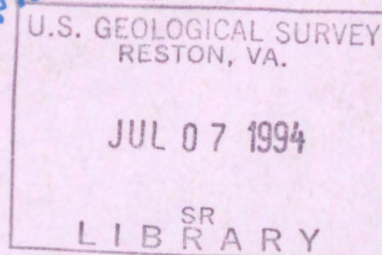
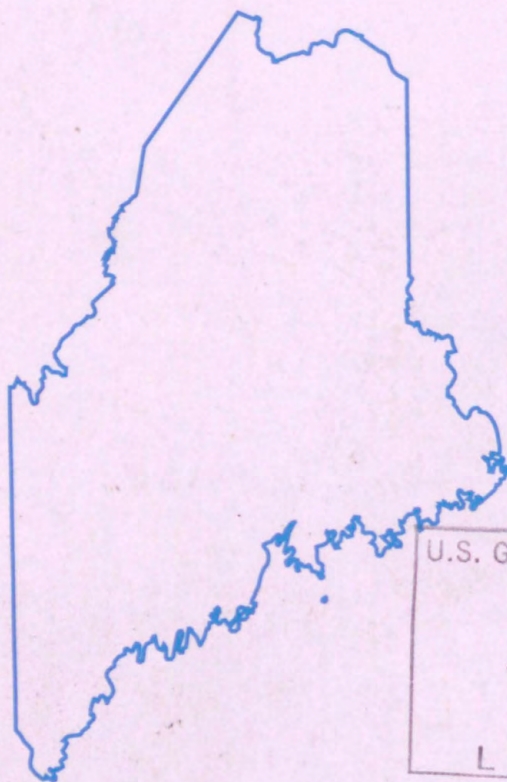


Water Resources Data Maine Water Year 1993



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-93-1
Prepared in cooperation with the State of Maine
and with other agencies

CALENDAR FOR WATER YEAR 1993

1992

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7			1	2	3	4	5
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
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25	26	27	28	29	30	31	29	30						27	28	29	30	31		

1993

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13
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17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28							28	29	30	31			
31																				
APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3							1			1	2	3	4	5
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25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												
JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

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.

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-94/282	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data - Maine, Water Year 1993			5. Report Date April 1994
			6.
7. Author(s) Joseph P. Nielsen, Wayne B. Higgins, Robert G. Lippert			8. Performing Organization Report No. USGS-WDR-ME-93-1
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 26 Ganneston Drive Augusta, Maine 04330			10. Project/Task/Work Unit No.
			11. Contract(C) or Grant (G) No. (C) (G)
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 26 Ganneston Drive Augusta, Maine 04330			13. Type of Report & Period Covered Annual-October 1, 1992 to September 30, 1993
			14.
15. Supplementary Notes Prepared in cooperation with the State of Maine and other agencies			
16. Abstract (Limit: 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 1993 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 47 gaging stations, stage records for 1 lake; month-end contents for 17 lakes and reservoirs; water-quality data for 12 gaging stations; water levels for 30 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.			
17. Document Analysis a. Descriptors *Maine, *Hydrologic Data, *Surface Water, *Ground Water, *Water Quality, Flow Rate, Gaging Stations, Lakes, Reservoirs, Chemical Analyses, Water Temperature, Sediments, Sampling Sites, Water Levels, Water Analyses. b. Identifiers/Open-Ended Terms c. COSATI Field Group			
18. Availability Statement No restriction on distribution. This report may be purchased from: National Technical Information Service Springfield, VA 22162		19. Security Class (This Report) Unclassified	21. No. of Pages 250
		20. Security Class (This Page) Unclassified	22. Price

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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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Station
number

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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

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

Station Name	Station Number	Drainage Area (mi ²)	Period of Record
St. John River Basin			
Shields Branch Big Black River near Seven Islands, ME (d)	01010100	161	1977-80
St. John River above Fish River at Fort Kent, ME (d)	01012500	4,790	1906-15
Clayton Stream at outlet of Clayton Lake, ME (d)	01012515	13.9	1982-84
Bald Mountain Brook near Bald Mountain, ME (d)	01012520	1.73	1981-84
Bishop Mountain Brook near Bishop Mountain, ME (d)	01013535	1.15	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	2,230	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	457	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	4.37	1964-77
Pleasant River near Milo, ME (d)	01033500	324	1920-79
Passadumkeag River at Lowell, ME (d)	01035000	299	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	178	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	872	1902-07 1910-79
Austin Stream at Bingham, ME (d)	01046000	90.3	1913-69
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	4,270	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	3.00	1979-80
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
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
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	21.6	1978-80
Mousam River near West Kennebunkport, ME (d)	01069500	99.0	1939-84
Piscataqua River Basin			
Salmon Falls River near South Lebanon, ME (d)	01072500	147	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	1960-72
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		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	1960-76
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				
Androscoggin River at Turner Bridge, ME	01055700	2,840	sc,wt	1981
Androscoggin River at Brunswick, ME	01059400	3,434	sc,wt	1981
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)
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)

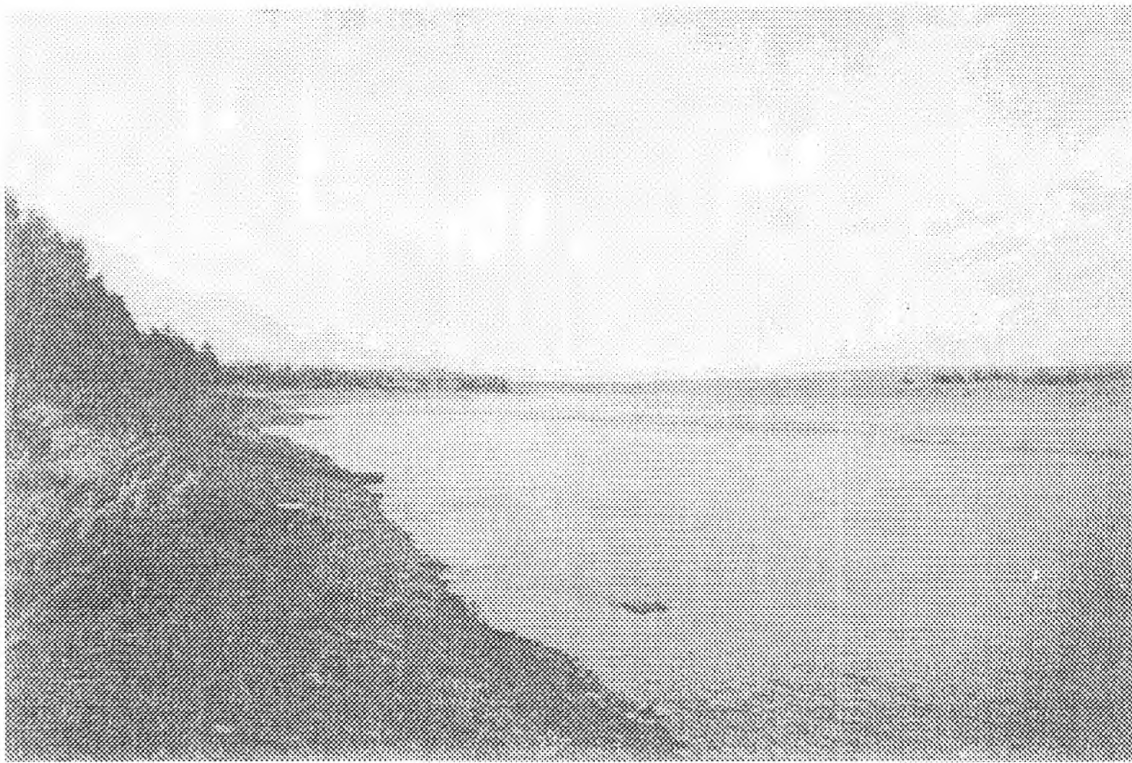
DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

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)
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



St. John River near Seven Islands,
May 1992

WATER RESOURCES DATA - MAINE 1993

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 47 gaging stations; stage records at 1 lake; month-end contents at 17 lakes and reservoirs; water quality data at 12 gaging stations; water levels at 30 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-93-1." 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:

*Maine Department of Conservation,
C. E. Meadows, Jr., Commissioner.*
*Maine Department of Environmental Protection,
D. C. Marriott, Commissioner*
*Maine Department of Inland Fisheries and Wildlife,
R. B. Owen, Jr., Commissioner*
*Maine Department of Transportation,
D. F. Conners, Commissioner*
*North Kennebec Regional Planning Commission,
E. Keene, Planning Director*
*Greater Portland Council of Governments,
J. D. Bubier, Executive Director*
*University of Maine,
P.D. Uttormark, Assistant Vice President*
*Northern Maine Regional Planning Commission,
R. Clark, Executive Director*
*Penobscot Indian Nation
J. Pordilla, Governor*

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

MAJOR RIVER BASINS

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

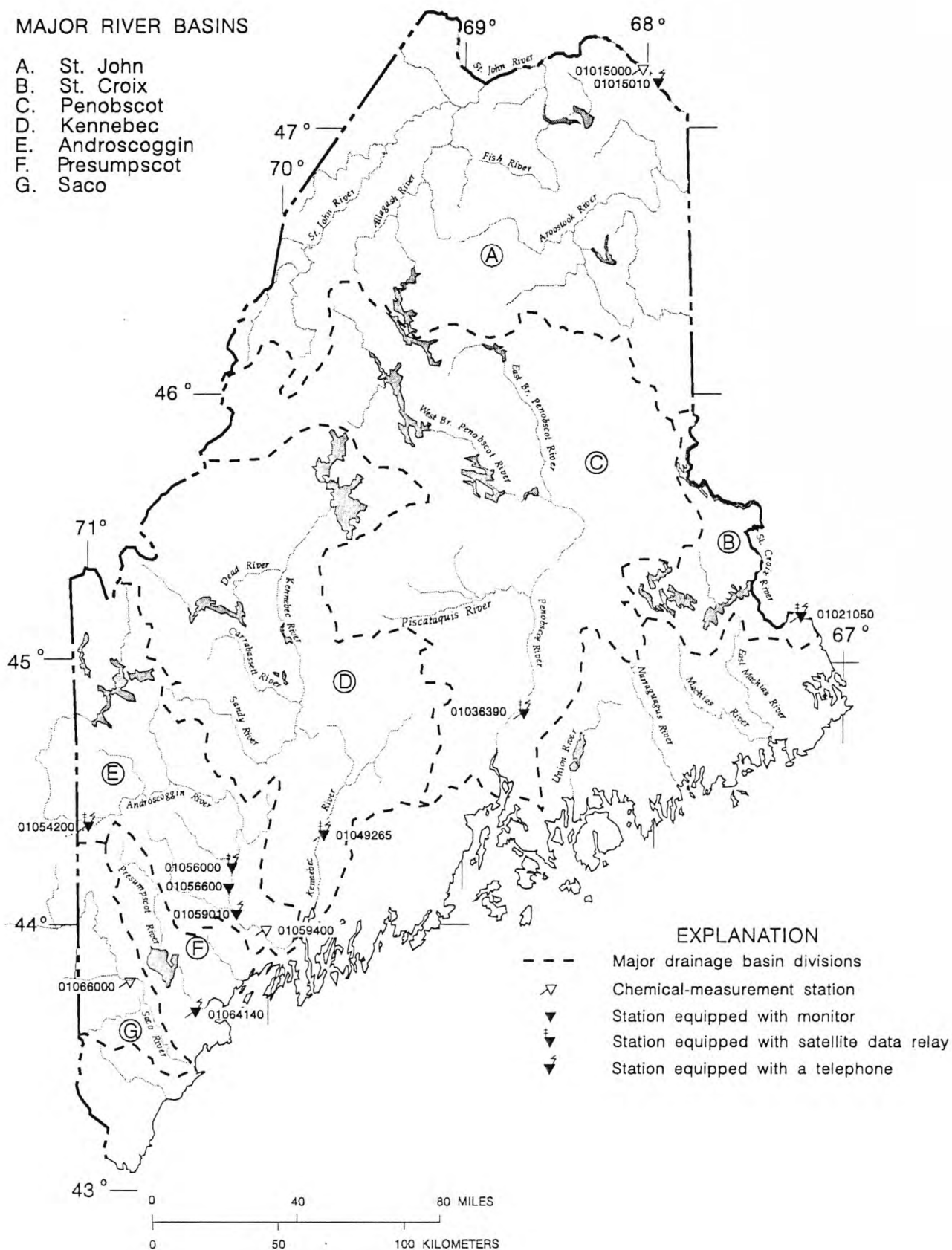


Figure 2.--Location of active surface-water quality data-collection stations.

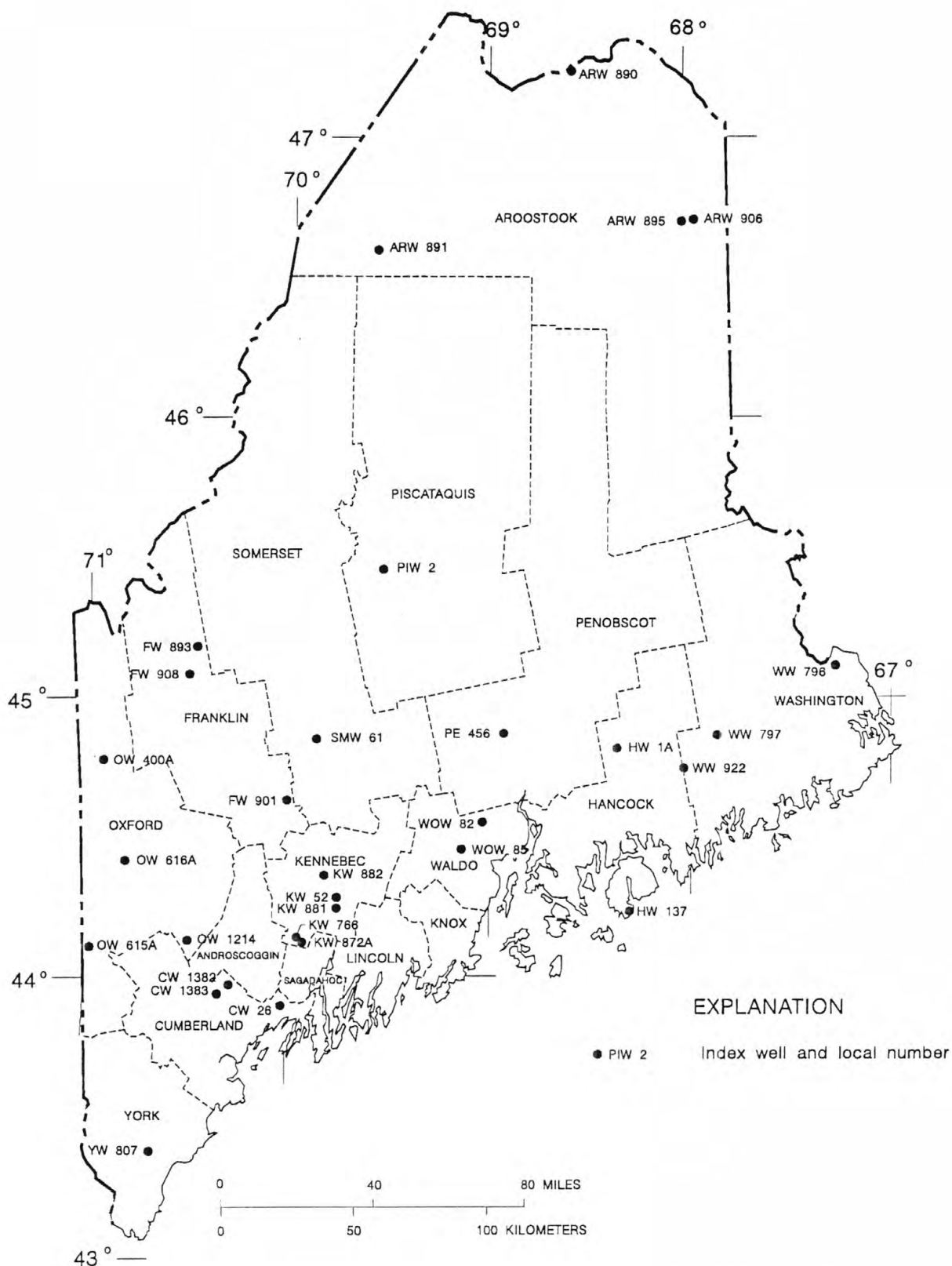


Figure 3.--Location of active ground-water data collection stations.

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
Great Northern Paper 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 1993 water year was characterized by flows in the lower normal to below-normal range following the normal flows in water year 1992 (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 28 of 45 sites and in the below-normal range at 17 sites. Annual peak flows had less than a 2-year recurrence interval at 7 sites, a 2-year to 5-year recurrence interval at 26 sites, a 5-year to 10-year recurrence interval at 9 sites, and a 10-year to 25-year recurrence interval at 3 sites. The greatest recurrence interval peak flows were associated with the spring freshet in eastern Maine. Minimum flows at 18 sites were at flows which have been equaled or exceeded 99 percent of the time and minimum flows at 26 sites were at flows which have been equaled or exceeded 90 to 98 percent of the time. The 1992 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 as follows:

October *normal*
November *normal*
December *below normal; normal in a small area of southern Maine*
January *below normal; normal in northern, eastern, and western Maine*
February *below normal*
March *below normal; normal in a small area of eastern Maine*

April *above normal; normal in northern Maine;*
May *below normal; normal in a small area of eastern Maine*
June *normal; above normal in northern Maine*
July *below normal; normal in northern Maine*
August *below normal; normal in northern and a small area of western Maine*
September *below normal; normal in northern and a small area of western Maine*

Usable surface-water storage in seven reservoir systems in Maine totaled 116,249 million ft³ (cubic feet) at the beginning of the water year; this volume is 64 percent of capacity and 106 percent of the long-term average storage at the beginning of water year. Usable storage decreased during October, increased during November, and then began a steady seasonal decline to the 1993 water-year minimum at the end of March, when storage was 54,463 million ft³ (30 percent of capacity, and 78 percent of the long-term average storage at the end of March). Usable storage increased during April, May and June to the 1993 maximum of 172,026 million ft³ (94 percent of capacity and 109 percent of the long-term average storage at the end of June). Usable storage then decreased during July, August, and September. Usable storage at the end of the water year was 114,351 million ft³ (63 percent of capacity and 104 percent of long-term end-of-water-year average storage).

Precipitation, as reported by the National Weather Service, ranged from 81 to 109 percent of normal at 11 sites providing statewide precipitation data. Table 1 summarizes annual precipitation data at the 11 selected sites during the 1993 water year.

Table 1. --Precipitation at selected locations in Maine for the 1993 water year

Station Location	Precipitation		Departure (inches)	Percentage of normal
	Actual Oct.-Sept. (inches)	Normal Oct.-Sept. (inches)		
Fort Kent	34.07	36.11	-2.04	94
Caribou	35.46	36.60	-1.14	97
Presque Isle	33.15	35.25	-2.10	94
Houlton	40.77	38.49	2.28	106
Brassau Dam	38.59	39.95	-1.36	97
Jackman	40.88	37.41	3.47	109
Woodland	37.13	44.87	-7.74	83
Eastport	33.48	43.37	-9.89	77
Middle Dam	36.43	35.85	0.58	102
Lewiston	36.63	45.30	-8.67	81
Portland	39.65	44.34	-4.69	89

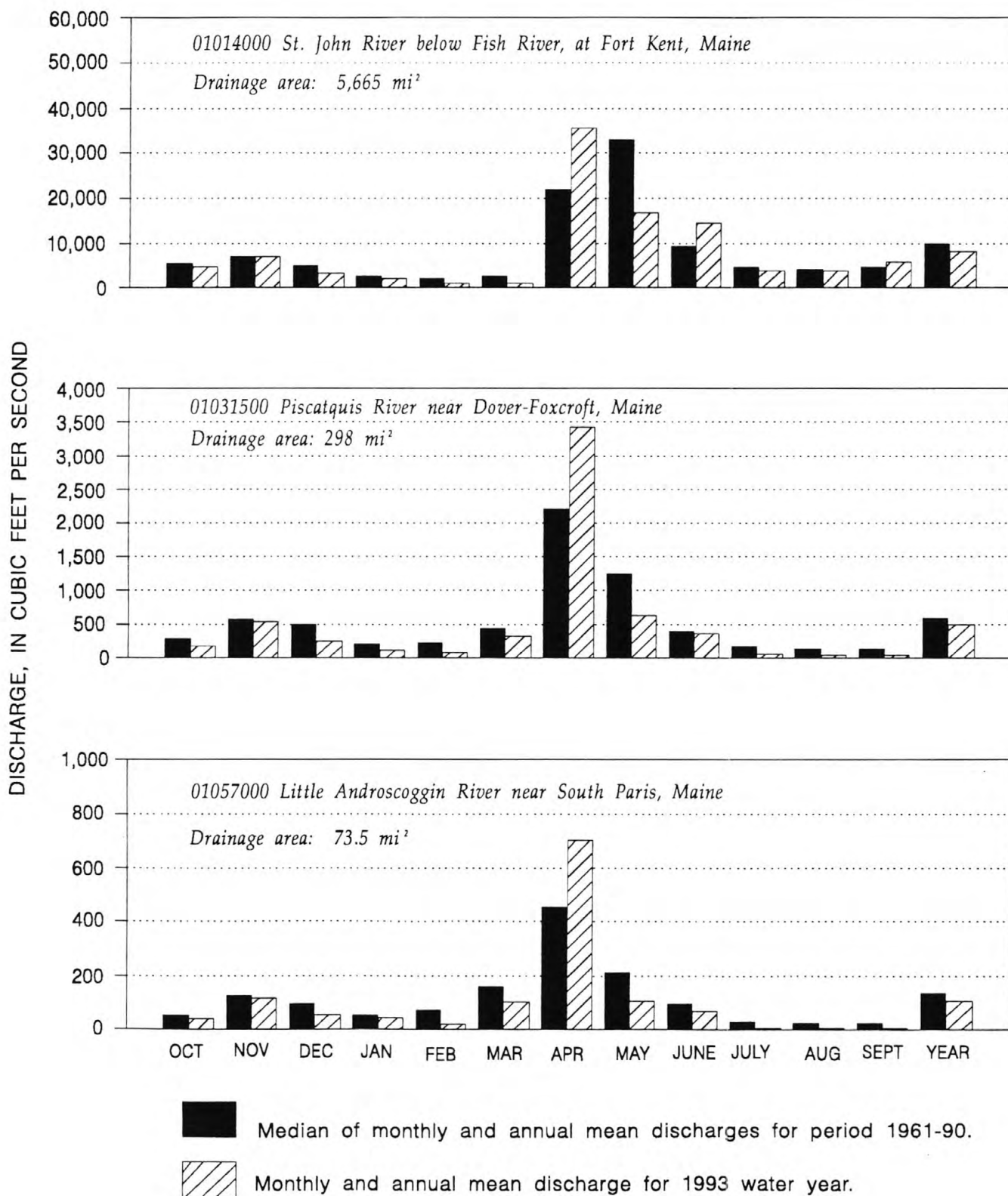


Figure 4.--Comparison of discharge at three long-term index gaging stations during 1993 water year with median discharge for period 1961-90.

Analyses of stream-water samples and associated discharge data from the seven National Stream Quality Accounting Network (NASQAN) stations and from the Hydrologic Bench-Mark (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.

Water-quality data from eight of the nine continuous-recording monitor stations, for specific conductance, water temperature, dissolved oxygen and pH were generally within the previous extreme values for the period of daily record for individual sites. The exception is the dissolved oxygen at Gulf Island Pond near Lewiston (station 01056000). This site had chronically low dissolved oxygen levels during summer months. During the fall of 1991 a coalition of paper and utility companies built an oxygen injection system 4.5 miles upstream from the monitor in an effort to raise the dissolved oxygen levels in Gulf Island Pond during the summer months. The oxygen injection is done from June to September. For the five summers previous to the oxygen injection, the mean dissolved oxygen level at Gulf Island Pond was 5.9 mg/L. For the same summer period since the oxygen injection system was established, the mean dissolved oxygen level has been 7.4 mg/L, a 25 percent increase.

The ground-water observation well network consisted of 30 wells during the 1993 water year. Monthly ground-water levels for Maine are summarized as follows:

October	<i>normal; below normal in western, coastal, and central Maine</i>
November	<i>normal; below normal in northern and central Maine</i>
December	<i>normal; below normal in northern, central and in areas of south-coastal Maine.</i>
January	<i>below normal; normal in southwestern, central-coastal and eastern areas of Maine</i>
February	<i>below normal; normal in western and eastern-coastal Maine</i>
March	<i>below normal; normal in southwestern and eastern-coastal Maine</i>
April	<i>normal; above normal in central-coastal and southern Maine; below normal in eastern Maine</i>
May	<i>normal; below normal in western and central-coastal Maine</i>
June	<i>normal; below normal in central and southern coastal Maine</i>
July	<i>below normal; normal in northeastern and eastern Maine</i>
August	<i>below normal;</i>
September	<i>below normal; normal in northeastern Maine</i>

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. Levels at the Clayton Lake well were record month-end lows in November, December, January, and February. Acadia Park had record month-end low water levels in January and May.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network 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.

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.

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 1993 water year that began October 1, 1992, and ended September 30, 1993. 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 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 5.)

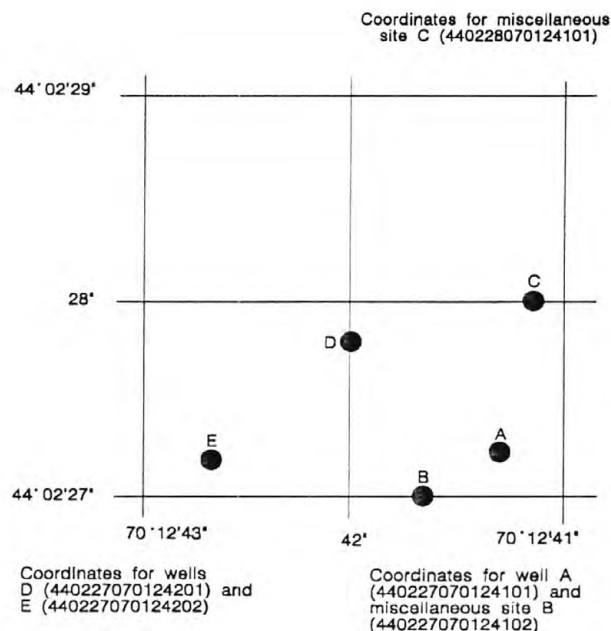


Figure 5.--System for numbering wells and miscellaneous sites (latitude and longitude).

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, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

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 non-contributing 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.

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.

Identifying Estimated Daily Discharge

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

ments; 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.

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 publications on "Techniques of Water-Resources Investigations," (TWRI) Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER- RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Maine District Office, Geological Survey.

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.

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 in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (μL) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's and 100's of nanograms per liter (ng/L). Present data above the mg/L level should be viewed with caution. Such data actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analyses. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey will begin using new trace-element protocols in water year 1994.

Data Presentation

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

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

LOCATION.—See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.—See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.—This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of daily record are given for the parameters individually.

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

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

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

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

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

Remark Codes

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

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

Records of Ground-Water Levels

Only water-level data from a national network of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the Nation's most important aquifers. Locations of the observation wells in this network in Maine are shown in figure 3.

Data Collection and Computation

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

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

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

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

Data Presentation

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

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given

in degrees, minutes, and seconds); the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

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

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

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

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

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers.

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

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

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

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

listed in the table. Missing records are indicated by dashes in place of the water level.

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

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that, for most sampling sites, they consist of only one or two sets of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes, one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration.

Data Collection and Computation

The records of ground-water quality in this report were obtained to describe the quality of water in aquifers where the network wells are located. Consequently, chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses

of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

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 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports are also available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, are reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District offices. (See address on the back of the title page). A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

DEFINITION OF TERMS

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

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

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

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

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

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on

KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

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

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

Cubic foot per second-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

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

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

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

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

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

Dissolved refers to that material in a representative water sample which passes through a 0.45 μm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the

mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

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

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

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

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

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

Hydrologic Bench-Mark Network (HBM) is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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

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

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

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

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

Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

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

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

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

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

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

Particle-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

<u>Classification</u>	<u>Size (mm)</u>	<u>Method of analysis</u>
Clay	0.00024 - 0.004	Sedimentation
Silt	.004 - .062	Sedimentation
Sand	.062 - 2.0	Sedimentation or sieve
Gravel	2.0 - 64.0	Sieve

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

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

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

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

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 occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

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

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

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

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

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

Solute is any substance that is dissolved in water.

Specific conductance (US/CM, $\mu\text{S}/\text{cm}$) is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

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

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered 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

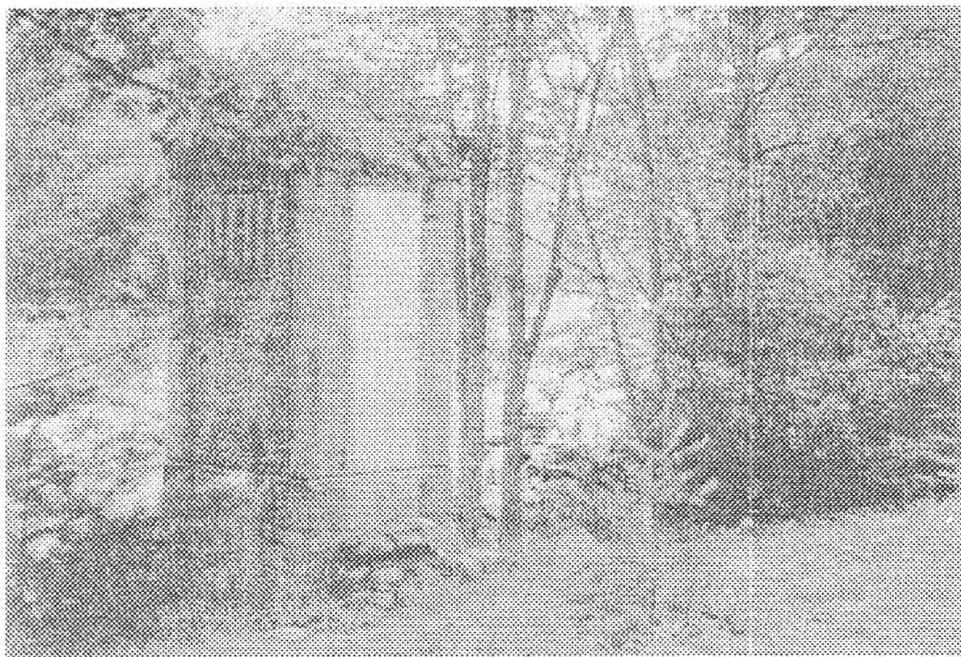
The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of 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, Books and Open-File Reports Section, Federal Center, Box 25425, 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. Ficken, 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. McCary: 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 measurements 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 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*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 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. Rathburn, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels of streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 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 programmed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
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- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
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- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
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Swift River near Roxbury,
August 1988

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 ($\mu\text{g/L}$) 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 $\mu\text{g/L}$ 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 will begin using new trace-element protocols in water year 1994.

ST. JOHN RIVER BASIN

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. 7-13, 15-22, Dec. 4 to Apr. 12 and Aug. 16-24. Records good, except for periods of ice effect, Nov. 7-13, 15-22 and Dec. 4 to Apr. 12, and period of no gage-height record, Aug. 16-24, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 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, 23,500 ft³/s, Apr. 13, gage height, 8.98; maximum gage height 9.92 ft, Apr. 12, (backwater from ice); minimum daily discharge, 117 ft³/s, Mar. 17.

**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	623	1630	2150	e229	e320	e151	e1220	5630	2410	2750	1380	1150
2	559	1400	1870	e228	e309	e149	e1340	5160	5930	2080	1170	1660
3	531	1180	1680	e227	e300	e146	e1350	4510	7620	1560	1210	1450
4	567	1110	e1490	e226	e287	e143	e1320	3890	5870	1260	1320	3630
5	563	1170	e1000	e295	e278	e141	e1200	3510	4150	1160	1060	5220
6	499	1580	e550	e410	e268	e138	e1140	3880	3060	953	759	3840
7	450	e1510	e490	e911	e259	e136	e1150	6110	2450	752	601	3460
8	411	e1250	e445	e1360	e249	e134	e1180	5370	2050	605	484	3680
9	382	e895	e415	e1460	e241	e132	e1320	4050	1710	504	422	2770
10	476	e628	e385	e1280	e237	e130	e4500	3180	1510	455	406	2400
11	2680	e657	e368	e1090	e229	e128	e11800	2860	1910	490	770	4010
12	2900	e796	e350	e976	e222	e126	e19900	3190	2600	431	1130	3860
13	2200	e1920	e335	e874	e218	e124	21900	5880	2200	360	1070	2900
14	1690	5200	e322	e786	e210	e121	18900	8080	1720	314	955	2190
15	1410	e4240	e310	e702	e204	e120	15900	6430	1330	293	698	1690
16	1180	e3030	e302	e627	e200	e118	14100	4850	1050	283	e540	1400
17	1010	e2220	e292	e564	e195	e117	15100	3960	873	270	e455	1240
18	1020	e1660	e290	e531	e191	e134	18800	3230	780	257	e560	1100
19	946	e1220	e328	e499	e185	e164	16000	2700	728	236	e720	944
20	852	e926	e342	e461	e181	e187	11900	2300	734	218	e820	817
21	787	e989	e321	e430	e178	e208	9660	2040	728	217	e660	702
22	775	e1360	e305	e406	e175	e211	11500	1870	1890	258	e560	612
23	851	2020	e310	e399	e171	e207	14200	1710	12400	286	e475	564
24	899	1840	e279	e408	e168	e200	15100	1660	14300	295	e400	574
25	1400	1610	e255	e430	e164	e193	13900	1660	11600	299	776	701
26	1780	1480	e244	e429	e161	e242	14900	2270	7380	280	2290	649
27	3270	1860	e240	e402	e158	e274	13400	2490	4420	260	2160	741
28	3870	3150	e238	e382	e155	e295	9990	2160	2850	244	1530	1680
29	3140	3040	e236	e369	---	e361	7430	1910	2280	267	1060	2840
30	2490	2540	e232	e346	---	e607	6270	2270	2160	367	775	2580
31	2020	---	e230	e335	---	e929	---	2590	---	1220	649	---
TOTAL	42233	54111	16604	18072	6113	6466	296370	111400	110693	19224	27865	61054
MEAN	1362	1804	536	583	218	209	9879	3594	3690	620	899	2035
MAX	3870	5200	2150	1460	320	929	21900	8080	14300	2750	2290	5220
MIN	382	628	230	226	155	117	1140	1660	728	217	400	564
CFSM	1.02	1.35	.40	.43	.16	.16	7.37	2.68	2.75	.46	.67	1.52
IN.	1.17	1.50	.46	.50	.17	.18	8.22	3.09	3.07	.53	.77	1.69

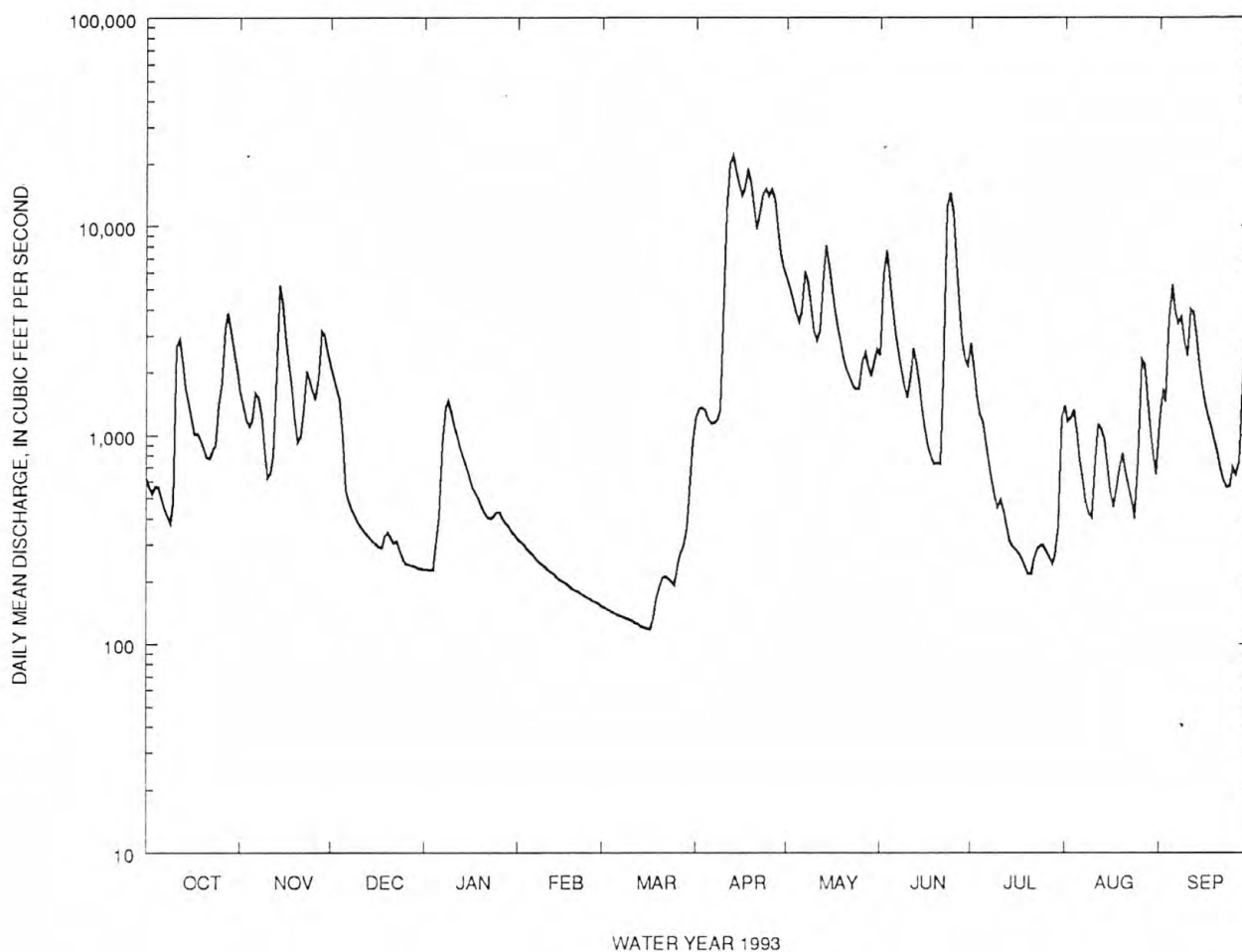
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1967	2182	1329	660	579	889	7102	7207	2090	1350	1395	1370
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1951 - 1993	
ANNUAL TOTAL	765590		770205			
ANNUAL MEAN	2092		2110		2347	
HIGHEST ANNUAL MEAN					3547	
LOWEST ANNUAL MEAN					1336	
HIGHEST DAILY MEAN	29900	Apr 24	21900	Apr 13	38600	May 1 1974
LOWEST DAILY MEAN	172	Mar 7	117	Mar 17	60	Sep 7 1987
ANNUAL SEVEN-DAY MINIMUM	191	Mar 2	122	Mar 11	66	Aug 30 1953
INSTANTANEOUS PEAK FLOW			23500	Apr 13	44400	May 1 1974
INSTANTANEOUS PEAK STAGE			9.92	Apr 12	23.00	Apr 11 1991
INSTANTANEOUS LOW FLOW					59	Sep 5 1953
ANNUAL RUNOFF (CFSM)	1.56		1.57		1.75	
ANNUAL RUNOFF (INCHES)	21.24		21.37		23.78	
10 PERCENT EXCEEDS	5200		4970		5890	
50 PERCENT EXCEEDS	884		895		970	
90 PERCENT EXCEEDS	259		206		255	



ST. JOHN RIVER BASIN

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. 9,10,18-22, and Dec. 4 to Apr. 12. Records good, except for periods of ice effect, Nov. 9,10,18-22, and Dec. 4 to Apr. 12, which are poor. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 12	-----	* ^a 4,260	* ^b 12.44	Apr. 26	1145	2,510	9.32
Apr. 18	0715	3,630	10.83				

Minimum daily discharge, 16 ft³/s, Mar. 11-16.

^a estimated daily discharge

^b ice jam

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	63	117	229	e28	e47	e19	e118	762	499	180	141	49
2	63	91	192	e27	e44	e19	e102	698	1340	124	109	58
3	70	91	171	e26	e42	e18	e91	588	1290	87	261	86
4	81	84	e125	e26	e40	e18	e74	505	798	83	419	276
5	80	111	e90	e47	e38	e18	e60	473	478	82	239	300
6	69	184	e76	e73	e36	e18	e51	562	326	66	124	186
7	61	189	e65	e120	e35	e17	e56	667	256	55	76	176
8	57	141	e57	e200	e34	e17	e155	529	207	46	57	210
9	54	e105	e52	e185	e32	e17	e400	411	168	38	48	149
10	286	e90	e48	e155	e31	e17	e800	336	217	34	53	294
11	624	102	e46	e138	e30	e16	e2100	359	416	31	242	901
12	444	111	e44	e122	e29	e16	e4260	498	378	28	419	831
13	277	470	e42	e109	e28	e16	3000	874	252	28	473	509
14	192	797	e41	e99	e27	e16	1740	810	171	27	407	284
15	151	619	e39	e90	e26	e16	1440	570	122	30	230	174
16	123	374	e38	e83	e26	e16	1470	442	100	33	123	120
17	109	244	e37	e77	e25	e17	2240	394	111	47	150	95
18	109	e186	e37	e70	e24	e20	3390	339	109	39	230	79
19	100	e128	e40	e65	e24	e20	1980	277	110	31	203	70
20	91	e121	e41	e61	e23	e18	1090	237	100	33	128	61
21	85	e134	e40	e56	e23	e17	1130	218	79	46	88	54
22	88	e210	e39	e52	e22	e17	1890	207	151	59	68	49
23	96	247	e37	e72	e22	e18	2010	209	1330	53	57	46
24	102	224	e37	e97	e21	e17	1660	187	1090	46	50	52
25	127	195	e35	e88	e21	e19	1800	210	573	39	84	64
26	167	189	e34	e75	e20	e30	2420	378	285	35	163	60
27	317	330	e30	e68	e20	e38	1860	354	176	32	117	78
28	362	556	e29	e62	e19	e49	1120	275	141	32	77	235
29	263	432	e29	e57	---	e68	862	276	180	37	60	378
30	188	304	e28	e53	---	e77	809	603	183	81	54	290
31	138	---	e28	e49	---	e103	---	546	---	194	47	---
TOTAL	5037	7176	1876	2530	809	802	40178	13794	11636	1776	4997	6214
MEAN	162	239	60.5	81.6	28.9	25.9	1339	445	388	57.3	161	207
MAX	624	797	229	200	47	103	4260	874	1340	194	473	901
MIN	54	84	28	26	19	16	51	187	79	27	47	46
CFSM	.95	1.40	.35	.48	.17	.15	7.83	2.60	2.27	.34	.94	1.21
IN.	1.10	1.56	.41	.55	.18	.17	8.74	3.00	2.53	.39	1.09	1.35

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	290	329	202	93.5	74.2	211	1265	619	230	209	168	126
MAX	710	612	708	265	147	852	1807	1342	388	691	551	364
(WY)	1991	1989	1991	1991	1986	1990	1991	1984	1984	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

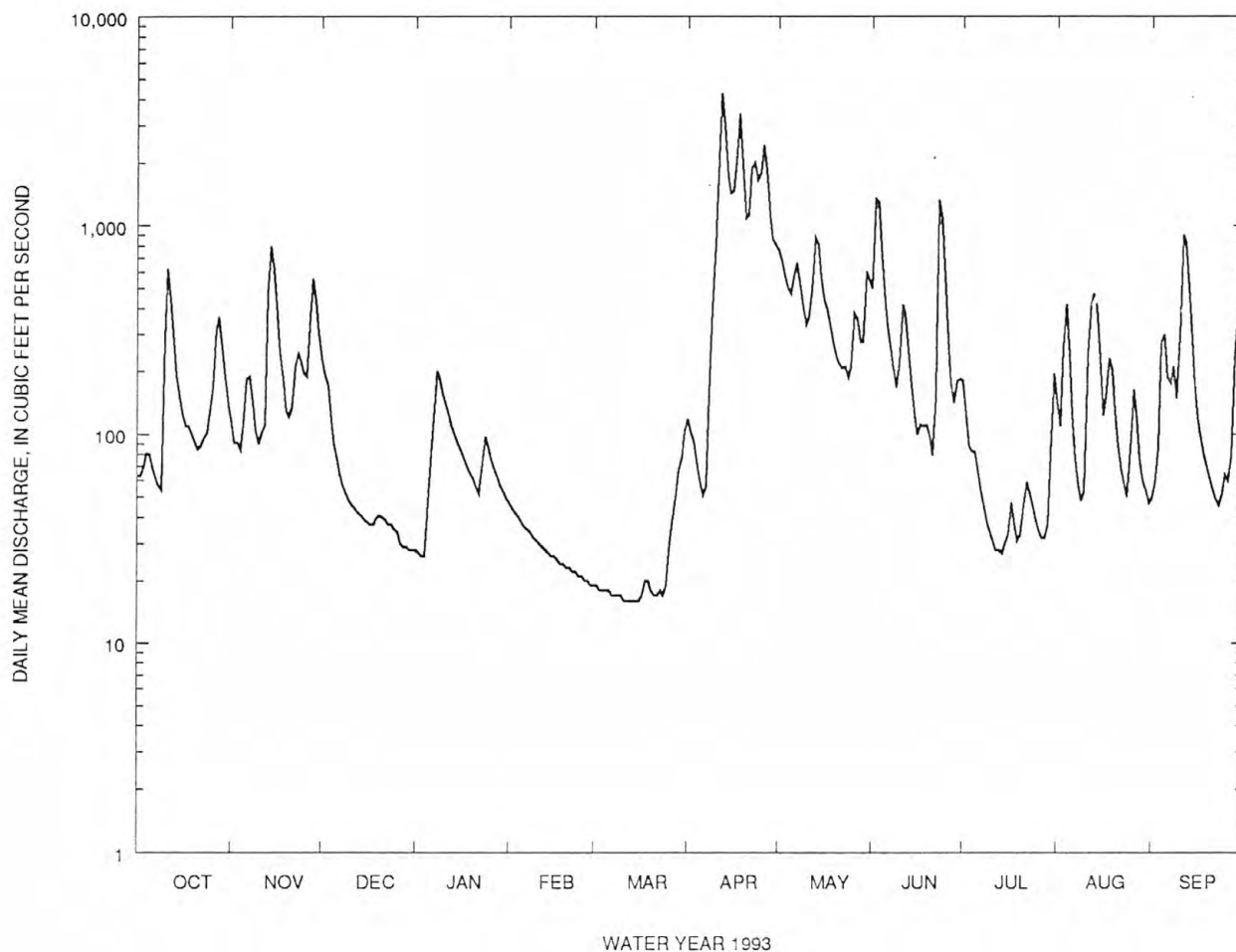
SUMMARY STATISTICS

FOR 1992 CALENDAR YEAR

FOR 1993 WATER YEAR

WATER YEARS 1984 - 1993

ANNUAL TOTAL	116356	96825	
ANNUAL MEAN	318	265	318
HIGHEST ANNUAL MEAN			438
LOWEST ANNUAL MEAN			157
HIGHEST DAILY MEAN	5220	Apr 23	4260
LOWEST DAILY MEAN	20	Mar 5	16
ANNUAL SEVEN-DAY MINIMUM	24	Mar 2	16
INSTANTANEOUS PEAK FLOW			7420
INSTANTANEOUS PEAK STAGE			15.62
ANNUAL RUNOFF (CFSM)	1.86	1.55	1.86
ANNUAL RUNOFF (INCHES)	25.31	21.06	25.27
10 PERCENT EXCEEDS	766	609	823
50 PERCENT EXCEEDS	129	91	120
90 PERCENT EXCEEDS	39	25	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: Jul.-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, revised, 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. 8-12, 18-21, and Dec. 5 to Apr. 12. Records good except for periods of ice effect, Nov. 8-12, 18-21, and Dec. 5 to Apr. 12, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 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. 13	0215	*57,100	*15.38	Apr. 24	0400	34,900	12.37
Apr. 18	2100	40,500	13.20				

Minimum daily discharge, 241 ft³/s, Mar. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	2990	3960	e460	e660	e304	e2270	12000	5980	3620	2120	1220
2	1160	2570	3400	e455	e630	e297	e2600	11100	9340	3830	2340	1460
3	1100	2260	3030	e450	e605	e292	e2670	9780	15900	2970	2390	2290
4	1090	2090	2700	e450	e585	e286	e2580	8340	12800	2390	4010	2680
5	1080	2070	e2020	e595	e565	e283	e2380	7540	8920	2070	3930	6670
6	1110	2400	e1260	e1100	e545	e276	e2270	7660	6600	1910	2900	6800
7	1020	2890	e882	e1950	e525	e272	e2280	10400	5340	1690	2110	5840
8	935	e2130	e825	e2550	e505	e271	e2400	10800	4570	1450	1590	5820
9	852	e1600	e785	e3050	e485	e268	e2900	8390	3880	1230	1300	5520
10	1020	e1190	e745	e2680	e475	e263	e8000	6720	3610	1110	1200	4750
11	2420	e1140	e710	e2400	e460	e254	e17400	5870	4410	999	1230	6950
12	5110	e1160	e680	e2180	e440	e252	e44500	6140	5460	938	2260	9130
13	4450	2330	e650	e1900	e430	e250	51600	7940	5170	945	3350	7360
14	3370	6680	e630	e1660	e425	e249	39800	13500	4130	831	3220	6050
15	2670	8460	e610	e1470	e415	e247	31000	12000	3280	762	2750	4590
16	2240	6360	e595	e1300	e400	e242	26300	9020	2710	724	2030	3470
17	1960	4840	e585	e1190	e390	e241	26600	7280	2510	689	1580	2840
18	1750	e3170	e575	e1100	e380	e278	36600	6270	2280	652	1990	2490
19	1670	e2320	e640	e980	e370	e330	35400	5410	2070	615	2630	2180
20	1610	e1530	e690	e900	e365	e368	24600	4730	1920	596	2730	1890
21	1500	e1330	e650	e883	e355	e400	18400	4240	1780	646	2030	1660
22	1510	2290	e615	e785	e347	e420	22500	3920	1790	694	1640	1450
23	1650	3190	e610	e820	e342	e415	28800	3620	9410	695	1280	1280
24	1880	3400	e560	e855	e333	e395	32800	3340	22200	750	1080	1230
25	2290	3120	e520	e885	e328	e385	27400	3280	18000	734	1280	1300
26	2900	2810	e490	e890	e322	e480	28100	4540	12100	682	1950	1430
27	3990	2850	e485	e860	e314	e555	27700	5630	7560	625	4250	1500
28	5940	4040	e480	e810	e308	e590	21000	5120	5230	584	3590	1910
29	5680	5300	e475	e770	---	e700	15600	4520	4110	600	2590	4170
30	4590	4740	e470	e730	---	e1300	13200	5830	3640	816	1890	5580
31	3660	---	e465	e690	---	e1760	---	6560	---	1060	1410	---
TOTAL	73477	93250	31792	37798	12304	12923	599650	221490	196700	37907	70650	111510
MEAN	2370	3108	1026	1219	439	417	19990	7145	6557	1223	2279	3717
MAX	5940	8460	3960	3050	660	1760	51600	13500	22200	3830	4250	9130
MIN	852	1140	465	450	308	241	2270	3280	1780	584	1080	1220
CFSM	.88	1.16	.38	.45	.16	.16	7.46	2.67	2.45	.46	.85	1.39
IN.	1.02	1.29	.44	.52	.17	.18	8.32	3.07	2.73	.53	.98	1.55

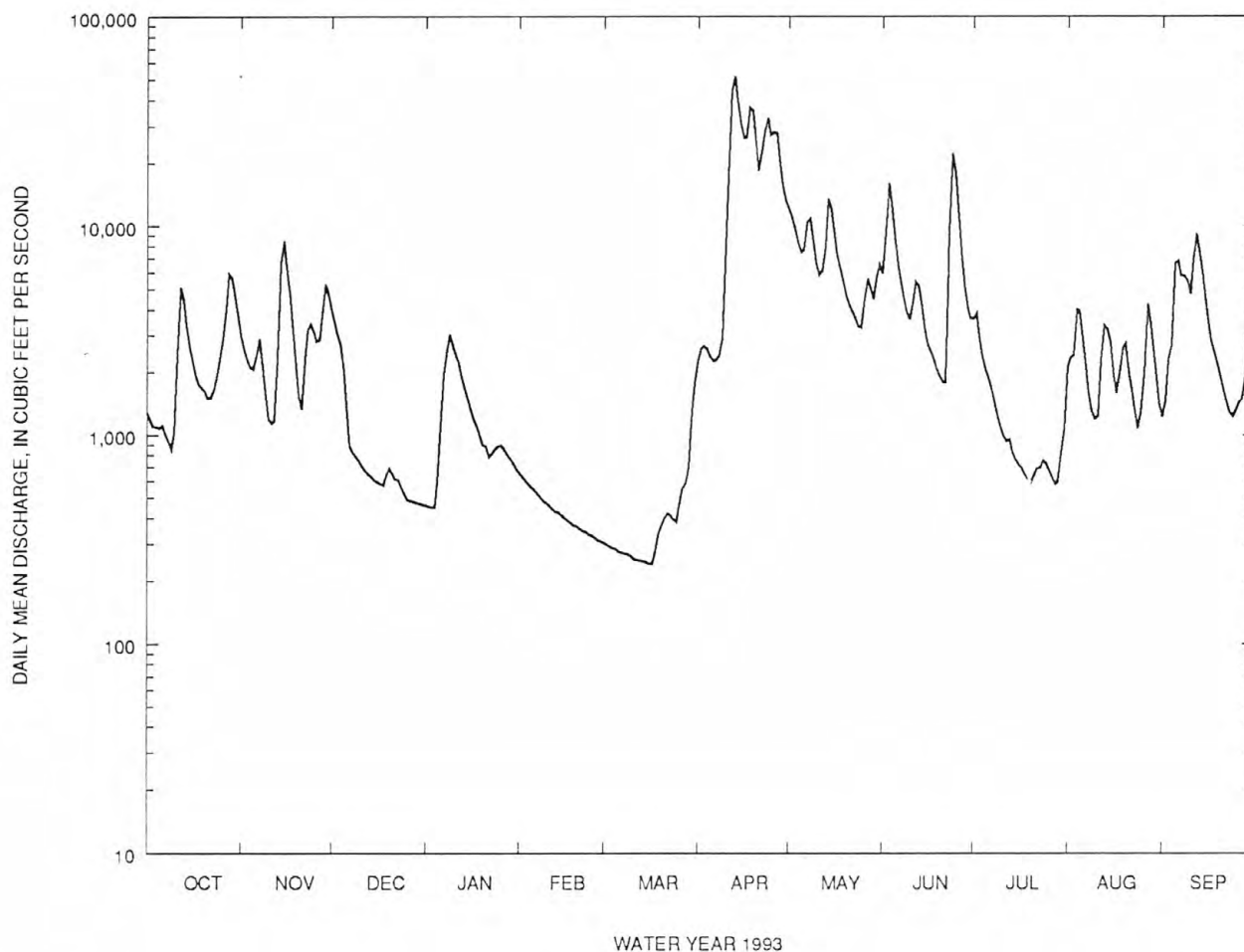
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01010500 ST. JOHN RIVER AT DICKEY, ME--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3662	4067	2609	1312	1103	1628	14130	15890	4494	2780	2705	2565
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1946 - 1993	
ANNUAL TOTAL	1573379		1499451			
ANNUAL MEAN	4299		4108		4755	
HIGHEST ANNUAL MEAN					7193	
LOWEST ANNUAL MEAN					2844	
HIGHEST DAILY MEAN	64900		51600		86800	
LOWEST DAILY MEAN	465		241		135	
	Apr 24		Apr 13		Apr 29 1979	
	Dec 31		Mar 17		Sep 15 1948	
ANNUAL SEVEN-DAY MINIMUM	484		248		142	
INSTANTANEOUS PEAK FLOW	57100		Apr 13		91700	
INSTANTANEOUS PEAK STAGE	15.38		Apr 13		37.89	
INSTANTANEOUS LOW FLOW					129	
					Sep 17 1948	
ANNUAL RUNOFF (CFSM)	1.60		1.53		1.77	
ANNUAL RUNOFF (INCHES)	21.84		20.81		24.11	
10 PERCENT EXCEEDS	9900		8960		11800	
50 PERCENT EXCEEDS	2030		1910		2010	
90 PERCENT EXCEEDS	610		409		550	



ST. JOHN RIVER BASIN

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: Dec. 5 to Apr. 12. Records good except for period of ice effect, Dec. 5 to Apr. 12, which is 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, 17,800 ft³/s, Apr. 12, gage-height, 9.85 ft; minimum daily discharge, 232 ft³/s, Mar. 20.

**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	580	1450	1280	e483	e382	e264	e525	5970	3560	3530	1380	565
2	549	1310	1220	e482	e372	e262	e745	5470	5050	3180	1200	676
3	549	1230	1180	e487	e362	e260	e950	4590	5220	2790	1040	662
4	543	1200	1130	e490	e352	e257	e1100	3980	4540	2540	935	986
5	534	1230	e934	e600	e343	e252	e1180	3610	4010	2330	874	1460
6	528	1320	e843	e700	e333	e250	e1260	4130	3570	2150	822	1370
7	518	1290	e766	e725	e325	e247	e1340	5110	3230	2000	745	1420
8	506	1170	e677	e705	e318	e245	e1410	4350	2970	1860	687	1540
9	485	1070	e655	e660	e310	e241	e1600	3800	2730	1620	644	1420
10	657	995	e645	e630	e300	e240	e2000	3300	2780	1440	618	1400
11	1180	976	e625	e585	e297	e238	e4300	3060	4750	1390	629	1790
12	1110	961	e600	e560	e293	e235	e13400	3150	4510	1310	614	1920
13	1050	1220	e585	e545	e297	e236	15000	3580	3370	1300	593	1750
14	971	1950	e570	e535	e299	e239	12200	4000	2910	1250	565	1570
15	869	1830	e555	e520	e300	e240	10100	3650	2650	1150	525	1450
16	786	1690	e550	e510	e301	e241	8910	3300	2330	1080	502	1340
17	747	1490	e560	e500	e296	e239	8640	3040	2150	1030	531	1210
18	720	1370	e580	e490	e293	e236	9310	2820	2000	923	640	1130
19	671	1150	e600	e480	e290	e233	8370	2620	1880	826	669	1080
20	630	1020	e590	e475	e286	e232	7060	2480	1700	783	670	1020
21	614	1060	e585	e465	e282	e234	6460	2490	1530	802	640	966
22	702	1150	e575	e455	e280	e236	7840	2520	1580	787	592	918
23	837	1160	e565	e450	e279	e238	10300	2390	5200	743	555	886
24	868	1110	e550	e447	e276	e240	12300	2270	6560	722	532	872
25	961	1080	e540	e440	e273	e242	10800	2250	5190	684	654	833
26	1340	1090	e530	e430	e270	e247	10400	2560	4090	640	962	800
27	2240	1240	e520	e420	e268	e251	9170	2420	3370	617	825	812
28	2520	1440	e510	e415	e266	e260	7960	2170	3100	618	718	1140
29	2200	1400	e505	e405	---	e284	7100	2210	3080	645	643	1600
30	1900	1330	e495	e400	---	e330	6460	3480	3030	795	575	1400
31	1650	---	e490	e390	---	e425	---	3630	---	1090	529	---
TOTAL	30015	37982	21010	15879	8543	7874	198190	104400	102640	42625	22108	35986
MEAN	968	1266	678	512	305	254	6606	3368	3421	1375	713	1200
MAX	2520	1950	1280	725	382	425	15000	5970	6560	3530	1380	1920
MIN	485	961	490	390	266	232	525	2170	1530	617	502	565
CFSM	.79	1.03	.55	.42	.25	.21	5.38	2.74	2.78	1.12	.58	.98
IN.	.91	1.15	.64	.48	.26	.24	6.00	3.16	3.11	1.29	.67	1.09

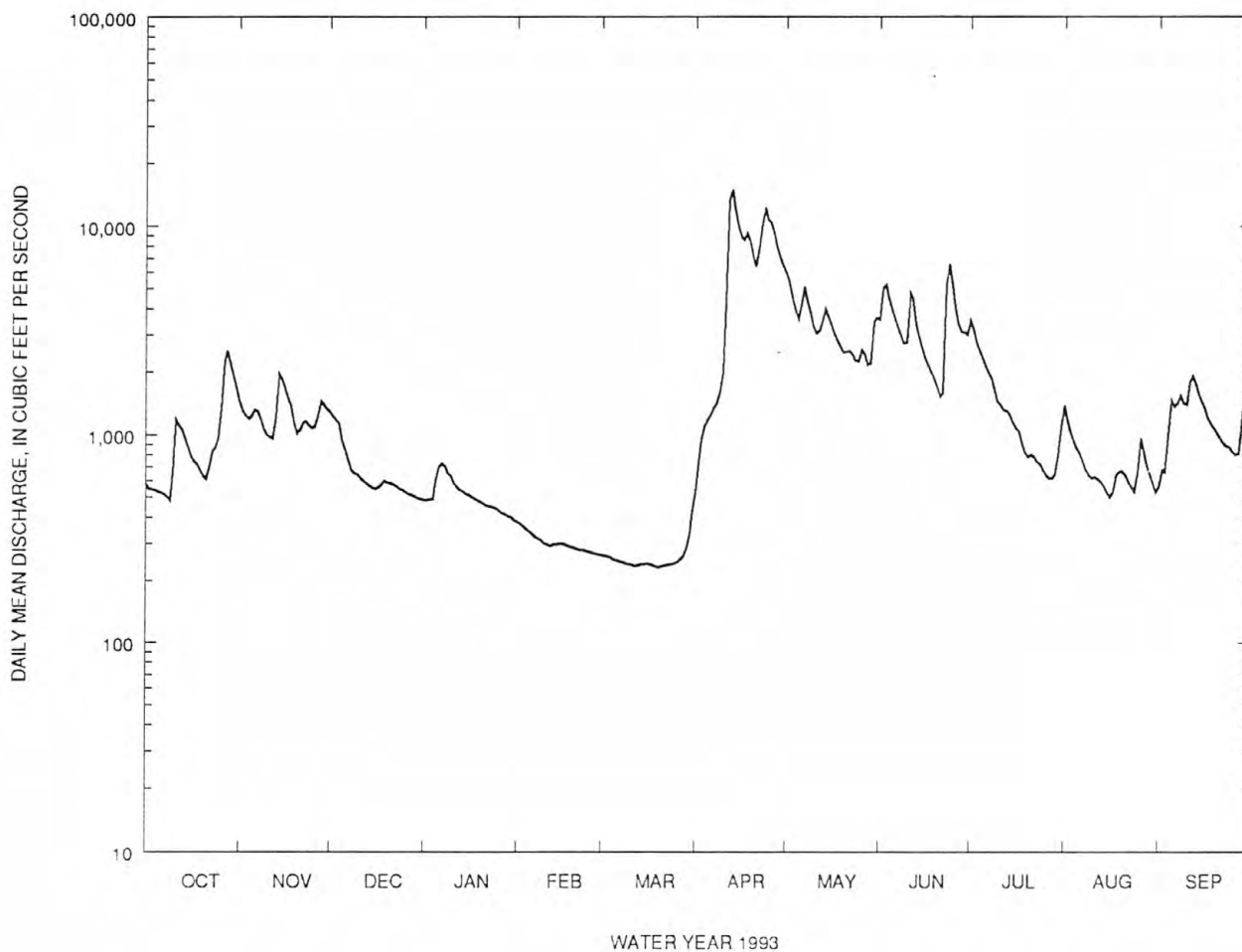
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01011000 ALLAGASH RIVER NEAR ALLAGASH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1325	1564	1168	697	568	735	4584	6585	2269	1415	1163	1085
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1931 - 1993	
ANNUAL TOTAL	671341		627252			
ANNUAL MEAN	1834		1718		1935	
HIGHEST ANNUAL MEAN					2899	
LOWEST ANNUAL MEAN					989	
HIGHEST DAILY MEAN	17900	Apr 24	15000	Apr 13	32100	Apr 18 1983
LOWEST DAILY MEAN	430	Mar 6	232	Mar 20	91	Mar 9 1948
ANNUAL SEVEN-DAY MINIMUM	483	Mar 1	235	Mar 17	91	Mar 9 1948
INSTANTANEOUS PEAK FLOW			17800	Apr 12	36900	Apr 18 1983
INSTANTANEOUS PEAK STAGE			9.85	Apr 12	19.78	Apr 10 1991
INSTANTANEOUS LOW FLOW					87	Sep 11 1960
ANNUAL RUNOFF (CFSM)	1.49		1.40		1.57	
ANNUAL RUNOFF (INCHES)	20.32		18.99		21.40	
10 PERCENT EXCEEDS	3280		4000		4700	
50 PERCENT EXCEEDS	1200		874		970	
90 PERCENT EXCEEDS	571		283		315	



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

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

DRAINAGE AREA.--524 mi².

PERIOD OF RECORD.--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. 1-13, Jan. 29 to Feb. 10 and Feb. 14 to Mar. 17. Records good, except for period of ice effect, Feb. 14 to Mar. 15, and periods of missing gage-height record, Jan. 1-13, Jan. 29 to Feb. 10, and Mar. 13-17, 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, 60 ft³/s, Oct. 11, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,330 ft³/s, Apr. 14, gage height, 9.85 ft; minimum daily, 109 ft³/s, Mar. 13.

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	280	770	742	e303	e162	e118	252	3260	1480	536	272	282
2	262	727	731	e295	e159	e117	349	3140	1700	508	287	271
3	261	675	710	e288	e155	e117	438	3000	2050	479	316	276
4	249	639	685	e281	e152	e116	508	2840	2260	456	411	297
5	236	618	650	e274	e148	e115	548	2660	2190	429	563	357
6	230	618	618	e267	e145	e114	572	2530	1980	405	636	456
7	228	625	576	e260	e141	e114	596	2490	1780	392	627	528
8	221	646	547	e254	e138	e113	631	2470	1600	371	574	538
9	211	650	516	e247	e134	e112	700	2360	1440	353	526	525
10	234	625	480	e242	e132	e112	833	2170	1330	339	485	536
11	250	604	456	e237	131	e111	1300	1970	1230	322	451	595
12	289	590	438	e231	132	e111	2840	1810	1140	297	428	677
13	334	600	420	e227	134	e109	5070	1740	1050	293	412	765
14	364	675	406	226	e131	e113	6240	1720	947	281	426	807
15	378	848	396	221	e131	e117	5950	1730	874	271	438	783
16	381	1010	381	216	e129	e117	5290	1680	809	257	438	723
17	385	1060	381	213	e128	e114	4780	1590	741	242	437	650
18	371	1020	385	208	e127	114	4730	1490	698	227	436	603
19	357	943	374	202	e126	113	5050	1370	658	218	422	557
20	348	862	371	197	e125	111	5080	1280	619	206	409	509
21	343	788	374	199	e124	111	4700	1200	579	213	406	472
22	347	749	364	196	e123	111	4390	1140	570	212	390	438
23	347	720	357	192	e122	112	4520	1080	587	209	376	414
24	364	703	351	187	e121	110	4810	1030	597	203	371	397
25	388	689	338	193	e121	109	4820	997	628	198	390	367
26	445	678	332	189	e120	109	4610	1020	641	191	374	354
27	526	671	322	181	e119	112	4350	1090	638	186	363	352
28	629	678	322	180	e119	117	4080	1140	622	181	352	361
29	745	710	312	e177	---	127	3740	1190	605	183	337	356
30	805	738	306	e172	---	148	3440	1280	573	220	316	360
31	802	---	304	e167	---	185	---	1380	---	244	299	---
TOTAL	11610	21929	13945	6922	3729	3629	95217	55847	32616	9122	12968	14606
MEAN	375	731	450	223	133	117	3174	1802	1087	294	418	487
MAX	805	1060	742	303	162	185	6240	3260	2260	536	636	807
MIN	211	590	304	167	119	109	252	997	570	181	272	271
CFSM	.71	1.39	.86	.43	.25	.22	6.06	3.44	2.07	.56	.80	.93
IN.	.82	1.56	.99	.49	.26	.26	6.76	3.96	2.32	.65	.92	1.04

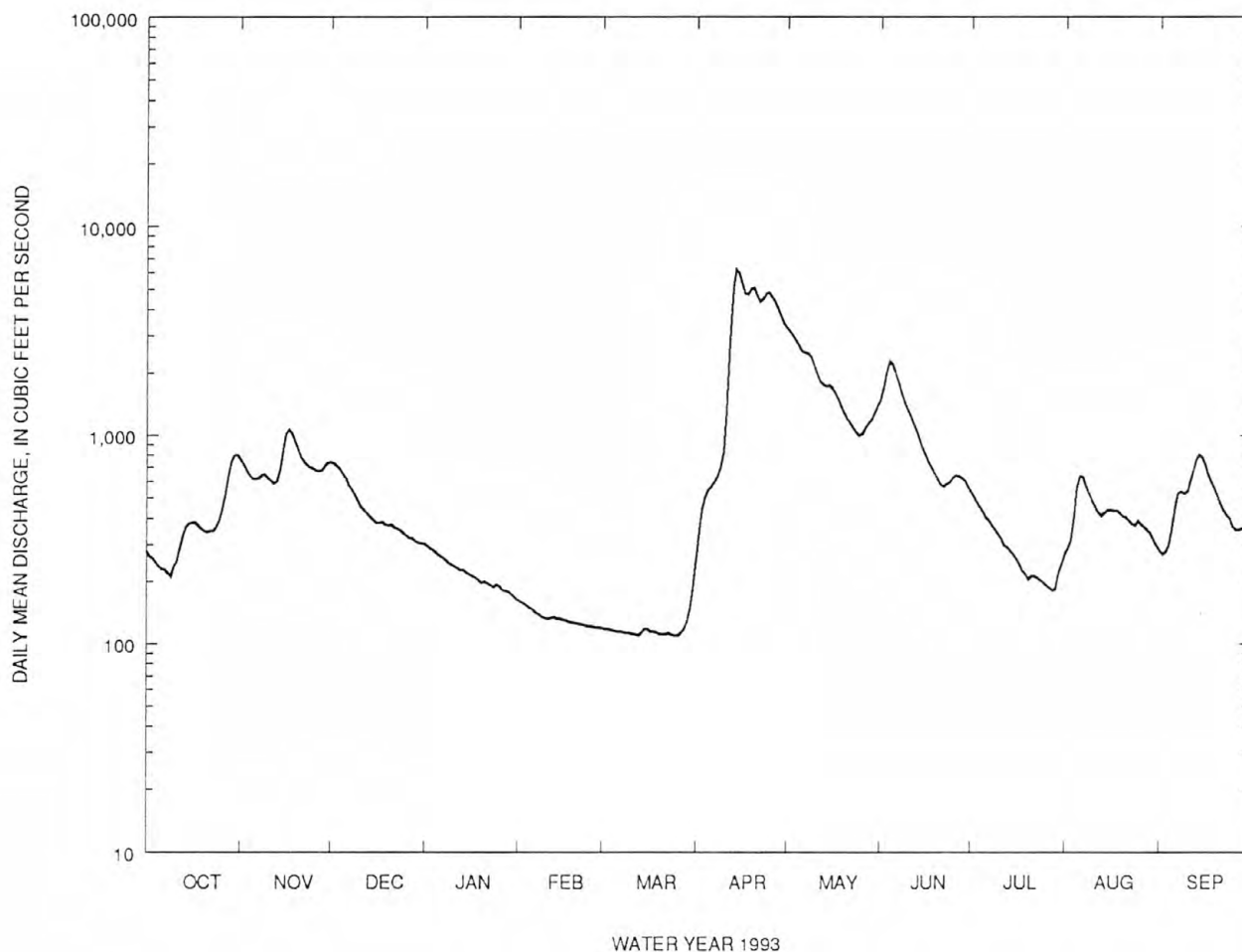
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01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR CONNORS, NEW BRUNSWICK--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	564	708	522	315	269	302	2148	3416	975	519	471	411
MAX	1650	1889	1393	839	1072	1116	4554	6360	1688	1730	2055	1222
(WY)	1955	1964	1958	1958	1981	1981	1983	1974	1952	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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1952 - 1993	
ANNUAL TOTAL	375628		282140		888	
ANNUAL MEAN	1026		773		1285	
HIGHEST ANNUAL MEAN					485	
LOWEST ANNUAL MEAN					1958	
HIGHEST DAILY MEAN	7170		Apr 25		14500	
LOWEST DAILY MEAN	190		Mar 10		60	
ANNUAL SEVEN-DAY MINIMUM	198		Mar 5		65	
INSTANTANEOUS PEAK FLOW			6330		Apr 14	
INSTANTANEOUS PEAK STAGE			9.85		Apr 14	
ANNUAL RUNOFF (CFSM)	1.96		1.48		1.69	
ANNUAL RUNOFF (INCHES)	26.67		20.03		23.02	
10 PERCENT EXCEEDS	2530		1760		2110	
50 PERCENT EXCEEDS	580		396		427	
90 PERCENT EXCEEDS	262		125		149	



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. 8-12 and Dec. 21 to Apr. 11. Records good except for period of ice effect, Dec. 8-12 and Dec. 21 to Apr. 11, which is fair. 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, 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, 7,480 ft³/s, Apr. 24, gage height, 8.15 ft; minimum daily discharge, 225 ft³/s, Mar. 24.

**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	372	1020	927	e428	e311	e249	e475	5480	2840	1310	402	336
2	363	1020	918	e423	e307	e248	e565	5140	3460	1250	397	317
3	358	1030	906	e420	e302	e247	e605	4850	3650	1200	389	330
4	346	1040	895	e415	e295	e246	e630	4530	3730	1120	372	368
5	332	1070	862	e410	e289	e245	e645	4270	3710	1070	371	366
6	320	1070	818	e405	e282	e245	e640	4190	3600	1020	351	358
7	312	1060	796	e402	e275	e244	e635	4150	3450	970	337	403
8	306	1030	e757	e400	e270	e243	e650	4020	3300	917	331	412
9	301	1010	e743	e430	e263	e241	e774	3830	3140	866	320	413
10	375	977	e708	e455	e255	e241	e1090	3640	3130	823	311	442
11	382	978	e675	e460	e256	e240	e2080	3470	3430	758	308	507
12	363	961	e669	e445	e259	e238	3670	3340	3380	729	301	524
13	358	1090	652	e430	e261	e236	4780	3380	3300	724	290	531
14	346	1120	641	e423	e264	e252	5620	3360	3160	686	272	532
15	336	1110	631	e410	e268	e272	5940	3280	3010	665	261	529
16	330	1100	625	e403	e267	e267	6110	3190	2800	632	253	509
17	333	1100	617	e393	e266	e255	6200	3070	2600	594	272	498
18	323	1070	620	e382	e265	e246	6460	2910	2420	561	431	485
19	312	1040	614	e378	e263	e240	6410	2760	2280	540	483	457
20	304	1010	608	e379	e262	e234	6170	2610	2130	525	482	429
21	308	997	e579	e380	e261	e231	6040	2510	2010	505	458	410
22	336	999	e565	e373	e260	e228	6110	2390	1920	478	445	389
23	342	976	e552	e365	e259	e226	6880	2290	1870	472	429	382
24	364	960	e538	e360	e258	e225	7430	2190	1820	458	414	373
25	389	948	e500	e360	e256	e226	7360	2140	1760	437	453	357
26	607	937	e492	e357	e253	e227	7200	2120	1670	421	430	342
27	845	967	e476	e345	e252	e240	6850	2050	1590	412	412	367
28	890	964	e468	e341	e250	e257	6490	2000	1520	394	402	505
29	944	951	e461	e335	---	e285	6140	2040	1490	384	368	514
30	987	937	e453	e330	---	e340	5790	2430	1390	419	346	501
31	1010	---	e439	e320	---	e425	---	2560	---	409	339	---
TOTAL	13794	30542	20205	12157	7529	7839	126439	100190	79560	21749	11430	12886
MEAN	445	1018	652	392	269	253	4215	3232	2652	702	369	430
MAX	1010	1120	927	460	311	425	7430	5480	3730	1310	483	532
MIN	301	937	439	320	250	225	475	2000	1390	384	253	317
CFSM	.51	1.17	.75	.45	.31	.29	4.83	3.70	3.04	.80	.42	.49
IN.	.59	1.30	.86	.52	.32	.33	5.39	4.27	3.39	.93	.49	.55

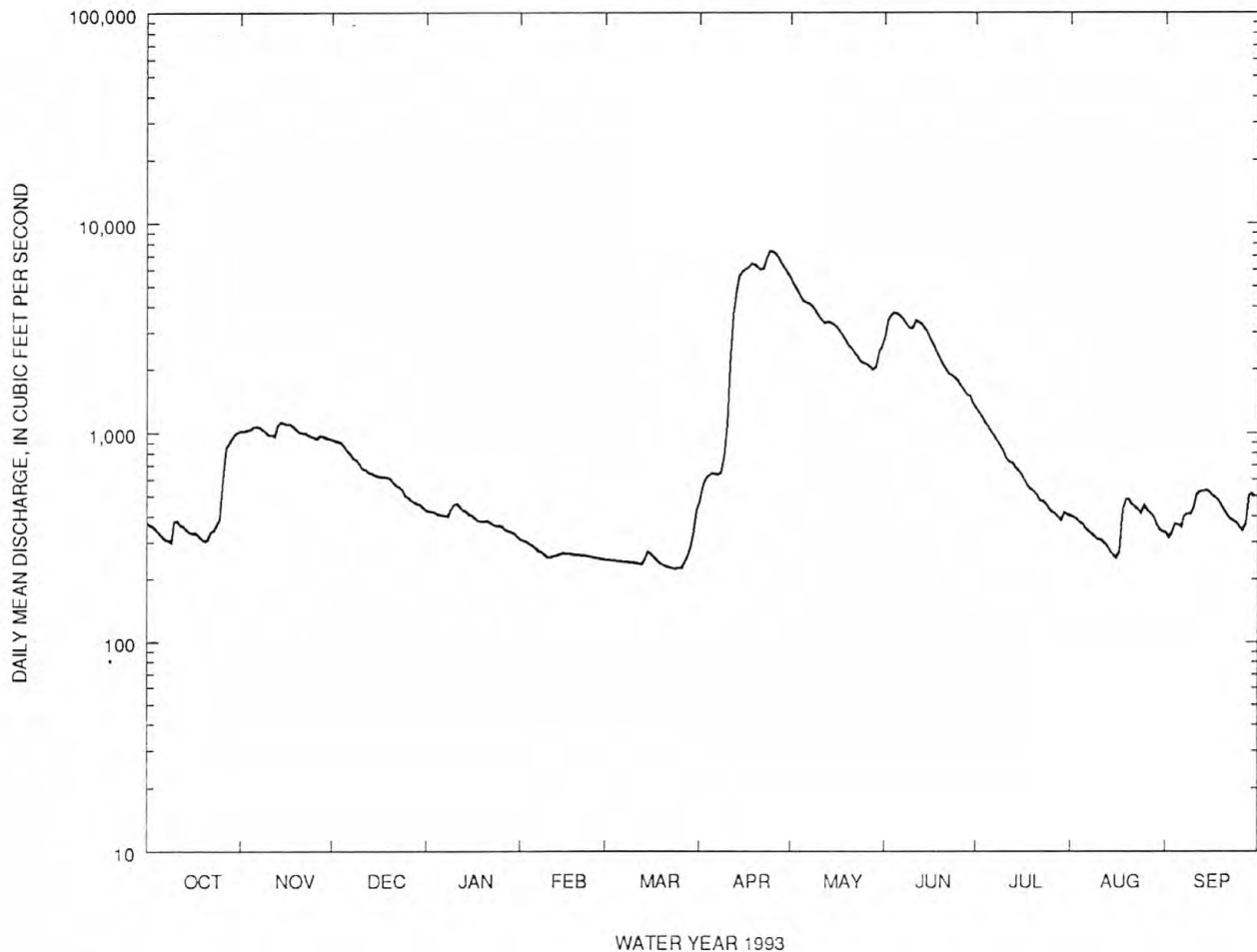
e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	793	1198	1049	608	474	550	3045	5128	1808	958	705	597
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1903 - 1993	
ANNUAL TOTAL	523248		444320			
ANNUAL MEAN	1430		1217		1414	
HIGHEST ANNUAL MEAN					2175	
LOWEST ANNUAL MEAN					773	
HIGHEST DAILY MEAN	7330		7430		15600	
LOWEST DAILY MEAN	301		225		46	
ANNUAL SEVEN-DAY MINIMUM	321		228		49	
INSTANTANEOUS PEAK FLOW			7480		15800	
INSTANTANEOUS PEAK STAGE			8.15		12.43	
INSTANTANEOUS LOW FLOW					34	
ANNUAL RUNOFF (CFSM)	1.64		1.39		1.62	
ANNUAL RUNOFF (INCHES)	22.30		18.93		22.01	
10 PERCENT EXCEEDS	2580		3440		3560	
50 PERCENT EXCEEDS	962		492		720	
90 PERCENT EXCEEDS	444		260		220	



ST. JOHN RIVER BASIN

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. 5 to Apr. 12. Records good except for period of ice effect Dec. 5, to Apr. 12, which is 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, 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. 13	1100	*86,600	*20.49	Apr. 24	1000	62,900	17.38
Apr. 19	0400	62,300	17.30				

Minimum daily discharge, 650 ft³/s, Mar. 12.

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	2860	7540	8090	e2200	e1200	e735	e3500	28300	15400	9360	3590	2600
2	2620	6690	7320	e2180	e1170	e725	e4350	26400	18600	9710	4880	2470
3	2510	6100	6750	e2200	e1110	e720	e4800	24100	26100	8520	4510	3370
4	2420	5780	6340	e2240	e1080	e710	e5100	21600	25200	7410	4780	4040
5	2380	5750	e4850	e2290	e1040	e705	e5180	19800	21200	6610	5710	6630
6	2350	5980	e3880	e2420	e1010	e700	e5000	19300	17900	6090	4970	9370
7	2310	6480	e3340	e2580	e985	e690	e5060	22300	15600	5660	4160	8100
8	2170	6510	e3000	e2800	e960	e680	e5300	23000	14000	5140	3500	7460
9	2040	5910	e2840	e3450	e940	e675	e6050	20300	12600	4640	3020	7710
10	2280	5170	e2820	e3950	e910	e670	e11500	17600	12000	4170	2730	6940
11	3450	5000	e2750	e3920	e895	e655	e25000	15800	13900	3840	2610	8450
12	6480	4960	e2710	e3600	e880	e650	e60900	15300	15600	3690	2850	12400
13	7360	5560	e2660	e3260	e870	e660	81800	16800	14600	3770	4070	11700
14	6170	8830	e2600	e2900	e865	e670	70800	21600	12600	3470	4260	9400
15	5160	13700	e2550	e2560	e855	e695	58100	21900	11100	3240	4050	7650
16	4450	12200	e2530	e2340	e845	e700	49500	18900	9880	2980	3500	6400
17	4040	10100	e2660	e2140	e835	e680	47000	16500	9040	2800	3000	5510
18	3690	8730	e2700	e2000	e820	e695	55700	15000	8430	2620	3600	4930
19	3430	6940	e2710	e1880	e810	e740	59200	13600	7780	2410	4100	4530
20	3300	5410	e2700	e1750	e800	e770	47400	12400	7190	2280	4370	4150
21	3130	5520	e2650	e1630	e790	e805	38100	11600	6600	2290	3920	3810
22	3200	5860	e2580	e1540	e780	e825	40600	11200	6380	2320	3320	3500
23	3470	6950	e2520	e1530	e775	e815	50800	10500	9820	2340	2910	3230
24	3850	7220	e2490	e1540	e765	e785	61300	9890	28900	2230	2630	3120
25	4420	7000	e2440	e1530	e755	e780	54400	9580	26100	2220	2880	2970
26	5790	6580	e2400	e1510	e750	e870	52000	10600	20300	2090	3310	2910
27	8270	6480	e2350	e1480	e745	e940	51200	12200	15300	1950	4650	3110
28	10700	7150	e2320	e1430	e740	e1000	42900	11800	12000	1880	5170	3820
29	11300	9100	e2280	e1380	---	e1180	35200	11200	10400	1860	4230	5210
30	9950	8980	e2250	e1340	---	e1800	30800	13500	9500	2320	3440	7150
31	8630	---	e2220	e1250	---	e2750	---	15400	---	2790	2860	---
TOTAL	144180	214180	102300	68820	24980	26475	1068540	517970	434020	122700	117580	172640
MEAN	4651	7139	3300	2220	892	854	35620	16710	14470	3958	3793	5755
MAX	11300	13700	8090	3950	1200	2750	81800	28300	28900	9710	5710	12400
MIN	2040	4960	2220	1250	740	650	3500	9580	6380	1860	2610	2470
CFSM	.82	1.26	.38	.39	.16	.15	6.29	2.95	2.35	.70	.67	1.02
IN.	.95	1.41	.67	.45	.16	.17	7.02	3.40	2.85	.81	.77	1.13

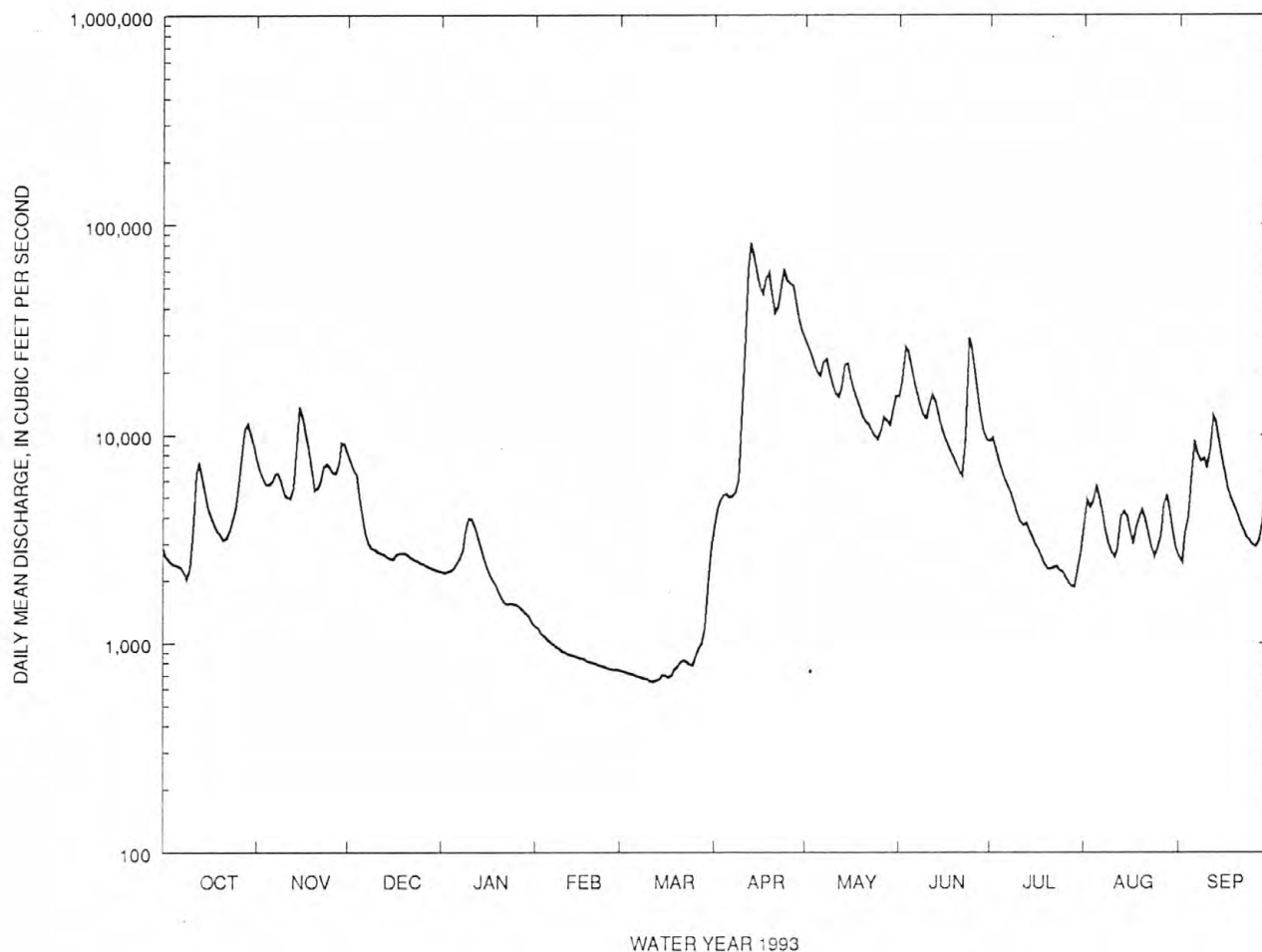
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6782	8506	5677	3172	2412	3336	24460	34250	10720	6281	5344	4894
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1927 - 1993	
ANNUAL TOTAL	3407960		3014385			
ANNUAL MEAN	9311		8259		9680	
HIGHEST ANNUAL MEAN					14100	
LOWEST ANNUAL MEAN					5667	
HIGHEST DAILY MEAN	101000		81800		146000	
LOWEST DAILY MEAN	1620		650		510	
ANNUAL SEVEN-DAY MINIMUM	1700		666		513	
INSTANTANEOUS PEAK FLOW			86600		151000	
INSTANTANEOUS PEAK STAGE			20.49		27.31	
ANNUAL RUNOFF (CFSM)	1.64		1.46		1.71	
ANNUAL RUNOFF (INCHES)	22.38		19.79		23.22	
10 PERCENT EXCEEDS	19400		19500		22900	
50 PERCENT EXCEEDS	5160		3920		4600	
90 PERCENT EXCEEDS	2470		831		1490	



ST. JOHN RIVER BASIN

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 current year.

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 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	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)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
		(00060)	(00095)	(00400)	(DEG C) (00020)	(DEG C) (00010)	(NTU) (00076)	(00025)	(00300)	(00301)	(31625)	(31673)
NOV												
19...	0730	10,000	81	7.6	-17.5	0.0	1.5	762	13.6	93	500	92
DEC												
09...	0840	E 4,100	106	7.5	-12.0	0.0	1.1	755	13.5	93	170	K 23
FEB												
03...	1155	E 1,600	130	7.5	-6.0	0.5	2.2	740	11.4	81	220	62
APR												
20...	1300	68,400	50	7.2	3.0	2.0	13	755	13.0	95	75	28
JUN												
01...	1430	22,200	70	7.7	8.0	8.5	2.6	747	11.3	98	260	56
AUG												
18...	0730	5,190	101	7.4	17.0	21.5	0.50	752	6.9	79	K 5	K 35

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											
19...	34	11	1.4	2.5	0.50	31	0.0	25	6.3	2.3	<0.10
DEC											
09...	49	16	2.2	2.9	0.50	43	0.0	35	8.0	2.8	<0.10
FEB											
03...	63	20	2.8	4.6	0.60	59	0.0	48	12	4.4	<0.10
APR											
20...	23	7.4	0.99	1.5	0.50	22	0.0	18	3.8	1.6	<0.10
JUN											
01...	34	11	1.5	1.9	0.50	30	0.0	25	4.7	1.7	<0.10
AUG											
18...	47	15	2.0	3.1	0.60	42	0.0	34	8.2	3.1	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 1992 TO SEPTEMBER 1993

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE 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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
NOV										
19...	3.9	64	43	<0.01	0.01	0.21	0.20	0.02	0.03	0.04
DEC										
09...	4.3	69	58	0.01	0.01	0.21	0.19	<0.01	0.01	0.01
FEB										
03...	4.4	86	78	--	<0.01	--	0.16	--	0.02	0.03
APR										
20...	3.3	51	30	--	<0.01	--	0.16	--	0.06	0.08
JUN										
01...	3.5	55	40	--	<0.01	--	0.12	--	0.04	0.05
AUG										
18...	2.9	77	56	--	<0.01	--	0.06	--	0.05	0.06

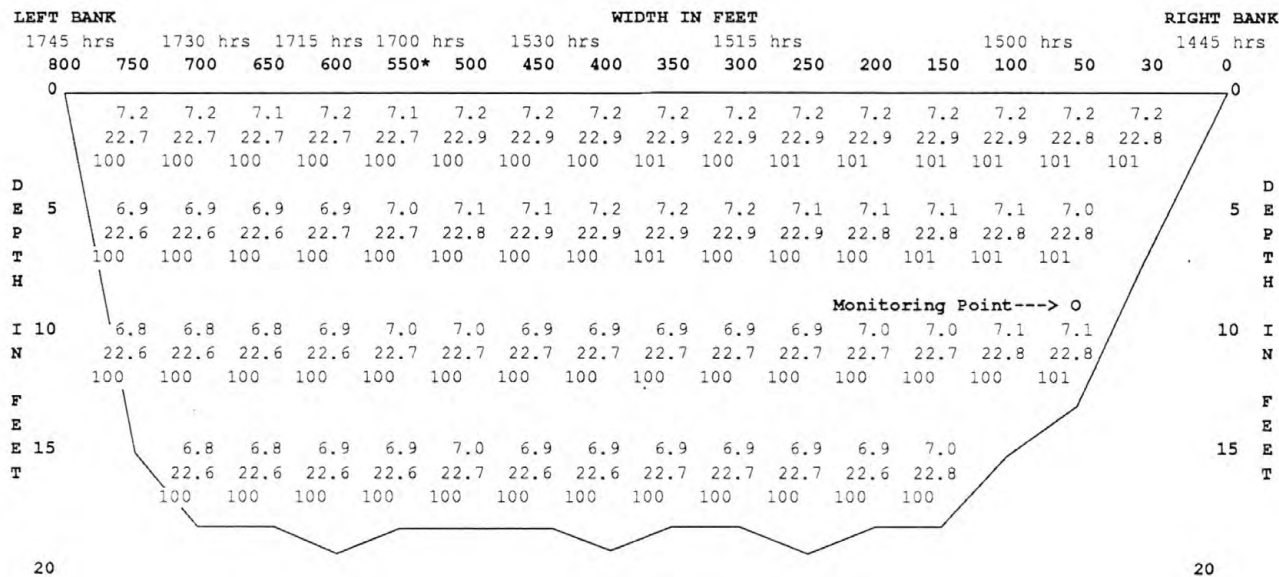
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIIUM, DIS- 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)
NOV										
19...	0.30	0.02	0.03	<0.01	0.01	70	5	<3	96	<4
DEC										
09...	0.20	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--
FEB										
03...	<0.20	0.02	<0.01	--	<0.01	50	8	<3	73	<4
APR										
20...	0.50	0.02	0.02	--	<0.01	110	14	<3	87	<4
JUN										
01...	<0.20	<0.01	0.01	--	<0.01	--	--	--	--	--
AUG										
18...	0.20	0.01	<0.01	--	<0.01	30	6	<3	70	7

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
19...	12	<10	<1	<1	<1	75	<6	5	135	82
DEC										
09...	--	--	--	--	--	--	--	3	33	64
FEB										
03...	34	<10	<1	<1	<1	120	<6	4	17	71
APR										
20...	10	<10	<1	<1	<1	53	<6	25	4,620	89
JUN										
01...	--	--	--	--	--	--	--	7	420	73
AUG										
18...	10	<10	<1	<1	<1	94	<6	3	42	79

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

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

AUGUST 17, 1993



DAILY MEAN DISCHARGE	CROSS SECTION VALUES			MONITOR HOURLY VALUES				MONITOR DAILY VALUES		
4360 ft ³ /s	Max	Min	Mean	Time	DO	WT	SC	Max	Min	Mean
	DO 7.2	6.8	7.0	1500	7.2	23.0	105	DO 7.4	7.0	7.2
	WT 22.9	22.6	22.7	1600	7.3	23.0	101	WT 23.0	22.4	22.6
	SC 101	100	100	1700	7.2	22.8	100	SC 105	80	99

* Restart after heavy rain

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: Dec. 5 to Apr. 12, and July 2-5. Records good except for period of ice effect, Dec. 5 to Apr. 12 and period of no gage-height record, July 2-5, 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; minimum discharge, 41 ft³/s, Sept. 26, 27, 1968, gage height, 1.89 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,300 ft³/s, Apr. 13, gage height, 15.60 ft; minimum daily discharge 120 ft³/s, Mar. 16.

**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	254	1500	1080	e279	e288	e160	e1050	3590	4060	2170	350	208
2	232	1260	986	e275	e285	e158	e1010	3350	4990	e2000	323	211
3	232	1110	924	e272	e279	e155	e920	3090	5670	e1890	283	213
4	231	1030	888	e279	e270	e152	e820	2830	4910	e1700	256	240
5	228	1030	e710	e305	e262	e150	e890	2640	3980	e1540	280	355
6	216	1100	e630	e370	e254	e148	e995	2670	3220	1510	317	415
7	203	1160	e570	e435	e250	e145	e1180	2950	2700	1240	297	523
8	189	1080	e530	e535	e249	e144	e1420	2830	2350	1060	269	908
9	180	933	e500	e625	e244	e141	e1690	2530	2050	898	253	858
10	179	834	e475	e605	e236	e138	e2750	2240	2110	831	254	798
11	195	808	e450	e590	e230	e135	e6360	2060	3130	814	240	1350
12	217	789	e430	e555	e224	e134	e10800	2100	3120	729	221	1560
13	237	826	e415	e525	e218	e129	16700	2840	2530	639	203	1310
14	253	1150	e400	e505	e218	e126	15500	3860	2060	563	188	1020
15	257	1280	e385	e485	e218	e124	12000	3560	1730	516	177	816
16	250	1160	e390	e478	e215	e120	8750	2990	1450	492	168	706
17	251	922	e388	e458	e210	e128	7540	2590	1270	454	171	617
18	252	955	e390	e445	e202	e133	8890	2250	1090	420	291	565
19	250	1250	e397	e434	e197	e136	8580	1970	1020	383	470	572
20	237	1880	e400	e415	e194	e136	6910	1790	934	353	467	567
21	232	1650	e405	e393	e190	e136	5480	1710	875	340	428	516
22	255	1580	e384	e372	e186	e135	5340	1750	1570	323	411	453
23	342	1210	e365	e355	e184	e134	7390	1700	6830	326	369	404
24	437	986	e344	e345	e178	e133	10500	1540	9110	326	312	372
25	713	777	e335	e335	e175	e139	9510	1420	7240	316	311	348
26	1790	693	e326	e329	e170	e168	7670	1570	5120	304	341	323
27	3320	838	e316	e324	e167	e220	6640	1690	3710	286	336	350
28	3660	1190	e305	e315	e165	e293	5530	1580	2780	271	297	554
29	3050	1290	e300	e310	---	e440	4630	1560	2310	250	257	1090
30	2360	1200	e292	e305	---	e580	3990	3360	2120	254	226	1140
31	1860	---	e285	e296	---	e960	---	4460	---	326	203	---
TOTAL	22562	33471	14995	12549	6158	6130	181435	77070	96039	23524	8969	19362
MEAN	728	1116	484	405	220	198	6048	2486	3201	759	289	645
MAX	3660	1880	1080	625	288	960	16700	4460	9110	2170	470	1560
MIN	179	693	285	272	165	120	820	1420	875	250	168	208
CFSM	.82	1.25	.54	.45	.25	.22	6.78	2.79	3.59	.85	.32	.72
IN.	.94	1.40	.63	.52	.26	.26	7.57	3.21	4.01	.98	.37	.81

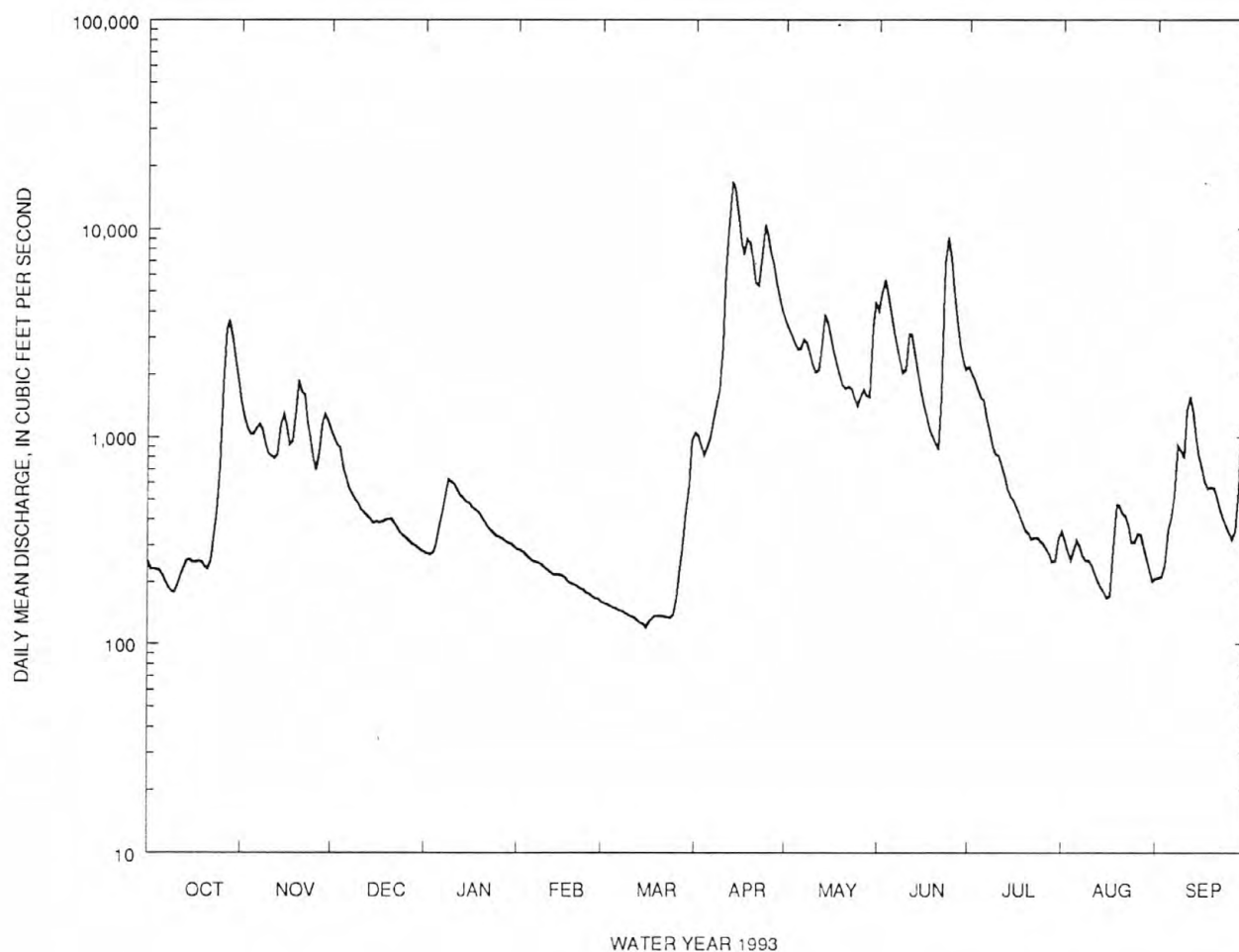
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01015800 AROOSTOOK RIVER NEAR MASARDIS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1089	1440	1033	576	589	728	4326	4560	1351	668	655	687
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1957 - 1993	
ANNUAL TOTAL	460462		502264		1477	
ANNUAL MEAN	1258		1376		2133	
HIGHEST ANNUAL MEAN					818	
LOWEST ANNUAL MEAN					1976	
HIGHEST DAILY MEAN	13200		16700		22100	
LOWEST DAILY MEAN	179		120		42	
ANNUAL SEVEN-DAY MINIMUM	197		128		44	
INSTANTANEOUS PEAK FLOW			17300		23100	
INSTANTANEOUS PEAK STAGE			15.60		17.70	
INSTANTANEOUS LOW FLOW					41	
ANNUAL RUNOFF (CFSM)	1.41		1.54		1.66	
ANNUAL RUNOFF (INCHES)	19.20		20.95		22.49	
10 PERCENT EXCEEDS	3410		3350		3660	
50 PERCENT EXCEEDS	630		475		650	
90 PERCENT EXCEEDS	256		182		227	



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: Dec. 6 to Apr. 12, Apr. 30 to June 27, and Sept. 8-30. Records good, except for periods of ice effect, Dec. 6 to Apr. 12, doubtful gage-height record, Apr. 30 to June 27, and no gage-height record, Sept. 8-30, 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, 30,200 ft³/s, Apr. 13, gage height, 11.37 ft; maximum gage height, 12.12 ft, Apr. 11, (backwater from ice); minimum daily discharge, 253 ft³/s, Mar. 15.

**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	508	2720	2070	e550	e900	e323	e2000	e6520	e7650	4630	824	373
2	479	2310	1860	e543	e900	e318	e1880	e5830	e9600	4350	712	368
3	472	2040	1700	e540	e890	e315	e1720	e5480	e11300	3350	585	420
4	484	1870	1610	e552	e880	e312	e1680	e5050	e10200	2960	507	688
5	461	1830	1360	e600	e850	e306	e1710	e4750	e7600	2930	491	874
6	443	1940	e1210	e650	e700	e365	e1920	e4780	e6130	2650	480	861
7	426	2060	e1100	e710	e540	e298	e2270	e5300	e5110	2230	489	1490
8	412	1960	e1030	e820	e600	e295	e2750	e5280	e4400	1880	469	e1800
9	397	1670	e975	e930	e745	e288	e3450	e4650	e3920	1610	487	e1650
10	415	1440	e980	e1050	e730	e280	e5500	e4200	e4650	1430	596	e1540
11	428	1440	e895	e1010	e715	e275	e12200	e3900	e6800	1370	518	e2610
12	456	1380	e1120	e1200	e705	e265	e20600	e4000	e5400	1290	459	e3000
13	495	1650	e800	e1190	e695	e260	29400	e5900	e4600	1210	412	e2530
14	513	2130	e785	e1170	e440	e256	27900	e7250	e3950	1080	374	e1970
15	524	2420	e1030	e1140	e455	e253	22200	e6750	e3270	1040	348	e1580
16	507	2250	e1040	e1120	e510	e320	15900	e5870	e2880	1010	330	e1370
17	507	1910	e1050	e915	e740	e268	12800	e4960	e2460	946	391	e1200
18	498	1760	e1050	e905	e735	e273	14200	e4480	e2190	812	1020	e1100
19	495	1420	e850	e1100	e725	e282	14100	e4000	e1930	693	984	e1120
20	485	3750	e785	e1060	e705	e340	11400	e3670	e1780	625	911	e1100
21	470	6330	e830	e1030	e640	e282	9110	e3500	e1710	593	789	e1000
22	505	6590	e1020	e995	e645	e280	8740	e3540	e3250	578	677	e890
23	593	4210	e985	e955	e690	e275	12600	e3250	e13400	588	609	e795
24	732	2720	e960	e935	e685	e270	18200	e2930	e18000	623	541	e735
25	1000	2170	e660	e930	e680	e283	17200	e2970	e14600	627	560	e690
26	2520	1850	e640	e650	e675	e350	13500	e3200	e10500	593	601	e640
27	5280	1820	e630	e710	e670	e460	10800	e3480	e7100	567	578	e690
28	6190	2240	e810	e885	e390	e600	8960	e3300	4980	520	525	e1080
29	5250	2410	e870	e870	---	e900	8120	e3200	4370	454	460	e2100
30	4160	2340	e855	e845	---	e1200	e7000	e5400	4190	456	409	e2200
31	3320	---	e835	e850	---	e1850	---	e8350	---	515	380	---
TOTAL	39425	72630	32395	27410	19235	12642	319810	145720	187920	44210	17516	38464
MEAN	1272	2421	1045	884	687	408	10660	4701	6264	1426	565	1282
MAX	6190	6590	2070	1200	900	1850	29400	8350	18000	4630	1020	3000
MIN	397	1380	630	540	390	253	1680	2930	1710	454	330	368

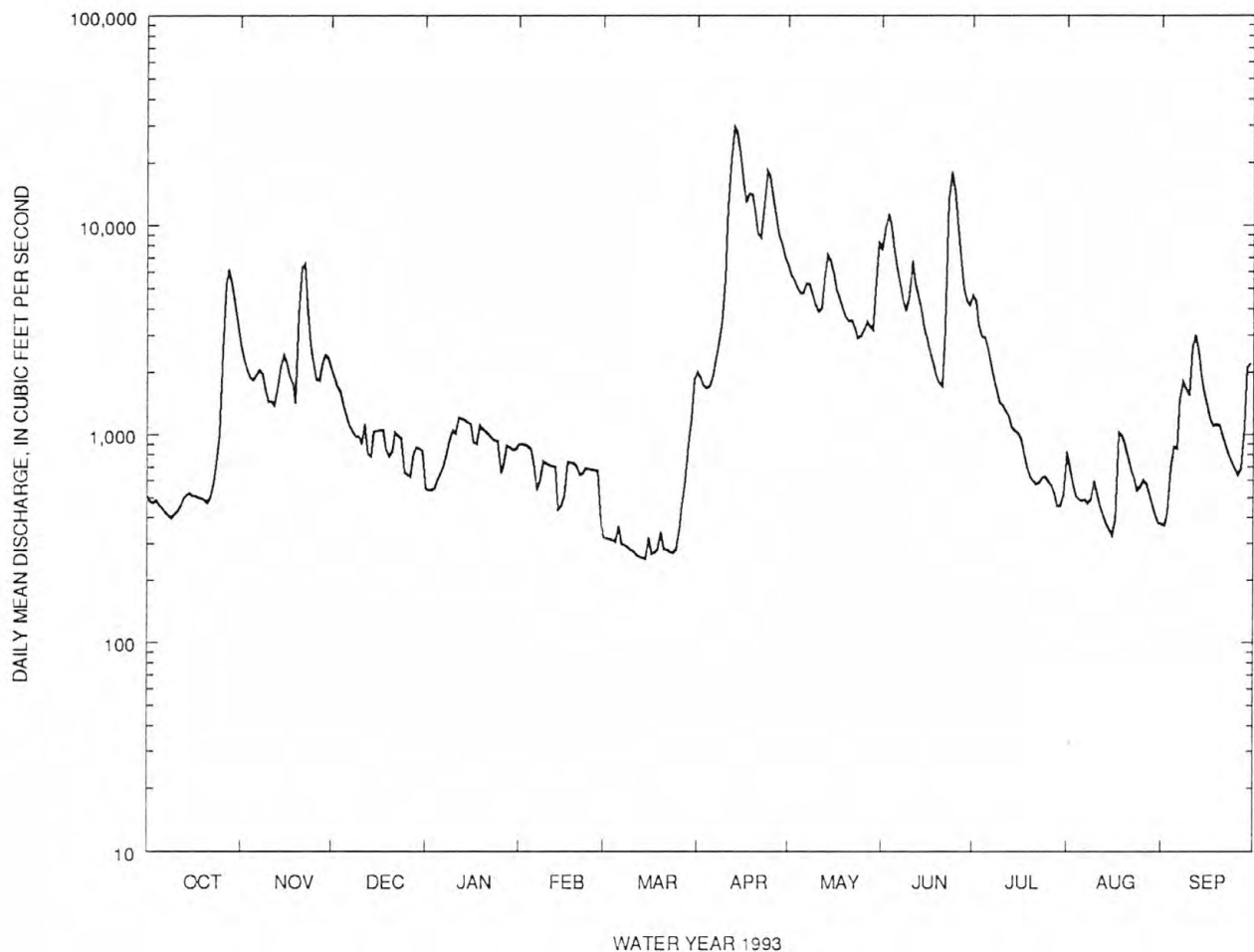
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01017000 AROOSTOOK RIVER AT WASHBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1799	2530	1853	1037	1011	1397	8031	8040	2543	1368	1069	1133
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1930 - 1993	
ANNUAL TOTAL	863671		957377		2655	
ANNUAL MEAN	2360		2623		4145	
HIGHEST ANNUAL MEAN					1409	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	25600		29400		42500	
LOWEST DAILY MEAN	391		253		75	
ANNUAL SEVEN-DAY MINIMUM	425		268		78	
INSTANTANEOUS PEAK FLOW			30200		43400	
INSTANTANEOUS PEAK STAGE			12.12		20.91	
10 PERCENT EXCEEDS	6060		6410		6820	
50 PERCENT EXCEEDS	1300		1030		1170	
90 PERCENT EXCEEDS	509		411		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: July 24-27 and Sept. 21-30. Records good except for period of no gage-height record, July 24-27, and period of doubtful gage-height record, Sept. 21-30, which are fair. 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. Satellite gage-height telemeter 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, 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, 3,310 ft³/s, Apr 23, gage height, 8.43 ft; minimum daily, 195 ft³/s, Mar 31.

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	688	360	375	637	317	483	199	779	655	746	734	954
2	687	359	375	635	396	483	201	590	1390	746	579	950
3	691	359	377	630	477	481	204	336	1200	743	426	947
4	690	359	525	521	523	479	204	246	865	740	424	942
5	687	359	616	383	519	477	206	246	682	587	424	938
6	682	359	606	264	518	478	206	247	684	419	578	933
7	535	359	615	218	516	477	209	465	685	417	724	929
8	580	359	676	218	515	475	211	670	685	417	721	924
9	681	359	708	220	513	474	213	483	686	632	544	919
10	677	359	706	220	510	472	215	243	686	729	289	914
11	678	359	798	220	509	469	223	246	684	728	204	914
12	680	359	881	220	506	468	238	246	686	549	325	907
13	679	361	876	220	505	468	253	615	684	409	713	902
14	677	364	870	220	506	470	244	1970	516	408	989	896
15	675	366	867	220	502	470	224	1950	420	407	983	895
16	673	368	860	220	500	468	220	1520	420	552	979	891
17	670	369	852	220	502	466	216	771	420	721	974	885
18	667	369	853	220	503	466	221	515	547	717	972	883
19	663	369	850	220	501	464	221	515	689	561	969	879
20	660	367	847	220	500	464	218	515	690	424	967	875
21	649	366	737	220	497	462	219	746	542	442	965	e869
22	649	366	662	220	497	460	1440	980	403	442	960	e864
23	648	367	661	220	495	458	2780	978	404	521	956	e858
24	645	369	657	220	493	459	2560	976	403	e729	674	e858
25	648	370	657	225	493	455	2550	700	522	e724	502	e853
26	493	372	653	225	492	453	2560	377	672	e586	669	e847
27	359	374	651	225	489	453	2110	298	670	e445	833	e858
28	359	375	648	225	485	453	1760	515	562	442	963	e864
29	359	375	645	225	---	454	1300	698	455	442	958	e864
30	359	375	644	225	---	315	923	702	573	578	952	e858
31	359	---	641	225	---	195	---	628	---	734	953	---
TOTAL	18847	10951	21389	8601	13779	14069	22548	20766	19180	17837	22903	26870
MEAN	608	365	690	277	492	454	752	670	639	575	739	896
MAX	691	375	881	637	523	483	2780	1970	1390	746	989	954
MIN	359	359	375	218	317	195	199	243	403	407	204	847

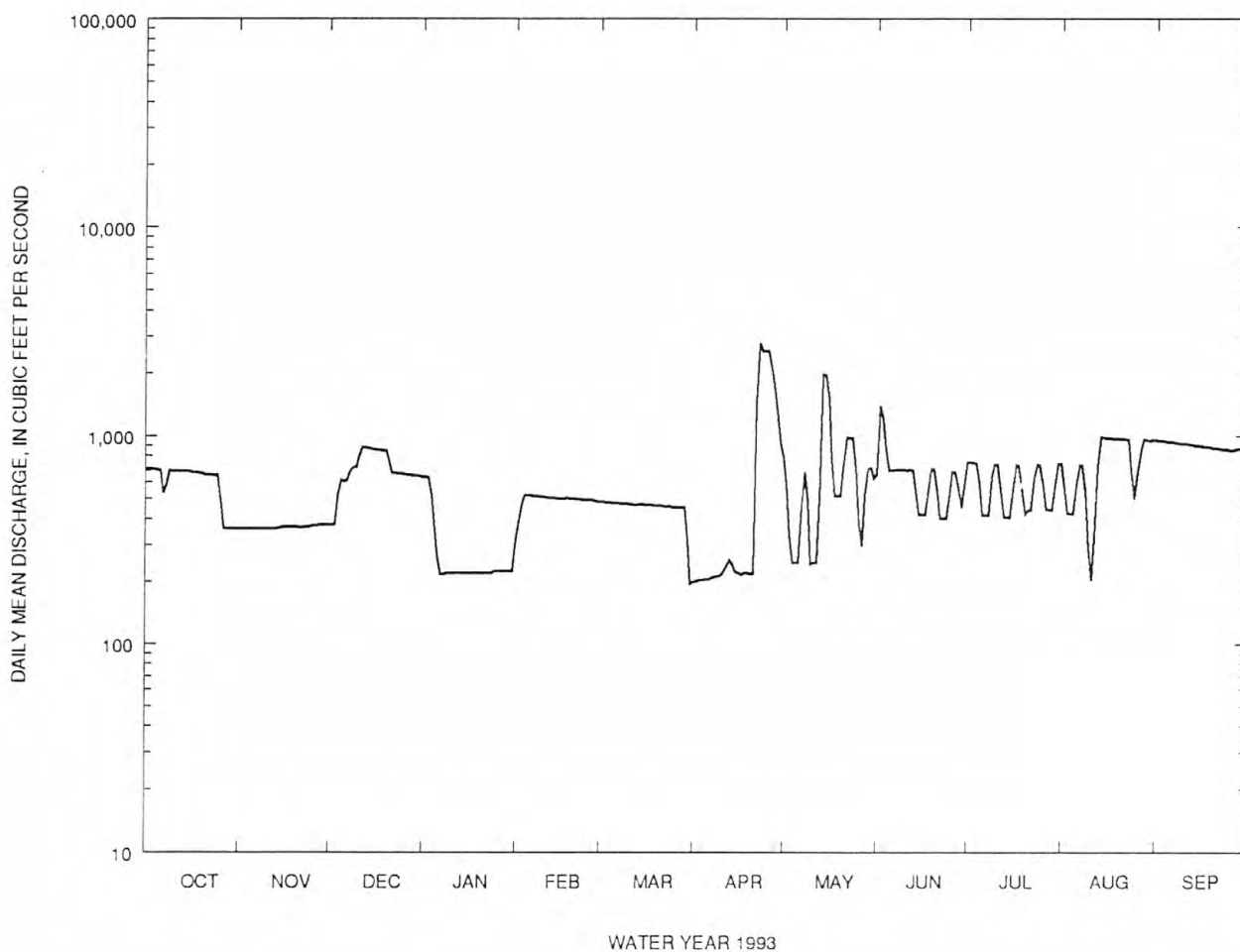
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01018500 ST. CROIX RIVER AT VANCEBORO, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	542	469	541	759	839	689	666	992	916	822	754	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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1929 - 1993	
ANNUAL TOTAL	278027		217740			
ANNUAL MEAN	760		597		720	
HIGHEST ANNUAL MEAN					1203	
LOWEST ANNUAL MEAN					335	
					1960	
HIGHEST DAILY MEAN	2700		2780		6210	
LOWEST DAILY MEAN	198		195		1.9	
ANNUAL SEVEN-DAY MINIMUM	215		202		2.0	
					Oct 11 1936	
INSTANTANEOUS PEAK FLOW			3310		6730	
INSTANTANEOUS PEAK STAGE			8.43		11.28	
					Jun 3 1984	
10 PERCENT EXCEEDS	1410		931		1370	
50 PERCENT EXCEEDS	657		515		595	
90 PERCENT EXCEEDS	235		222		221	



ST. CROIX RIVER BASIN

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. 8-11, 24-28, Jan. 1-4, 6, 9, 10, Mar. 13 and 14. Records good including periods of ice effect, Dec. 8-11, 24-28, Jan. 1-4, 6, 9, 10, Mar. 13 and 14. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8,250,000 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, 5 ft³/s, Dec. 3-6, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 859 ft³/s, May 15, gage height, 3.62 ft; minimum daily discharge, 102 ft³/s, Dec. 14 and 15.

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	360	106	114	e114	121	123	131	173	411	404	149	477
2	354	106	114	e114	121	123	132	172	414	402	149	470
3	353	106	114	e116	121	123	132	171	414	401	149	463
4	349	108	114	e116	120	123	132	211	414	401	149	463
5	345	110	114	121	121	123	132	239	410	400	149	459
6	376	112	113	e121	121	124	133	246	410	397	149	455
7	396	111	112	119	121	123	136	246	414	397	149	451
8	390	110	e112	119	120	123	137	245	410	393	149	445
9	305	110	e110	e119	121	123	138	243	410	393	429	442
10	221	110	e106	e119	120	123	140	242	410	393	595	441
11	223	110	e104	119	119	123	162	308	410	393	585	441
12	333	110	103	118	119	123	168	456	406	393	581	433
13	482	113	103	116	121	e123	161	500	407	392	577	425
14	533	114	102	116	121	e123	160	609	408	389	569	423
15	285	114	102	117	121	124	160	663	405	388	562	421
16	196	114	104	116	121	125	160	619	405	388	554	414
17	170	111	105	116	124	126	164	508	405	388	546	407
18	168	108	108	116	123	126	169	427	405	383	549	405
19	146	108	107	116	123	125	167	427	405	273	544	405
20	119	108	107	116	123	125	168	427	405	201	538	398
21	119	108	108	116	123	126	169	427	405	201	538	391
22	122	108	108	117	123	125	172	426	407	199	530	386
23	122	111	108	119	123	125	175	423	414	168	521	379
24	122	112	e108	119	123	126	174	423	406	149	515	379
25	125	112	e108	121	123	126	173	423	405	149	514	372
26	125	112	e108	119	123	127	175	423	405	149	510	369
27	125	113	e108	119	123	129	173	421	405	149	502	370
28	125	113	e110	119	123	129	174	415	405	149	499	376
29	124	114	112	119	---	130	175	416	405	149	495	375
30	113	114	113	119	---	131	174	416	405	149	486	372
31	106	---	113	120	---	131	---	411	---	149	478	---
TOTAL	7432	3316	3372	3651	3406	3879	4716	11756	12240	9329	13409	12507
MEAN	240	111	109	118	122	125	157	379	408	301	433	417
MAX	533	114	114	121	124	131	175	663	414	404	595	477
MIN	106	106	102	114	119	123	131	171	405	149	149	369

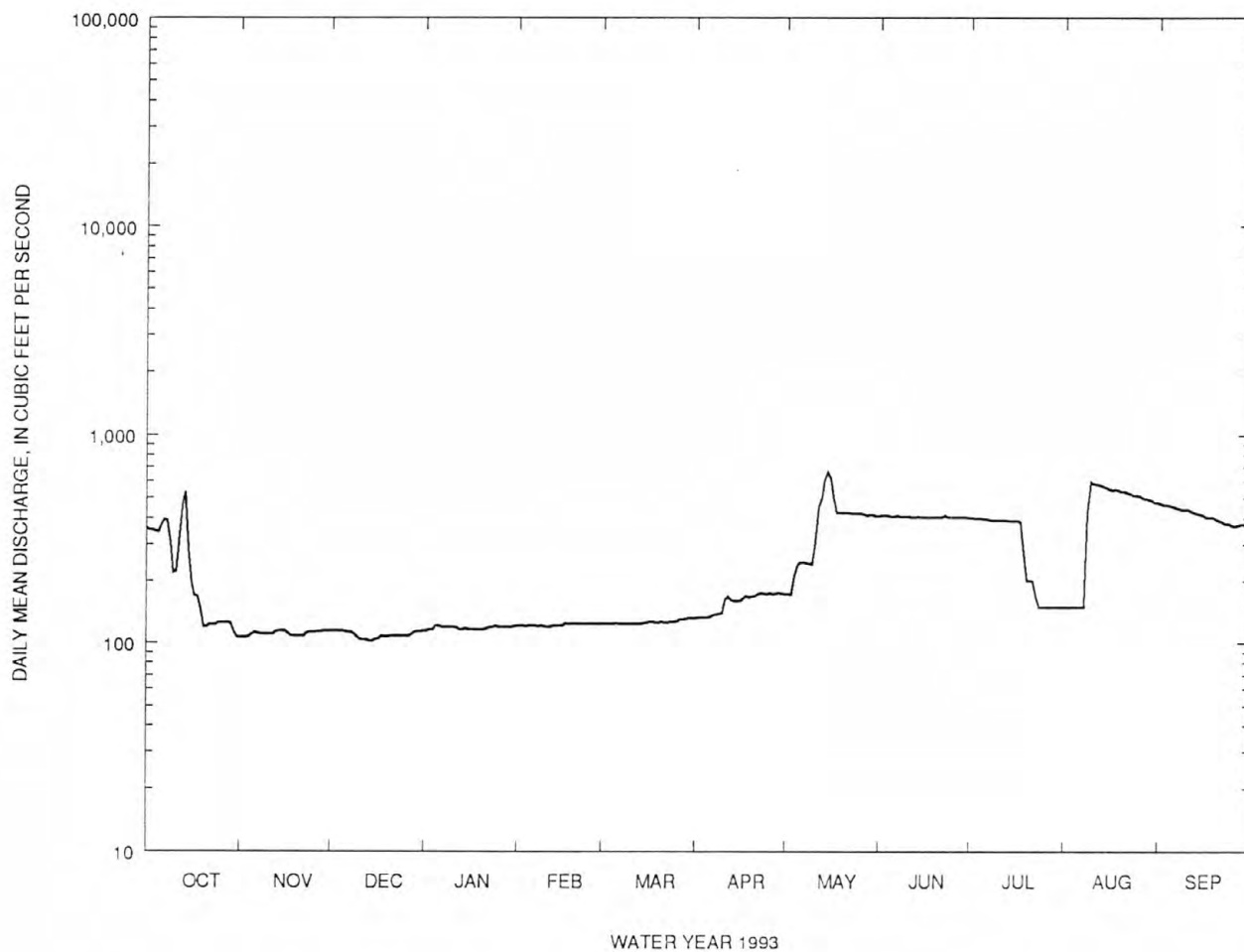
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01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	349	222	256	375	477	449	322	407	459	429	488	458
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1929 - 1993	
ANNUAL TOTAL	126919		89013			
ANNUAL MEAN	347		244		392	
HIGHEST ANNUAL MEAN					701	
LOWEST ANNUAL MEAN					178	
HIGHEST DAILY MEAN	1270		663		2780	
LOWEST DAILY MEAN	102		102		5.0	
ANNUAL SEVEN-DAY MINIMUM	103		103		6.4	
INSTANTANEOUS PEAK FLOW			859		2840	
INSTANTANEOUS PEAK STAGE			3.62		6.35	
10 PERCENT EXCEEDS	871		453		822	
50 PERCENT EXCEEDS	217		149		290	
90 PERCENT EXCEEDS	111		111		117	



ST. CROIX RIVER BASIN

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 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: Oct. 1-21, Dec. 9,10,19-22,25-28, Jan. 2,3,10-13,16-20,26, Jan. 30-31, Feb. 5-7,9,12,19-23,25-Mar. 1, Mar. 6,13-16,18,19, July 9 and 10. Records good except for periods of ice effect, Dec. 9,10, 19-22,25-28, Jan 2,3,10-13, 16-20, 26, Jan. 30-31; Feb. 5-7, 9,12,19-23, Feb. 25-Mar. 1, Mar. 6, 13-16, 18, and 19 and periods of no gage-height record, Oct. 1-21, July 9 and 10, which are fair. Flow regulated by Chiputneticook Lakes, Grand, and other lakes, combined capacity about 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, 262 ft³/s, Oct. 20, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,900 ft³/s, Apr. 12, gage height, 11.74 ft; minimum daily, 870 ft³/s, Aug. 24.

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	e1150	1770	1640	1130	1090	e921	2980	3540	2180	1440	905	961
2	e1110	1580	2640	e966	1030	912	2890	3390	2370	1510	912	1040
3	e1090	1530	2770	e1000	1080	921	2850	3300	2680	1540	939	1020
4	e1080	1350	2560	1370	1330	931	2830	2960	2860	1630	940	1110
5	e1010	1240	2070	1690	e1140	979	2860	2960	1900	1580	945	1180
6	e957	2010	1910	1780	e1010	e982	3120	2960	1650	1560	949	1170
7	e959	1990	1830	1200	e1010	979	3260	2850	1910	1530	966	1400
8	e959	1920	1710	1250	1070	934	3320	2590	2300	1220	951	1630
9	e951	1840	e1570	1410	e906	928	3370	2700	1860	e1010	945	1790
10	e959	1320	e1500	e1320	915	928	3440	2810	1500	e1050	944	1800
11	e1190	1030	1320	e1120	942	926	5100	2660	1840	1410	949	1940
12	e1730	1150	1250	e1010	e944	910	14400	2930	1990	1460	881	1740
13	e1260	1410	1430	e1010	972	e914	17400	3020	2060	1580	886	1890
14	e1320	1740	1610	1030	959	e1020	15100	3070	2190	1670	973	1590
15	e1190	1830	1800	1200	931	e1000	11500	3190	1460	1240	1160	1490
16	e1160	1770	1590	e1110	941	e959	9200	3300	1160	1520	1340	1600
17	e1060	1910	1210	e1020	975	970	7540	3280	1080	1160	1480	1650
18	e888	2350	1300	e1010	963	e1020	7450	3250	1470	1020	1660	1570
19	e884	2930	e1280	e998	e951	e1060	7420	2940	1380	1140	1650	1640
20	e898	2220	e1280	e982	e936	1050	7190	2740	1200	1180	1220	1280
21	e876	1840	e1280	1100	e921	1040	6270	3130	1150	1220	1200	1050
22	1070	1200	e1250	974	e990	1070	5960	3160	1340	1170	963	1020
23	957	1580	1190	1150	e967	942	6790	2890	1340	1140	878	1110
24	973	1480	1100	1010	968	1050	7630	2880	1180	996	870	1170
25	1130	1100	e1140	1150	e951	1200	8830	2870	1160	914	877	1130
26	1240	1030	e1130	e1040	e951	1520	9140	2970	1200	912	877	1080
27	1420	1230	e1160	1180	e959	1770	7650	2560	1260	906	883	1090
28	1860	1130	e1160	1140	e888	2120	6260	1750	1160	907	882	1530
29	2020	1050	1190	947	---	2690	5020	1450	1160	907	882	1470
30	1970	1080	1080	e920	---	2770	3890	2870	1170	902	883	1710
31	1740	---	1110	e1170	---	2900	---	2550	---	903	893	---
TOTAL	37061	47610	47060	35387	27690	38316	200660	89520	49160	38327	31683	41851
MEAN	1196	1587	1518	1142	989	1236	6689	2888	1639	1236	1022	1395
MAX	2020	2930	2770	1780	1330	2900	17400	3540	2860	1670	1660	1940
MIN	876	1030	1080	920	888	910	2830	1450	1080	902	870	961

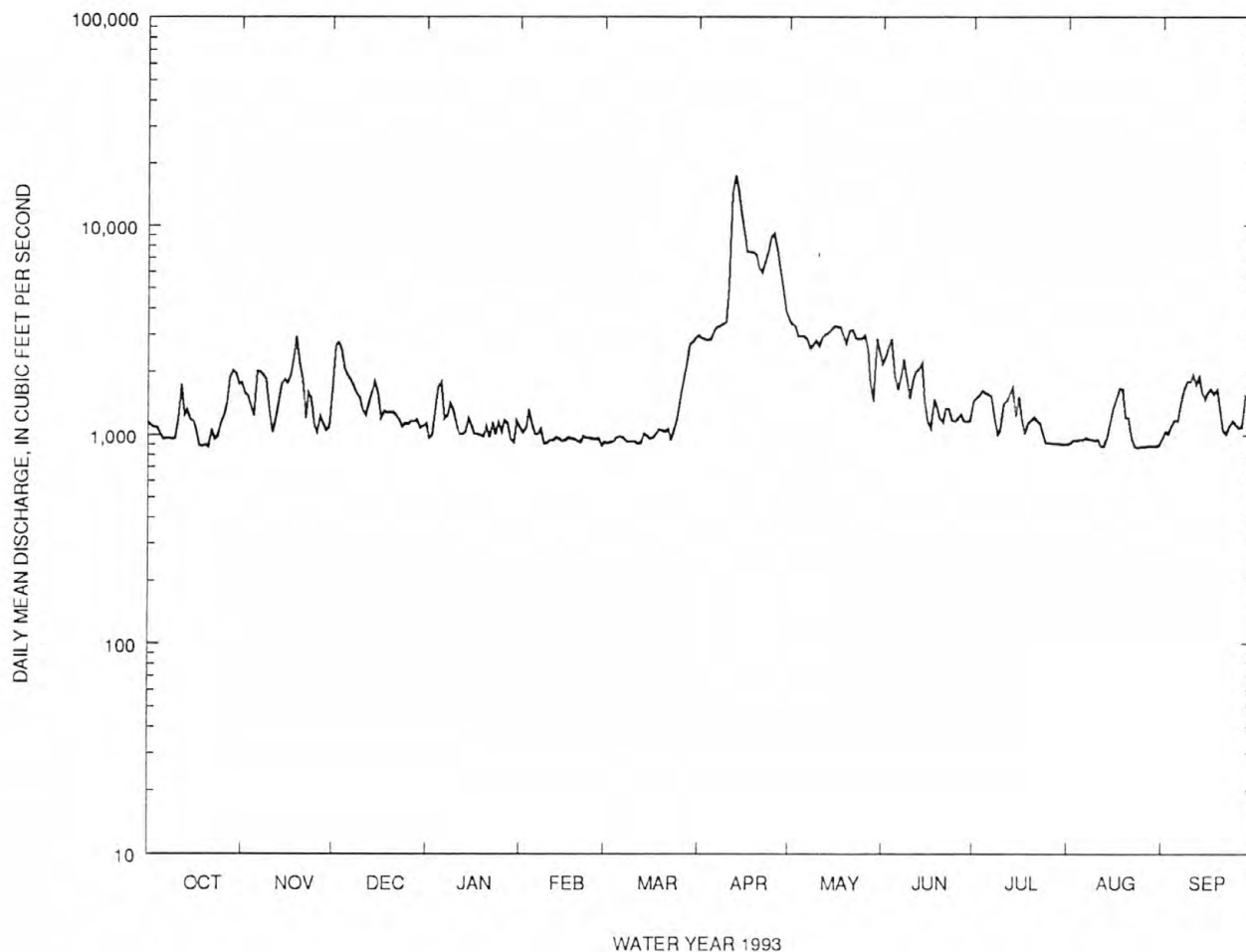
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1888	2362	2767	2317	2746	2896	5257	3853	2498	1704	1667	1718
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1960 - 1993	
ANNUAL TOTAL	818507		684325			
ANNUAL MEAN	2236		1875		2635	
HIGHEST ANNUAL MEAN					3863	
LOWEST ANNUAL MEAN					1280	
HIGHEST DAILY MEAN	7940		17400		23200	
LOWEST DAILY MEAN	875		870		262	
ANNUAL SEVEN-DAY MINIMUM	907		878		327	
INSTANTANEOUS PEAK FLOW			17900		23500	
INSTANTANEOUS PEAK STAGE			11.74		12.76	
10 PERCENT EXCEEDS	3240		3000		4850	
50 PERCENT EXCEEDS	2080		1220		2190	
90 PERCENT EXCEEDS	1080		928		968	



ST. CROIX RIVER BASIN

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.

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.

REMARKS.--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.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 224 µS/cm, Feb. 24; minimum, 45 µS/cm, Apr. 24.

pH: Maximum, 7.5 units, Aug. 30; minimum, 6.5 units, Apr. 28.

WATER TEMPERATURE: Maximum, 26.5°C, July 9, 14, 15; minimum, 0.0°C, on many days during winter period.

DISSOLVED OXYGEN: Maximum, 13.2 mg/L, Jan. 10, 11; minimum, 6.0 mg/L, July 9, 10, Aug. 28.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	STREAM FLOW, INSTAN- TANEOUS (CFS) (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 OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (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												
21...	1030	E 876	158	7.3	8.5	10.0	1.7	774	10.2	89	39	120
FEB												
04...	0845	936	149	7.1	-8.0	0.0	3.1	755	12.7	89	70	K 17
APR												
21...	0730	6,950	42	6.9	13.0	5.5	2.3	761	12.0	95	K 17	K 16
AUG												
18...	1515	1,770	126	7.0	22.5	22.5	1.3	760	6.5	75	20	200

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											
21...	16	5.1	0.74	23	1.5	28	0.0	23	14	21	<0.10
FEB											
04...	20	6.2	0.92	19	1.3	21	0.0	17	18	18	<0.10
APR											
21...	9	2.7	0.58	4.6	0.70	7.0	0.0	5.7	4.3	5.1	<0.10
AUG											
18...	14	4.4	0.72	18	1.1	22	0.0	18	13	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 1992 TO SEPTEMBER 1993

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 TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
OCT										
21...	1.6	102	81	0.01	0.02	0.09	0.08	0.05	0.05	0.06
FEB										
04...	3.0	94	77	--	0.02	--	0.28	--	0.02	0.03
APR										
21...	2.5	47	25	--	<0.01	--	0.07	--	0.04	0.05
AUG										
18...	1.2	87	63	--	0.01	--	0.14	--	0.04	0.05

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
OCT										
21...	0.40	0.03	0.03	0.02	<0.01	130	11	<3	120	<4
FEB										
04...	<0.20	<0.01	0.02	--	<0.01	140	12	<3	97	<4
APR										
21...	0.50	0.06	0.03	--	<0.01	90	14	<3	78	<4
AUG										
18...	0.20	0.02	0.02	--	<0.01	60	8	<3	100	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
21...	54	<10	<1	<1	<1	26	<6	3	7.1	95
FEB										
04...	71	<10	<1	<1	<1	28	<6	10	25	53
APR										
21...	25	<10	<1	<1	<1	14	<6	4	75	77
AUG										
18...	37	<10	<1	<1	<1	21	<6	3	14	67

ST. CROIX RIVER BASIN

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

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	135	111	125	122	121	121	159	120	135	139	128	136
2	145	133	138	127	117	120	114	81	93	153	128	142
3	146	138	142	130	125	127	80	73	75	158	143	150
4	146	141	144	130	126	128	82	73	77	157	142	147
5	148	141	145	146	128	139	---	---	---	146	114	125
6	157	146	150	151	111	133	---	---	---	136	102	114
7	159	153	156	111	106	109	---	---	---	132	105	118
8	161	155	158	110	105	108	---	---	---	143	132	136
9	163	158	161	111	107	109	111	98	105	150	131	139
10	162	157	159	120	107	112	115	87	102	141	123	129
11	159	148	152	146	120	132	105	87	94	145	127	136
12	156	119	132	165	147	154	126	106	117	152	143	146
13	147	131	139	163	131	145	126	121	123	156	148	153
14	143	114	124	145	116	125	---	---	---	157	148	152
15	138	118	130	118	111	113	---	---	---	166	156	159
16	142	137	139	113	107	109	---	---	---	163	143	147
17	144	140	142	120	111	115	---	---	---	156	146	153
18	145	139	142	115	99	105	124	118	122	151	144	146
19	159	141	152	100	83	90	124	118	121	173	150	160
20	173	158	164	94	84	89	122	111	116	173	162	167
21	173	166	169	98	94	97	122	110	113	177	162	168
22	173	155	169	124	96	105	119	113	117	175	157	163
23	164	148	154	138	124	132	120	113	118	173	157	164
24	169	166	167	124	105	111	125	120	122	163	150	155
25	167	154	162	117	110	113	145	120	133	166	145	152
26	154	149	152	133	119	127	141	127	132	150	133	144
27	153	142	147	137	127	133	145	133	138	161	147	153
28	148	118	129	131	122	126	143	134	138	162	141	149
29	120	108	112	133	124	129	140	132	134	174	140	159
30	112	108	110	144	122	134	137	126	131	191	173	181
31	120	110	115	---	---	---	140	137	139	195	177	188
MONTH	173	108	145	165	83	120	159	73	117	195	102	149

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	177	163	168	174	168	170	87	84	85	65	63	64
2	167	156	159	178	166	172	88	85	86	68	65	67
3	167	154	160	179	170	173	90	87	89	70	68	69
4	171	148	157	177	169	172	92	89	90	77	70	72
5	160	117	128	181	172	177	93	87	92	79	71	77
6	165	129	148	175	167	173	87	84	85	76	70	73
7	173	164	167	179	165	168	86	83	84	78	75	76
8	185	170	175	185	163	169	84	81	83	88	77	81
9	187	156	172	173	166	169	84	80	81	88	83	85
10	199	187	194	180	168	171	82	78	79	83	82	83
11	198	195	197	168	163	165	78	61	73	87	81	83
12	196	190	193	163	161	162	---	---	---	90	79	82
13	200	186	193	172	163	167	---	---	---	85	81	83
14	218	180	192	171	159	164	---	---	---	85	82	83
15	202	193	197	169	150	157	---	---	---	84	81	83
16	200	188	193	169	158	165	---	---	---	83	81	82
17	191	171	184	163	154	158	---	---	---	85	82	84
18	188	169	181	170	154	160	---	---	---	85	83	84
19	188	182	184	186	157	167	---	---	---	95	83	86
20	188	177	181	160	152	156	---	---	---	95	84	89
21	186	178	181	160	152	156	---	---	---	97	84	89
22	185	178	181	160	153	156	54	48	52	85	84	84
23	181	165	173	166	155	157	49	48	49	89	84	87
24	224	168	180	171	150	162	48	45	46	89	86	88
25	176	173	174	159	154	156	---	---	---	92	87	90
26	176	165	170	161	122	138	---	---	---	91	86	88
27	165	158	161	132	118	126	---	---	---	99	86	91
28	168	158	160	119	112	115	51	48	49	106	93	99
29	---	---	---	113	93	97	57	48	51	143	106	126
30	---	---	---	94	86	90	63	57	60	155	93	113
31	---	---	---	89	85	87	---	---	---	96	92	94
MONTH	224	117	175	186	85	154	93	45	73	155	63	85

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

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	103	94	96	144	130	138	170	162	166	193	189	191
2	134	99	114	130	107	116	181	175	178	190	169	180
3	99	86	91	127	107	120	178	170	173	176	169	172
4	96	86	91	125	109	116	176	168	173	182	176	179
5	99	83	90	117	109	114	181	172	176	181	159	167
6	121	99	110	119	111	115	184	178	181	161	154	157
7	119	113	115	118	114	117	182	176	179	158	154	156
8	113	90	100	123	114	118	177	173	176	156	119	135
9	94	91	93	155	116	142	176	166	173	126	119	123
10	112	94	108	171	154	163	170	164	167	119	115	117
11	138	98	114	169	130	151	172	167	169	121	107	114
12	118	99	112	132	123	126	175	168	171	119	108	114
13	110	99	102	130	123	127	184	175	181	116	105	112
14	103	94	99	135	123	127	184	180	181	109	102	105
15	103	96	100	143	122	130	180	150	167	124	109	116
16	143	102	127	165	138	154	157	146	151	126	116	121
17	146	136	140	151	135	138	147	130	136	123	117	120
18	161	140	151	173	148	164	131	117	125	130	117	121
19	158	104	119	179	168	174	117	107	111	128	119	122
20	142	127	136	168	157	161	134	107	114	129	116	121
21	161	133	150	162	154	161	134	127	131	155	124	138
22	162	142	155	161	149	156	150	124	135	168	150	158
23	142	124	130	167	155	162	164	150	159	175	163	167
24	137	130	135	166	159	161	170	161	166	175	160	164
25	144	134	139	185	159	175	170	160	166	165	157	160
26	146	137	141	196	184	193	177	168	172	164	154	159
27	141	129	135	198	192	195	180	175	177	173	163	169
28	134	127	130	200	192	196	186	177	181	169	144	163
29	146	130	139	198	190	193	189	181	185	144	125	130
30	142	132	138	193	186	189	192	186	189	135	113	127
31	---	---	---	186	163	176	193	188	191	---	---	---
MONTH	162	83	120	200	107	151	193	107	165	193	102	143
YEAR	224	45	135									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.3	7.3	7.3	7.3	7.2	7.3	7.2	7.1	7.1	6.9	6.8	6.9
2	7.4	7.3	7.3	7.3	7.3	7.3	7.2	7.0	7.1	6.9	6.9	6.9
3	7.3	7.3	7.3	7.3	7.2	7.2	7.0	7.0	7.0	6.9	6.9	6.9
4	7.3	7.3	7.3	7.2	7.1	7.2	7.1	7.0	7.1	7.0	6.9	6.9
5	7.3	7.3	7.3	7.2	7.1	7.2	---	---	---	7.0	6.8	6.9
6	7.4	7.3	7.3	7.3	7.2	7.2	---	---	---	6.9	6.7	6.8
7	7.4	7.3	7.3	7.2	7.2	7.2	---	---	---	6.8	6.7	6.7
8	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---	6.9	6.8	6.8
9	7.3	7.2	7.3	7.2	7.2	7.2	7.2	7.1	7.2	6.9	6.8	6.9
10	7.3	7.2	7.3	7.2	7.1	7.2	7.2	7.1	7.1	6.9	6.8	6.8
11	7.2	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.1	6.9	6.9	6.9
12	7.2	6.9	7.1	7.2	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.9
13	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.2	7.2	7.0	7.0	7.0
14	7.2	7.1	7.1	7.1	7.1	7.1	---	---	---	7.0	7.0	7.0
15	7.2	7.1	7.2	7.1	7.1	7.1	---	---	---	7.1	7.0	7.0
16	7.2	7.1	7.2	7.2	7.1	7.1	---	---	---	7.0	6.9	7.0
17	7.3	7.2	7.2	7.2	7.1	7.1	---	---	---	7.0	6.9	7.0
18	7.3	7.2	7.3	7.2	7.1	7.2	6.8	6.8	6.8	7.0	6.9	6.9
19	7.2	7.2	7.2	7.2	7.1	7.1	6.8	6.7	6.7	7.0	7.0	7.0
20	7.3	7.2	7.2	7.1	7.1	7.1	6.8	6.7	6.7	7.1	7.0	7.0
21	7.3	7.2	7.2	7.1	7.1	7.1	6.8	6.7	6.9	7.1	7.0	7.1
22	7.3	7.2	7.2	7.1	7.0	7.0	6.8	6.7	6.7	7.1	7.0	7.0
23	7.2	7.2	7.2	7.2	7.1	7.1	6.8	6.7	6.8	7.2	7.1	7.1
24	7.2	7.2	7.2	7.2	7.1	7.1	7.0	6.8	6.9	7.1	7.0	7.0
25	7.2	7.1	7.2	7.2	7.1	7.1	7.0	6.8	6.8	7.1	7.0	7.1
26	7.2	7.0	7.1	7.1	7.1	7.1	6.8	6.7	6.8	7.1	6.9	7.0
27	7.3	7.2	7.2	7.1	7.1	7.1	6.8	6.8	6.8	7.0	6.9	7.0
28	7.3	7.2	7.2	7.1	7.1	7.1	6.8	6.7	6.7	7.0	6.9	7.0
29	7.2	7.1	7.2	7.2	7.1	7.1	6.8	6.7	6.7	7.1	6.9	7.0
30	7.3	7.2	7.2	7.2	7.1	7.1	6.8	6.7	6.7	7.2	7.1	7.2
31	7.3	7.2	7.2	---	---	---	6.8	6.8	6.8	7.2	7.1	7.2
MONTH	7.4	6.9	7.2	7.3	7.0	7.1	7.2	6.7	6.9	7.2	6.7	7.0

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	.0	.0	.0	.0	.0	.0	1.5	.5	1.0	12.0	9.0	10.5
2	.0	.0	.0	.0	.0	.0	1.0	.5	.5	13.0	10.0	11.5
3	.0	.0	.0	.5	.0	.5	1.0	.5	1.0	13.5	10.5	12.0
4	.5	.0	.0	.5	.5	.5	2.5	.5	1.5	13.5	11.0	12.0
5	.0	.0	.0	1.0	.0	.5	2.5	1.0	2.0	15.5	12.0	13.5
6	.0	.0	.0	.0	.0	.0	3.0	1.0	2.0	15.0	13.5	14.5
7	.0	.0	.0	.0	.0	.0	3.5	1.0	2.0	15.5	13.5	14.5
8	.0	.0	.0	.5	.0	.0	3.0	1.0	2.0	17.0	14.0	15.5
9	.0	.0	.0	1.0	.5	.5	3.5	1.5	2.5	17.0	15.0	16.0
10	.0	.0	.0	1.0	.5	1.0	3.0	1.5	2.5	16.5	14.5	15.5
11	.5	.0	.0	1.5	1.0	1.0	3.0	2.0	2.5	15.5	14.0	14.5
12	.0	.0	.0	1.0	.5	1.0	---	---	---	14.0	13.5	14.0
13	.0	.0	.0	.5	.5	.5	---	---	---	14.0	13.0	13.5
14	.5	.0	.5	.5	.0	.0	---	---	---	16.0	12.5	14.0
15	.5	.5	.5	.0	.0	.0	---	---	---	16.5	13.5	15.0
16	.5	.0	.5	.5	.0	.0	---	---	---	16.5	14.0	15.0
17	.0	.0	.0	.5	.0	.5	---	---	---	16.5	14.5	15.5
18	.0	.0	.0	.5	.0	.5	---	---	---	17.0	14.0	15.5
19	.5	.0	.0	.5	.0	.0	---	---	---	16.5	15.0	15.5
20	.0	.0	.0	.5	.0	.5	---	---	---	16.0	15.0	15.5
21	.0	.0	.0	1.0	.5	1.0	---	---	---	15.5	15.0	15.0
22	.0	.0	.0	1.5	1.0	1.0	8.0	6.5	7.5	16.5	14.5	15.5
23	.0	.0	.0	1.5	1.5	1.5	7.0	6.5	6.5	17.0	15.0	16.0
24	.0	.0	.0	2.0	1.5	2.0	7.5	6.0	6.5	17.5	15.5	16.5
25	.0	.0	.0	2.5	1.5	2.0	---	---	---	17.0	15.5	16.0
26	.0	.0	.0	2.5	1.5	2.0	---	---	---	18.0	15.5	17.0
27	.0	.0	.0	3.0	1.5	2.5	---	---	---	18.0	16.0	17.0
28	.0	.0	.0	3.0	1.5	2.5	8.5	5.5	7.0	18.0	16.0	17.0
29	---	---	---	2.5	1.0	2.0	9.5	6.5	8.0	18.0	15.5	17.0
30	---	---	---	2.0	1.5	2.0	10.5	8.0	9.0	15.5	15.0	15.0
31	---	---	---	2.5	1.0	1.5	---	---	---	16.5	14.5	15.5
MONTH	.5	.0	.0	3.0	.0	1.0	10.5	.5	4.0	18.0	9.0	15.0

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	16.0	13.5	14.5	24.0	22.0	23.0	22.5	20.5	21.5	22.0	21.5	21.5
2	15.5	13.0	14.0	24.0	22.5	23.0	24.0	22.5	23.0	22.0	21.0	21.5
3	16.5	14.0	15.0	23.5	21.0	22.0	24.0	22.5	23.5	21.5	20.5	21.0
4	16.5	14.5	15.5	23.5	21.0	22.0	24.0	23.0	23.5	21.5	20.5	21.0
5	17.5	14.5	16.0	24.0	22.5	23.0	24.5	22.5	23.5	22.0	21.0	21.5
6	17.5	14.5	15.5	24.0	22.5	23.5	24.5	23.5	24.0	22.5	22.0	22.0
7	14.5	13.5	14.0	24.5	23.0	23.5	24.0	23.0	23.5	22.5	21.5	22.0
8	16.5	13.5	14.5	25.0	23.5	24.5	24.5	23.0	23.5	21.5	21.0	21.0
9	17.5	15.0	16.0	26.5	25.0	26.0	24.5	23.0	23.5	21.5	20.5	21.0
10	17.5	15.5	16.5	26.0	24.5	25.5	24.5	23.5	24.0	21.0	20.0	20.5
11	18.0	16.0	17.0	25.5	24.5	25.0	24.0	23.0	23.5	20.5	19.5	20.0
12	19.0	17.0	18.0	25.5	24.5	25.0	24.0	22.5	23.0	19.5	18.0	19.0
13	20.0	17.0	18.0	26.0	24.0	25.0	24.5	23.0	23.5	20.0	18.5	19.5
14	21.5	17.5	19.5	26.5	24.5	25.5	24.5	23.5	24.0	21.0	19.5	20.0
15	22.0	19.5	20.5	26.5	25.0	25.5	24.5	23.5	24.0	21.5	20.5	21.0
16	22.0	20.5	21.5	25.0	24.0	24.5	24.5	23.5	24.0	21.5	19.5	20.0
17	22.5	20.5	21.5	24.0	23.0	23.5	24.0	23.0	23.5	19.5	18.5	19.0
18	22.5	21.5	22.0	24.0	22.5	23.0	23.5	22.5	23.0	19.0	18.5	19.0
19	21.5	20.5	21.0	24.0	23.5	23.5	24.0	22.5	23.0	19.0	18.0	18.5
20	22.5	21.0	21.5	23.5	22.0	23.0	24.0	23.0	23.0	18.0	16.5	17.0
21	23.0	20.0	22.0	23.5	21.5	22.5	23.0	22.5	23.0	17.0	16.0	16.5
22	21.5	20.0	21.0	23.5	22.5	23.0	23.0	21.5	22.5	17.0	16.0	16.5
23	21.5	18.0	19.5	22.5	22.0	22.0	23.0	22.0	22.5	17.0	16.5	16.5
24	19.5	17.5	18.0	23.0	22.0	22.5	23.0	22.0	22.5	17.0	16.5	16.5
25	21.0	19.5	20.0	23.0	22.0	23.0	23.0	21.5	22.5	16.5	15.5	16.0
26	21.5	20.5	21.0	23.0	21.5	22.0	25.0	23.0	24.0	16.5	15.0	16.0
27	22.0	21.5	22.0	22.5	20.0	22.0	25.5	24.5	25.0	16.5	15.0	15.5
28	22.0	21.5	22.0	20.0	19.5	20.0	25.5	24.5	25.0	18.0	16.5	17.5
29	23.0	22.0	22.5	21.0	20.0	20.5	24.5	23.0	23.5	17.5	16.0	16.5
30	23.0	22.5	22.5	21.0	20.5	20.5	23.5	22.0	23.0	16.0	15.0	15.5
31	---	---	---	21.0	20.5	20.5	23.0	22.0	22.5	---	---	---
MONTH	23.0	13.0	18.5	26.5	19.5	23.0	25.5	20.5	23.5	22.5	15.0	19.0
YEAR	26.5	.0	10.5									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.1	8.9	9.0	10.9	10.4	10.6	11.4	11.1	11.2	12.5	12.3	12.4
2	9.1	8.9	9.0	11.0	10.7	10.8	11.6	11.3	11.5	12.8	12.5	12.7
3	9.0	8.7	8.9	10.9	10.7	10.9	11.7	11.5	11.6	13.1	12.8	13.0
4	9.2	8.9	9.0	11.0	10.5	10.7	11.9	11.6	11.7	13.0	12.6	12.8
5	9.4	9.2	9.3	10.7	10.4	10.5	---	---	---	12.6	12.4	12.5
6	9.5	9.3	9.4	10.9	10.6	10.7	---	---	---	12.8	12.5	12.7
7	9.5	9.2	9.4	11.1	10.8	11.0	---	---	---	12.8	12.6	12.7
8	9.5	9.0	9.3	11.4	11.0	11.2	---	---	---	12.8	12.6	12.7
9	9.4	8.9	9.2	11.6	11.2	11.4	---	---	---	13.1	12.7	12.9
10	9.2	8.8	9.1	11.6	11.4	11.5	---	---	---	13.2	12.9	13.1
11	9.1	8.8	8.9	11.6	11.3	11.4	---	---	---	13.2	13.0	13.1
12	8.9	8.4	8.7	11.4	11.1	11.2	---	---	---	13.0	12.9	13.0
13	9.2	8.7	8.9	11.4	10.7	11.1	---	---	---	13.0	12.9	12.9
14	9.5	9.1	9.2	11.3	10.6	11.0	---	---	---	13.0	12.9	13.0
15	9.5	9.2	9.4	11.3	11.1	11.2	---	---	---	13.1	13.0	13.1
16	9.5	9.1	9.3	11.6	11.2	11.4	---	---	---	13.0	12.5	12.6
17	9.5	9.2	9.3	11.7	11.3	11.5	---	---	---	12.6	12.4	12.5
18	9.6	9.4	9.5	11.8	11.4	11.6	12.9	12.8	12.8	12.7	12.3	12.5
19	9.7	9.5	9.6	12.0	11.7	11.8	13.0	12.6	12.8	12.9	12.7	12.8
20	9.9	9.6	9.7	12.1	11.8	11.9	13.1	12.6	12.9	13.1	12.7	12.9
21	9.9	9.6	9.8	11.9	11.7	11.8	12.9	12.7	12.8	12.7	12.6	12.6
22	9.9	9.7	9.8	11.7	11.5	11.6	13.0	12.6	12.8	12.7	12.4	12.5
23	9.9	9.6	9.8	11.6	11.4	11.5	12.8	12.6	12.7	12.6	12.2	12.4
24	9.9	9.4	9.7	11.8	11.6	11.7	13.0	12.5	12.7	12.5	12.3	12.3
25	9.5	9.2	9.3	11.8	11.6	11.7	13.0	12.7	12.8	12.6	12.3	12.4
26	9.4	9.0	9.2	11.6	11.5	11.6	12.8	12.3	12.5	12.6	12.4	12.5
27	10.1	9.4	9.7	11.5	11.3	11.4	12.6	12.3	12.5	12.6	12.2	12.4
28	10.4	9.8	10.1	11.4	11.2	11.3	12.7	12.5	12.6	12.2	12.0	12.0
29	10.4	9.8	10.2	11.4	11.3	11.3	12.6	12.4	12.5	12.3	12.1	12.2
30	10.4	10.1	10.3	11.4	11.1	11.2	12.5	12.3	12.4	12.4	12.3	12.3
31	10.7	10.2	10.4	---	---	---	12.6	12.4	12.5	12.8	12.3	12.6
MONTH	10.7	8.4	9.4	12.1	10.4	11.3	13.1	11.1	12.4	13.2	12.0	12.6

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. 19, 20, Dec. 6-8, 25, 26, Jan. 3, 9-22, Jan. 27 to Feb. 13, Feb. 18 to Mar. 4, Mar. 6-8, 14-17, and 19. Records good except for periods of ice effect, Nov. 19, 20, Dec. 6-8, 25, 26, Jan. 3, 9-22, Jan. 27 to Feb. 13, Feb. 18 to Mar. 4, Mar. 6-8, 14-17, and 19, 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. Telephone and satellite gage-height telemeters 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, 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)
Apr. 12	0715	*1670	*5.89	No other peaks greater than base discharge			

Minimum discharge, 41 ft³/s, Aug. 29 to Sep. 1, gage height, 0.76 ft.

**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	62	115	150	123	e76	e96	521	283	159	154	56	44
2	56	106	150	104	e75	e95	352	265	264	179	55	46
3	54	99	145	e93	e74	e96	278	245	232	189	54	49
4	53	103	139	97	e73	e99	230	230	184	194	53	60
5	51	131	129	190	e73	103	230	222	154	190	55	58
6	50	153	e98	382	e73	e101	260	219	143	183	55	55
7	49	156	e104	317	e73	e101	314	220	286	192	54	55
8	48	136	e99	228	e74	e102	382	216	283	177	53	54
9	48	119	94	e155	e74	101	415	204	213	174	52	54
10	52	106	89	e112	e74	96	470	190	171	172	51	56
11	136	100	90	e87	e73	93	686	185	153	170	50	61
12	204	109	92	e79	e74	93	1520	196	139	169	50	57
13	172	251	92	e76	e97	91	1100	241	128	164	50	54
14	135	407	93	e72	157	e84	707	281	121	162	50	53
15	115	313	91	e71	144	e80	453	237	114	159	49	51
16	106	229	89	e70	123	e79	354	205	108	138	49	51
17	98	177	102	e70	170	e101	349	188	105	119	49	50
18	90	152	251	e69	e213	189	574	176	104	113	48	51
19	85	e129	267	e68	e185	e178	478	166	134	110	48	50
20	84	e114	254	e67	e161	175	374	163	161	91	47	49
21	81	115	263	e67	e139	156	328	177	161	77	47	48
22	102	127	204	e70	e123	158	341	176	178	67	46	48
23	138	176	176	178	e113	156	620	165	215	63	45	47
24	133	250	146	227	e108	148	613	154	197	62	45	48
25	196	214	e84	287	e105	149	464	148	176	61	44	47
26	263	182	e121	242	e102	161	363	147	165	59	44	48
27	234	249	95	e172	e101	229	336	140	160	57	44	55
28	187	244	94	e120	e99	331	326	133	155	58	43	129
29	153	195	100	e99	---	439	329	131	152	57	42	129
30	138	167	112	e84	---	559	304	151	151	57	41	79
31	127	---	117	e77	---	622	---	161	---	57	41	---
TOTAL	3500	5124	4130	4153	3026	5261	14071	6015	5066	3864	1510	1736
MEAN	113	171	133	134	108	170	469	194	169	125	48.7	57.9
MAX	263	407	267	382	213	622	1520	283	286	194	56	129
MIN	48	99	84	67	73	79	230	131	104	57	41	44
CFSM	1.22	1.84	1.43	1.44	1.16	1.83	5.05	2.09	1.82	1.34	.52	.62
IN.	1.40	2.05	1.65	1.66	1.21	2.11	5.63	2.41	2.03	1.55	.60	.70

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	116	197	218	190	191	251	448	278	169	96.9	74.1	79.6
MAX	317	505	508	457	548	599	737	732	382	203	205	201
(WY)	1978	1964	1974	1958	1976	1979	1969	1972	1977	1984	1991	1981
MIN	11.7	50.5	48.5	42.3	79.7	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

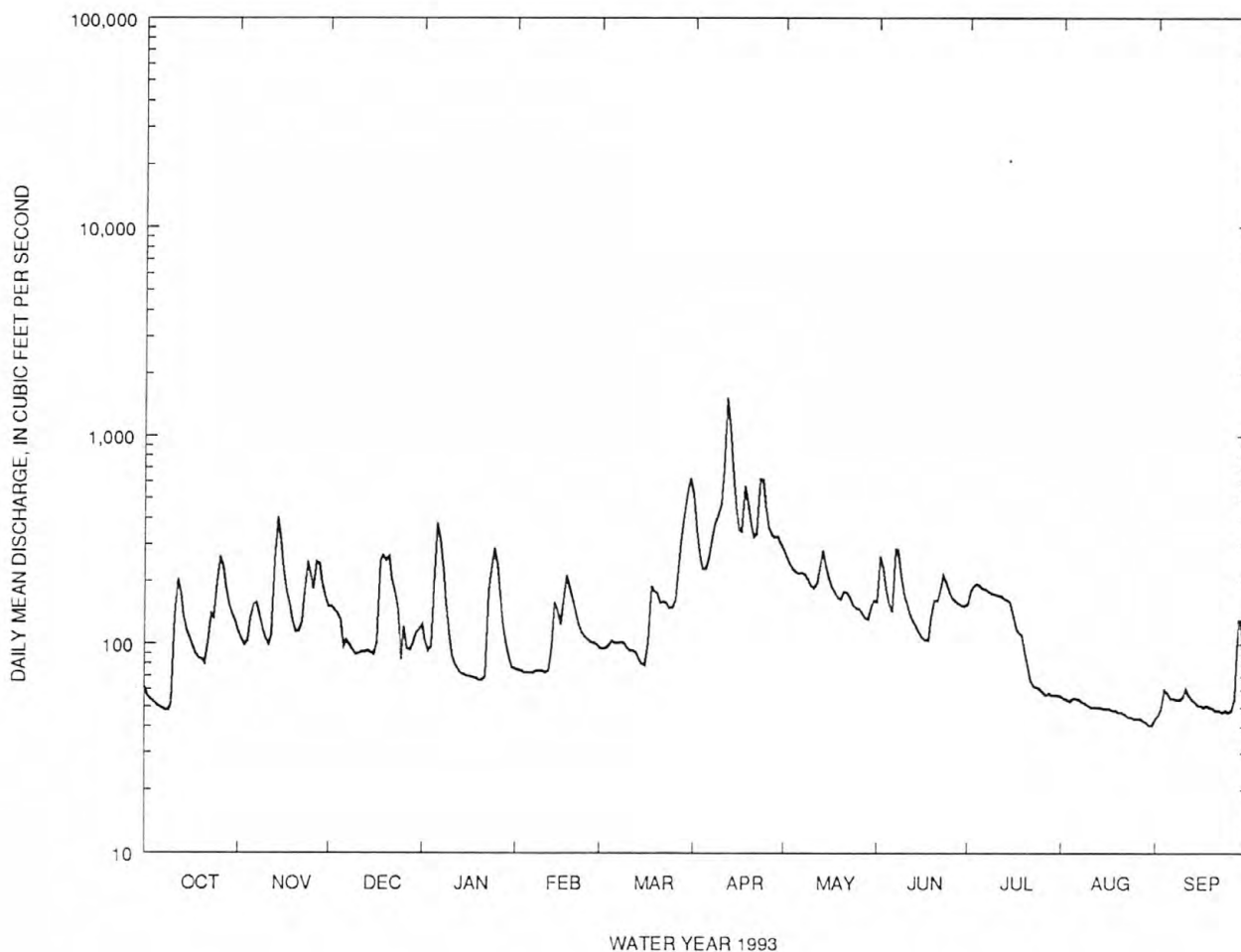
SUMMARY STATISTICS

FOR 1992 CALENDAR YEAR

FOR 1993 WATER YEAR

WATER YEARS 1956 - 1993

ANNUAL TOTAL	61637	57456	
ANNUAL MEAN	168	157	192
HIGHEST ANNUAL MEAN			292
LOWEST ANNUAL MEAN			96.0
HIGHEST DAILY MEAN	935	Jan 6	1520
LOWEST DAILY MEAN	48	Oct 8	41
ANNUAL SEVEN-DAY MINIMUM	50	Oct 4	43
INSTANTANEOUS PEAK FLOW			1670
INSTANTANEOUS PEAK STAGE			5.89
INSTANTANEOUS LOW FLOW			41
ANNUAL RUNOFF (CFSM)	1.81	1.69	2.07
ANNUAL RUNOFF (INCHES)	24.68	23.01	28.09
10 PERCENT EXCEEDS	302	284	418
50 PERCENT EXCEEDS	134	123	131
90 PERCENT EXCEEDS	70	50	43



01022294 (revised) 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. 30 to Jan. 2. Records, including period of missing gage-height record, Dec. 30 to Jan. 2, 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9.91 ft³/s, Mar. 27, 1988, gage height, 6.39 ft; no flow for several days in 1988-93.

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)
Apr 12	0140	*8.06	*6.28			No other peak greater than base discharge.	

No flow Oct. 6-9, July 6 to Sep. 30.

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	.001	.061	.081	e.10	.038	.028	.28	.11	.10	.002	.000	.000
2	.002	.055	.070	e.052	.036	.027	.16	.093	.14	.001	.000	.000
3	.001	.060	.063	.032	.032	.027	.12	.079	.083	.001	.000	.000
4	.001	.11	.060	.043	.032	.027	.11	.076	.060	.002	.000	.000
5	.001	.21	.059	.62	.032	.027	.12	.069	.046	.001	.000	.000
6	.000	.18	.049	.33	.029	.027	.18	.075	.063	.000	.000	.000
7	.000	.14	.045	.16	.027	.024	.32	.071	.16	.000	.000	.000
8	.000	.10	.040	.12	.027	.022	.39	.062	.097	.000	.000	.000
9	.000	.081	.032	.081	.023	.022	.44	.057	.065	.000	.000	.000
10	.009	.066	.032	.053	.022	.022	.52	.052	.060	.000	.000	.000
11	.12	.078	.031	.045	.022	.022	3.16	.056	.057	.000	.000	.000
12	.097	.11	.027	.039	.020	.022	2.17	.054	.044	.000	.000	.000
13	.069	.51	.027	.034	.040	.021	.46	.11	.034	.000	.000	.000
14	.048	.27	.027	.032	.040	.020	.28	.087	.027	.000	.000	.000
15	.034	.16	.027	.037	.028	.018	.20	.065	.018	.000	.000	.000
16	.032	.11	.029	.038	.025	.018	.16	.064	.015	.000	.000	.000
17	.034	.093	.11	.037	.19	.085	.48	.057	.013	.000	.000	.000
18	.031	.077	.28	.031	.099	.094	.65	.049	.012	.000	.000	.000
19	.027	.064	.13	.026	.064	.054	.27	.045	.013	.000	.000	.000
20	.025	.060	.21	.022	.053	.042	.19	.048	.011	.000	.000	.000
21	.029	.058	.17	.022	.041	.034	.15	.064	.013	.000	.000	.000
22	.091	.087	.11	.035	.040	.035	.47	.055	.022	.000	.000	.000
23	.070	.12	.087	.17	.039	.035	.87	.042	.029	.000	.000	.000
24	.071	.13	.069	.10	.038	.034	.41	.036	.018	.000	.000	.000
25	.71	.10	.055	.35	.032	.038	.22	.053	.010	.000	.000	.000
26	.70	.12	.052	.15	.032	.16	.17	.049	.006	.000	.000	.000
27	.23	.25	.045	.099	.032	.51	.17	.039	.005	.000	.000	.000
28	.14	.15	.040	.079	.032	1.02	.17	.033	.005	.000	.000	.000
29	.10	.11	.049	.062	---	.93	.15	.032	.006	.000	.000	.000
30	.084	.095	e.045	.052	---	.73	.12	.031	.004	.000	.000	.000
31	.071	---	e.069	.036	---	.48	---	.027	---	.000	.000	---
TOTAL	2.828	3.815	2.220	3.087	1.165	4.655	13.56	1.840	1.236	0.007	0.000	0.000
MEAN	.091	.13	.072	.10	.042	.15	.45	.059	.041	.000	.000	.000
MAX	.71	.51	.28	.62	.19	1.02	3.16	.11	.16	.002	.000	.000
MIN	.000	.055	.027	.022	.020	.018	.11	.027	.004	.000	.000	.000

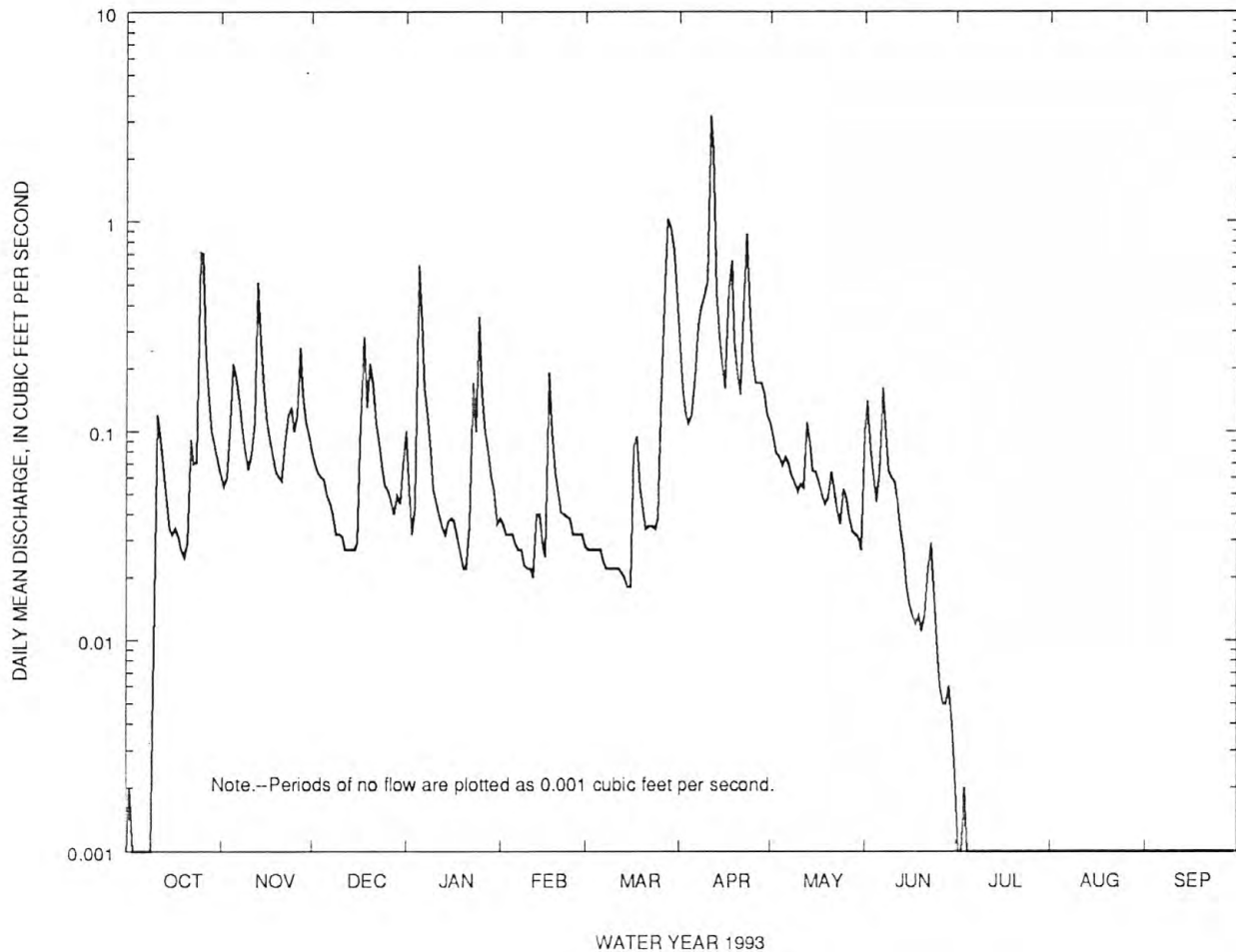
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01022294 (revised) EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.12	.20	.10	.099	.058	.20	.25	.18	.049	.007	.007	.017
MAX	.16	.31	.29	.16	.12	.32	.45	.49	.10	.036	.019	.062
(WY)	1992	1990	1991	1990	1990	1991	1993	1989	1989	1992	1992	1991
MIN	.074	.13	.032	.019	.035	.11	.16	.059	.009	.000	.000	.000
(WY)	1990	1993	1990	1989	1992	1989	1988	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR	FOR 1993 WATER YEAR	WATER YEARS 1988 - 1993
ANNUAL TOTAL	33,250	34,413	
ANNUAL MEAN	.091	.094	.11
HIGHEST ANNUAL MEAN			.12 1990
LOWEST ANNUAL MEAN			.094 1993
HIGHEST DAILY MEAN	1.49 Jan 5	3.16 Apr 11	4.95 Mar 27 1988
LOWEST DAILY MEAN	.000 Sep 17	.000 Oct 6	.000 Jun 20 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Sep 15	.000 Jul 6	.000 Jul 13 1988
INSTANTANEOUS PEAK FLOW		8.06 Apr 12	9.91 Mar 27 1988
INSTANTANEOUS PEAK STAGE		6.28 Apr 12	6.39 Mar 27 1988
INSTANTANEOUS LOW FLOW		.000 Oct 6	.000 Jun 20 1988
10 PERCENT EXCEEDS	.18	.18	.24
50 PERCENT EXCEEDS	.044	.035	.042
90 PERCENT EXCEEDS	.004	.000	.000



01022295 (revised) 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.--Estimated daily discharges: Dec. 30 to Jan. 2. Records, including period of missing gage-height record, Dec. 30 to Jan. 2, 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.

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)
Apr.12	0040	*8.54	*6.31			No other peak greater than base discharge	

No flow Aug. 27-28 and Aug. 30 to Sep. 1.

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	.006	.067	.089	e.069	.038	.039	.25	.12	.091	.010	.004	.000
2	.009	.060	.085	e.052	.032	.038	.16	.10	.13	.008	.005	.001
3	.010	.065	.078	.039	.032	.038	.13	.095	.074	.009	.005	.002
4	.009	.094	.069	.038	.032	.038	.11	.089	.056	.010	.005	.002
5	.008	.18	.064	.49	.032	.038	.12	.089	.043	.008	.007	.002
6	.007	.17	.060	.34	.032	.038	.16	.089	.059	.008	.005	.001
7	.006	.14	.060	.17	.029	.034	.27	.082	.15	.007	.004	.001
8	.007	.10	.054	.12	.027	.032	.35	.079	.083	.005	.003	.001
9	.006	.085	.045	.089	.027	.032	.40	.079	.060	.004	.002	.001
10	.018	.071	.041	.061	.027	.032	.50	.079	.045	.004	.003	.002
11	.094	.076	.038	.052	.027	.032	3.19	.079	.037	.003	.003	.002
12	.088	.088	.034	.052	.027	.032	2.39	.076	.038	.002	.002	.001
13	.073	.45	.032	.046	.044	.032	.53	.13	.031	.002	.003	.001
14	.053	.28	.032	.045	.044	.032	.30	.11	.027	.002	.003	.001
15	.041	.16	.032	.051	.032	.032	.22	.094	.022	.002	.002	.001
16	.034	.12	.033	.045	.030	.032	.19	.086	.018	.002	.002	.001
17	.032	.10	.098	.045	.18	.081	.50	.073	.016	.003	.002	.001
18	.030	.094	.23	.045	.094	.091	.65	.061	.015	.002	.002	.001
19	.031	.083	.12	.039	.064	.056	.29	.060	.017	.002	.002	.001
20	.037	.074	.18	.032	.056	.048	.21	.058	.016	.005	.002	.001
21	.032	.073	.15	.032	.051	.045	.18	.069	.018	.007	.004	.001
22	.083	.089	.096	.048	.048	.035	.51	.057	.022	.004	.002	.001
23	.062	.13	.086	.16	.046	.035	.91	.052	.029	.006	.001	.001
24	.059	.13	.070	.093	.045	.032	.43	.046	.021	.006	.001	.001
25	.62	.10	.060	.30	.041	.033	.25	.048	.016	.006	.001	.001
26	.75	.11	.058	.14	.038	.12	.21	.045	.013	.003	.001	.004
27	.26	.22	.052	.097	.038	.45	.20	.043	.011	.004	.000	.018
28	.15	.15	.052	.084	.036	.94	.17	.038	.011	.008	.000	.023
29	.10	.12	.052	.068	---	.90	.16	.038	.014	.006	.001	.013
30	.090	.10	e.060	.057	---	.73	.13	.038	.011	.006	.000	.008
31	.081	---	e.060	.040	---	.46	---	.035	---	.005	.000	---
TOTAL	2.886	3.779	2.270	3.039	1.249	4.607	14.07	2.237	1.194	0.159	0.077	0.095
MEAN	.093	.13	.073	.098	.045	.15	.47	.072	.040	.005	.002	.003
MAX	.75	.45	.23	.49	.18	.94	3.19	.13	.15	.010	.007	.023
MIN	.006	.060	.032	.032	.027	.032	.11	.035	.011	.002	.000	.000

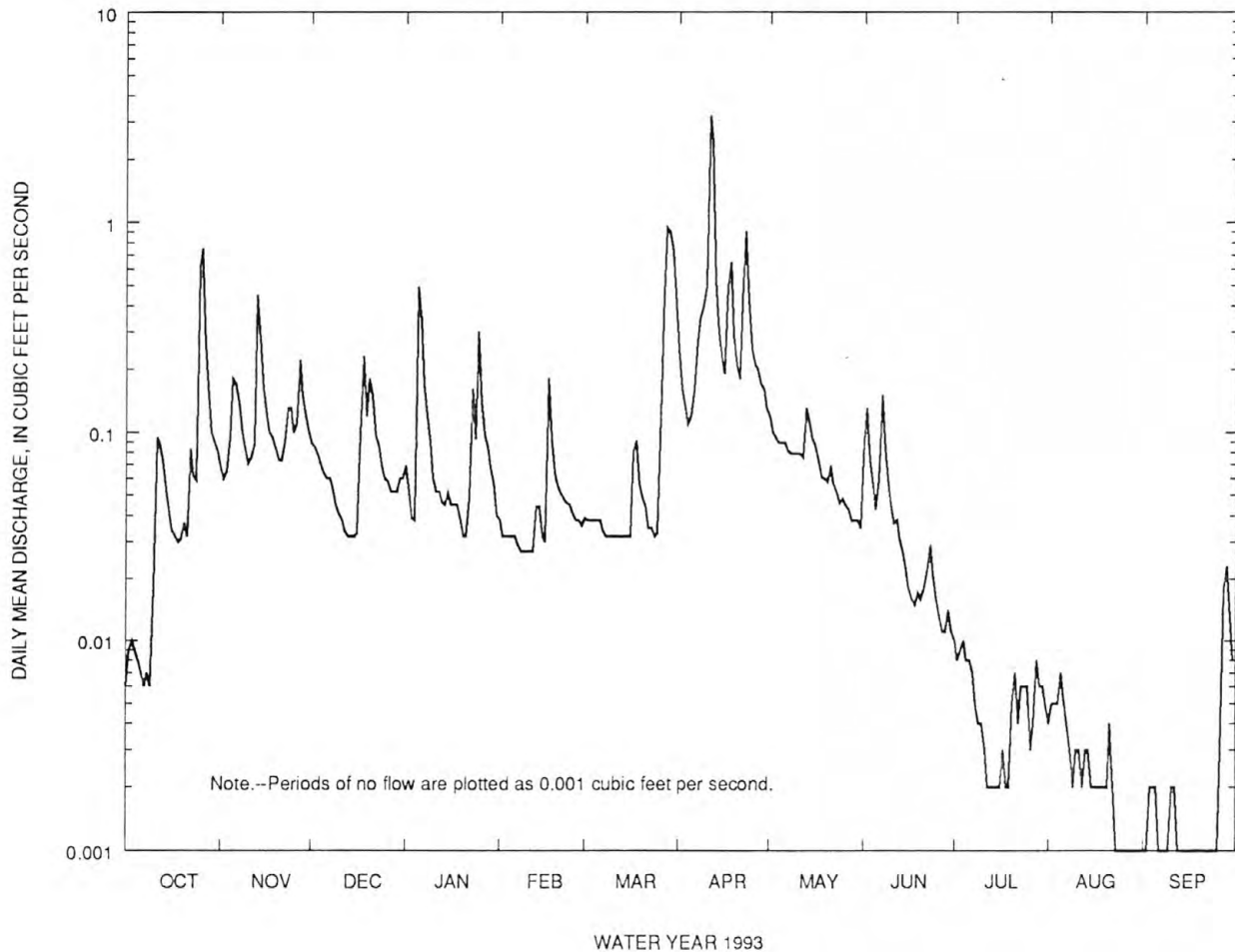
e Estimated

01022295 (revised) WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1993, BY WATER YEAR (WY)

MEAN	.11	.18	.10	.091	.056	.19	.26	.18	.058	.015	.014	.024
MAX	.15	.25	.30	.16	.088	.32	.47	.51	.11	.047	.025	.073
(WY)	1991	1989	1991	1992	1990	1991	1993	1989	1989	1992	1992	1991
MIN	.081	.13	.034	.020	.040	.096	.17	.072	.017	.005	.002	.003
(WY)	1990	1993	1990	1989	1991	1989	1988	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR	FOR 1993 WATER YEAR	WATER YEARS 1988 - 1993
ANNUAL TOTAL	35.109	35.662	
ANNUAL MEAN	.096	.098	.11
HIGHEST ANNUAL MEAN			.13 1991
LOWEST ANNUAL MEAN			.098 1993
HIGHEST DAILY MEAN	1.25 Mar 28	3.19 Apr 11	4.25 Mar 27 1988
LOWEST DAILY MEAN	.002 Sep 21	.000 Aug 27	.000 Jul 16 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Sep 15	.000 Aug 26	.00 Aug 26 1993
INSTANTANEOUS PEAK FLOW		8.54 Apr 12	8.71 Mar 27 1988
INSTANTANEOUS PEAK STAGE		6.31 Apr 12	6.47 Mar 27 1988
INSTANTANEOUS LOW FLOW		.00 Aug 27	.00 Aug 1 1991
10 PERCENT EXCEEDS	.17	.18	.23
50 PERCENT EXCEEDS	.056	.041	.047
90 PERCENT EXCEEDS	.010	.002	.005



NARRAGUAGUS RIVER BASIN

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. 6, 11, 25-28, Jan. 2, 3, 9-21, Jan. 29 to Mar. 3, Mar. 7, 8, 12-21, Sep. 7, and 8. Records good except for periods of ice effect, Dec. 6, 11, 25-28, Jan. 2, 3, 9-21, Jan. 29 to Mar. 3, Mar. 7, 8, and 12-21, and period of incomplete gage height record, Sep. 7 and 8, 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)
Apr. 1	0400	2,090	11.72	Apr. 18	2100	2,060	11.69
Apr. 12	2300	*7,070	*15.58	Apr. 23	2400	2,160	11.80

Minimum discharge, 28 ft³/s, Aug. 31, gage height, 6.96 ft.

**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	66	269	355	320	e209	e205	1980	788	242	104	60	32
2	67	232	321	e264	e202	e204	1540	706	466	96	56	34
3	72	211	300	e218	e196	e193	1160	634	424	89	53	39
4	71	229	293	229	e189	195	892	581	353	89	51	53
5	65	280	279	421	e180	192	776	544	293	87	58	52
6	61	347	e231	772	e174	198	819	516	261	81	58	47
7	58	366	252	666	e168	e204	958	495	407	76	53	e46
8	57	320	207	566	e162	e204	1120	467	412	73	50	e39
9	57	277	183	e445	e156	205	1200	432	355	70	47	38
10	67	241	171	e317	e152	201	1350	397	308	68	45	41
11	202	220	e176	e243	e152	197	2320	377	276	64	44	60
12	296	241	185	e204	e150	e191	6180	379	253	61	42	53
13	291	507	183	e182	e214	e178	6470	423	221	59	41	43
14	259	890	178	e170	e341	e195	4300	484	197	58	41	39
15	224	725	167	e162	e300	e198	2710	458	176	57	45	39
16	187	589	170	e160	e248	e198	1920	418	159	55	43	37
17	160	474	192	e156	e407	e264	1580	380	152	54	40	36
18	139	397	425	e152	e570	e502	1950	343	140	53	38	39
19	124	337	481	e150	e485	e511	1960	314	142	51	39	42
20	115	282	513	e148	e391	e470	1670	301	160	54	37	37
21	109	268	552	e146	e332	e428	1330	314	152	64	38	34
22	131	289	463	155	e294	415	1220	317	166	62	37	32
23	157	351	413	426	e267	402	1950	302	174	58	35	31
24	159	457	351	447	e246	365	2090	274	166	58	33	32
25	305	424	e240	745	e236	338	1750	288	155	63	33	32
26	635	388	e258	653	e228	374	1380	323	142	63	33	35
27	652	538	e224	479	e218	558	1200	293	130	58	32	56
28	555	547	e206	372	e209	814	1160	264	119	60	31	190
29	436	466	230	e300	---	1130	1030	242	114	63	29	179
30	361	400	295	e261	---	1580	895	227	110	63	31	129
31	317	---	308	e228	---	2000	---	213	---	62	29	---
TOTAL	6455	11562	8802	10157	7076	13309	56860	12494	6825	2073	1302	1596
MEAN	208	385	284	328	253	429	1895	403	227	66.9	42.0	53.2
MAX	652	890	552	772	570	2000	6470	788	466	104	60	190
MIN	57	211	167	146	150	178	776	213	110	51	29	31
CFSM	.92	1.70	1.25	1.44	1.11	1.89	8.35	1.78	1.00	.29	.19	.23
IN.	1.06	1.89	1.44	1.66	1.16	2.18	9.32	2.05	1.12	.34	.21	.26

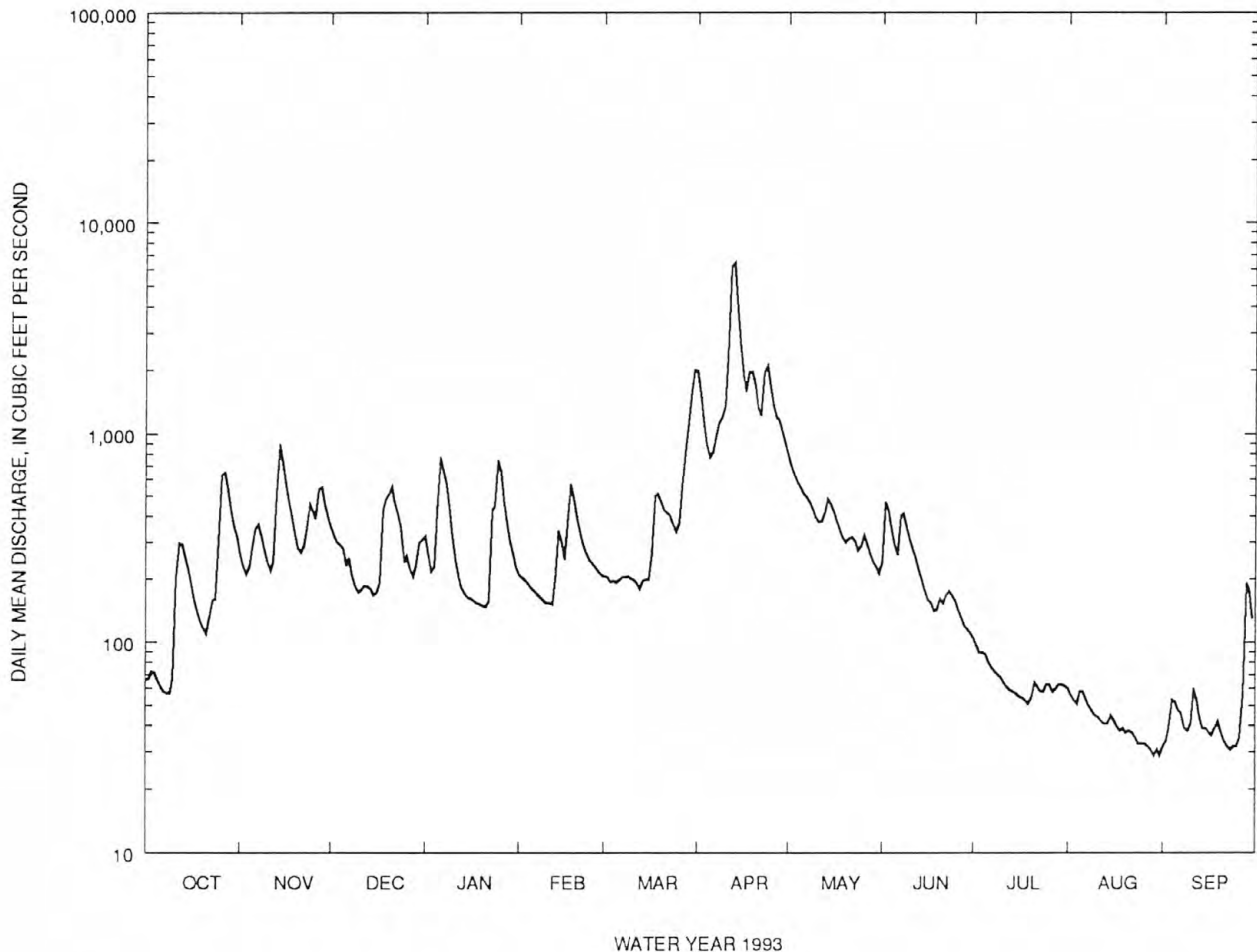
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01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	279	589	644	493	468	699	1233	686	341	185	140	169
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1948 - 1993	
ANNUAL TOTAL	139232		138511			
ANNUAL MEAN	380		379		494	
HIGHEST ANNUAL MEAN					761	
LOWEST ANNUAL MEAN					272	
HIGHEST DAILY MEAN	2720	Jan 6	6470	Apr 13	9490	May 28 1961
LOWEST DAILY MEAN	54	Sep 21	29	Aug 29	7.1	Sep 5 1978
ANNUAL SEVEN-DAY MINIMUM	61	Sep 16	31	Aug 26	22	Sep 18 1965
INSTANTANEOUS PEAK FLOW			7070	Apr 12	10400	May 28 1961
INSTANTANEOUS PEAK STAGE			15.58	Apr 12	17.40	May 28 1961
INSTANTANEOUS LOW FLOW			28	Aug 31	3.0	Sep 2 1978
ANNUAL RUNOFF (CFSM)	1.68		1.67		2.17	
ANNUAL RUNOFF (INCHES)	22.82		22.70		29.55	
10 PERCENT EXCEEDS	797		774		1140	
50 PERCENT EXCEEDS	278		214		300	
90 PERCENT EXCEEDS	86		42		76	



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: Oct. 6 to Nov. 20 and Dec. 7 to Apr. 3. Records good except for period of ice effect, Dec. 7 to Apr. 3, and period of doubtful gage-height record, Oct. 6 to Nov. 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, 29,200 ft³/s, Mar. 23, 1936, gage height, 17.34 ft present datum; minimum, 38 ft³/s, Sept. 19, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,100 ft³/s, Apr. 15, gage height, 16.16 ft; Minimum recorded discharge 131 ft³/s, Aug 17, gage height 2.06, but may have been less during period of doubtful gage-height record Oct. 6 to Nov. 20.

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	210	e2150	2800	e530	e500	e300	e2320	8660	3280	1850	226	226
2	197	e1820	2580	e510	e475	e290	e2690	7430	3940	1650	218	213
3	193	e1550	2400	e495	e455	e275	e2880	6540	4880	1470	209	214
4	191	e1470	2250	e485	e430	e270	3020	5860	5260	1370	203	221
5	190	e1360	2080	e475	e410	e265	3170	5290	4980	1310	197	216
6	e188	e1420	1640	e695	e395	e260	3350	4910	4370	1230	189	217
7	e182	e1510	e1450	e1030	e380	e260	3560	4740	3740	1120	185	231
8	e173	e1550	e1300	e1440	e365	e255	3940	4560	3240	980	185	233
9	e167	e1460	e1180	e1520	e345	e255	4630	4270	2860	857	179	226
10	e179	e1240	e1100	e1470	e325	e265	5740	3870	2510	764	165	230
11	e191	e1170	e1030	e1360	e305	e290	8310	3560	2270	684	161	246
12	e218	e1190	e976	e1240	e290	e285	15600	3490	2090	607	162	248
13	e293	e1420	e927	e1120	e285	e280	22000	4260	1940	549	156	336
14	e422	e2080	e893	e1030	e280	e275	25100	6040	1730	484	150	464
15	e486	e2470	e859	e941	e275	e270	25900	6940	1500	431	146	462
16	e477	e2450	e795	e859	e270	e265	25100	6850	1320	391	140	457
17	e435	e2180	e777	e808	e275	e260	23200	6160	1180	361	135	408
18	e413	e1840	e859	e705	e290	e300	21700	5280	1070	336	153	389
19	e377	e1520	e983	e665	e315	e320	20500	4500	989	316	146	374
20	e312	e1460	e1070	e627	e350	e329	19200	3860	914	297	142	361
21	e300	1330	e1200	e590	e400	e312	17900	3440	856	285	172	367
22	e300	1370	e1340	e552	e458	e300	16500	3190	941	271	194	353
23	e372	1480	e1300	e516	e500	e293	15900	2980	1910	273	241	326
24	e472	1880	e1110	e500	e490	e293	16100	2710	3530	272	277	302
25	e579	2090	e913	e573	e455	e305	16300	2470	4510	270	271	281
26	e1460	2070	e800	e734	e415	e315	15800	2300	4380	260	259	267
27	e2630	2320	e710	e827	e370	e395	14800	2190	3670	249	269	261
28	e3200	2850	e660	e711	e330	e490	13500	2030	2950	244	284	342
29	e3270	3060	e620	e632	---	e710	11900	1910	2430	239	274	542
30	e2970	2990	e590	e579	---	e1110	10300	2260	2080	234	253	730
31	e2550	---	e555	e541	---	e1730	---	2940	---	229	234	---
TOTAL	23597	54750	37747	24760	10433	11822	390910	135490	81320	19883	6175	9743
MEAN	761	1825	1218	799	373	381	13030	4371	2711	641	199	325
MAX	3270	3060	2800	1520	500	1730	25900	8660	5260	1850	284	730
MIN	167	1170	555	475	270	255	2320	1910	856	229	135	213
CFSM	.54	1.29	.86	.56	.26	.27	9.19	3.08	1.91	.45	.14	.23
IN.	.62	1.44	.99	.65	.27	.31	10.26	3.55	2.13	.52	.16	.26

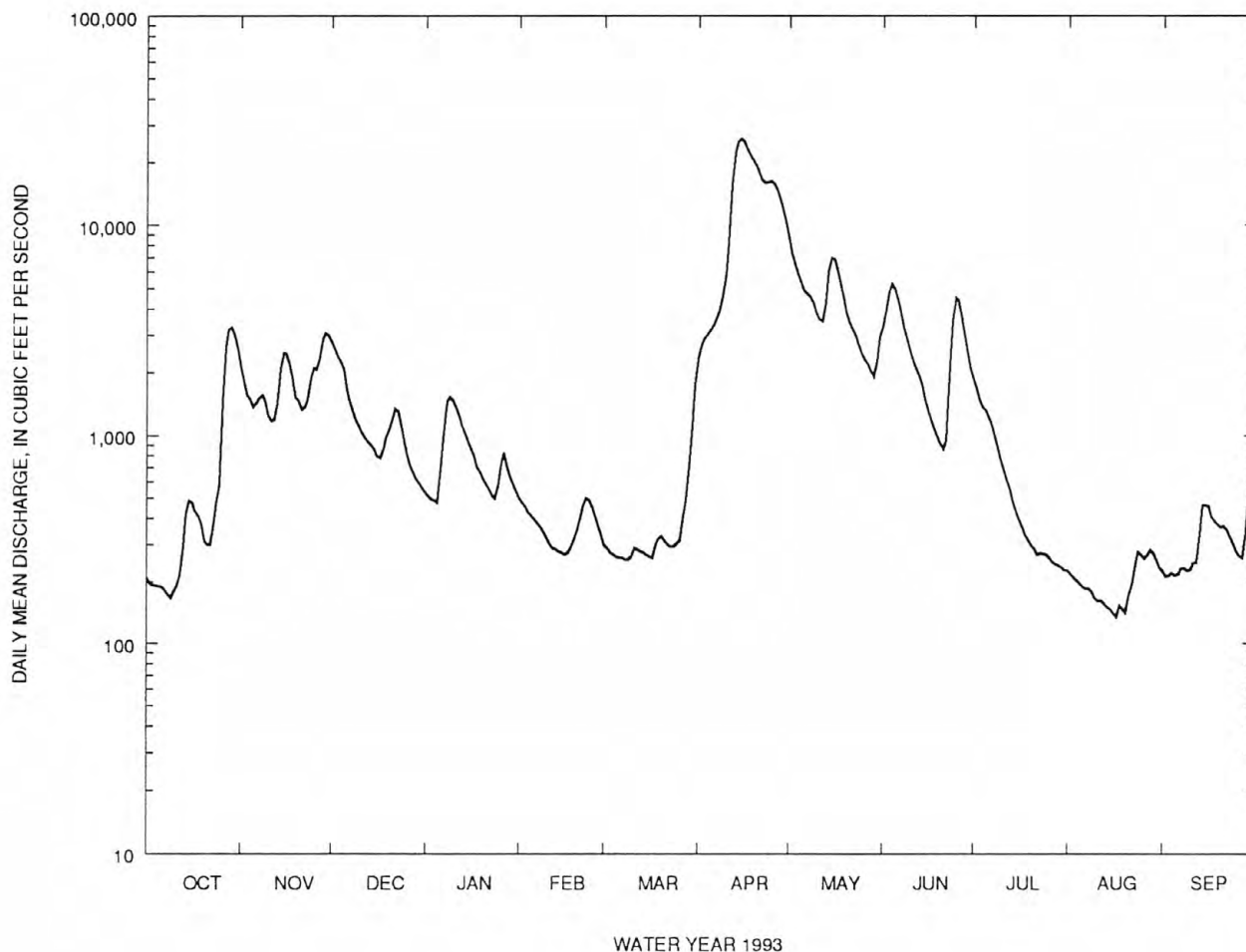
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01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1443	2762	2576	1385	1234	2027	8365	5582	2061	983	765	841
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1935 - 1993	
ANNUAL TOTAL	750130		806630			
ANNUAL MEAN	2050		2210			
HIGHEST ANNUAL MEAN					4015	1984
LOWEST ANNUAL MEAN					1307	1985
HIGHEST DAILY MEAN	10000		25900	Apr 15	29200	Mar 23 1936
LOWEST DAILY MEAN	153		135	Aug 17	39	Sep 8 1987
ANNUAL SEVEN-DAY MINIMUM	164		145	Aug 14	42	Aug 28 1978
INSTANTANEOUS PEAK FLOW			26100	Apr 15	29200	Mar 23 1936
INSTANTANEOUS PEAK STAGE			16.16	Apr 15	17.34	Mar 23 1936
INSTANTANEOUS LOW FLOW			131	Aug 17	38	Sep 19 1952
ANNUAL RUNOFF (CFSM)	1.45		1.56		1.76	
ANNUAL RUNOFF (INCHES)	19.68		21.16		23.96	
10 PERCENT EXCEEDS	5150		4670		6440	
50 PERCENT EXCEEDS	1220		705		1220	
90 PERCENT EXCEEDS	243		218		271	



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. 19-20 and Dec. 6 to Apr. 10. Records good except for periods of ice effect, Nov. 19-20 and Dec. 6 to Apr. 10, 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, 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)
Apr. 12	1845	*12,100	*12.00	Apr. 23	2030	8,260	9.58
Apr. 18	0500	8,900	10.00				

Minimum discharge, 20 ft³/s, Aug. 31, gage height, 1.55 ft.

**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	83	237	631	e118	e76	e70	e2050	1230	368	151	128	23
2	74	213	562	e111	e73	e67	e1380	1150	1530	126	114	26
3	68	203	514	e108	e71	e65	e1080	1030	1020	110	91	30
4	66	256	466	e110	e69	e64	e925	918	686	105	73	27
5	65	326	405	e145	e68	e67	e805	856	497	98	68	25
6	61	432	e375	e235	e67	e115	e763	852	396	88	61	23
7	59	465	e340	e320	e66	e130	e800	842	379	80	58	26
8	55	378	e320	e270	e66	e145	e1010	733	332	72	56	28
9	53	306	e300	e220	e65	e150	e1310	627	284	82	52	32
10	58	254	e274	e160	e65	e148	e1680	552	275	116	49	35
11	67	249	e253	e120	e64	e145	4740	545	296	107	42	51
12	81	239	e230	e94	e64	e140	10800	551	285	82	38	83
13	109	591	e214	e84	e65	e135	9480	1240	248	71	35	72
14	122	1040	e193	e81	e80	e350	6670	1340	215	60	34	59
15	106	716	e185	e80	e79	e340	4640	932	188	56	32	52
16	93	530	e180	e79	e78	e330	3780	723	161	51	29	48
17	89	403	e185	e78	e160	e320	4410	600	139	50	26	46
18	83	351	e277	e77	e150	e310	7680	497	128	54	31	45
19	79	e290	e263	e76	e140	e300	4580	430	155	49	31	44
20	75	e246	e250	e75	e130	e285	3130	399	198	48	36	43
21	88	259	e225	e74	e124	e280	2430	416	188	48	45	41
22	190	280	e196	e73	e138	e270	2890	409	372	47	56	37
23	207	699	e180	e75	e140	e260	6640	366	702	47	48	33
24	199	1370	e170	e105	e121	e255	5710	324	585	46	41	31
25	522	956	e160	e230	e104	e250	3340	365	390	45	43	27
26	835	776	e150	e235	e93	e300	2790	440	281	43	44	28
27	757	1270	e145	e190	e82	e390	2700	394	240	42	42	31
28	528	1220	e135	e150	e73	e500	1930	341	216	40	35	60
29	391	930	e130	e118	---	e750	1530	307	198	44	29	133
30	320	748	e125	e92	---	e1320	1330	310	179	81	24	100
31	270	---	e120	e82	---	e2330	---	292	---	132	22	---
TOTAL	5853	16233	8153	4065	2571	10581	103003	20011	11131	2271	1513	1339
MEAN	189	541	263	131	91.8	341	3433	646	371	73.3	48.8	44.6
MAX	835	1370	631	320	160	2330	10800	1340	1530	151	128	133
MIN	53	203	120	73	64	64	763	292	128	40	22	23
CFSM	.63	1.82	.88	.44	.31	1.15	11.5	2.17	1.25	.25	.16	.15
IN.	.73	2.03	1.02	.51	.32	1.32	12.86	2.50	1.39	.28	.19	.17

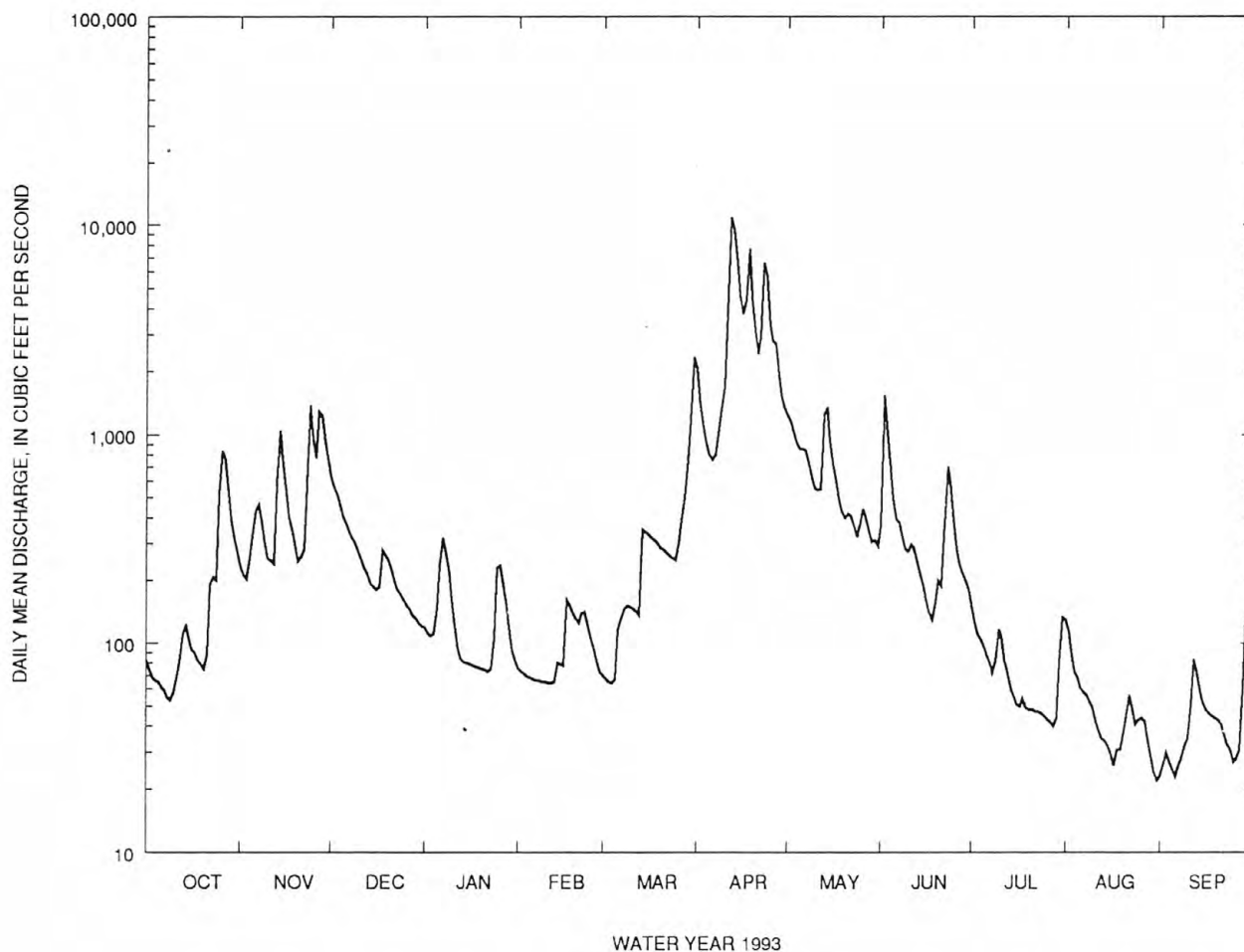
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01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	401	679	539	298	267	593	2086	1295	470	235	180	184
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1903 - 1993	
ANNUAL TOTAL	171547		186724			
ANNUAL MEAN	469		512		602	
HIGHEST ANNUAL MEAN					990	1954
LOWEST ANNUAL MEAN					238	1911
HIGHEST DAILY MEAN	6560	Mar 29	10800	Apr 12	31700	Apr 1 1987
LOWEST DAILY MEAN	38	Sep 22	22	Aug 31	5.0	Aug 6 1905
ANNUAL SEVEN-DAY MINIMUM	45	Sep 16	25	Aug 31	11	Sep 2 1987
INSTANTANEOUS PEAK FLOW			12100	Apr 12	37300	Apr 1 1987
INSTANTANEOUS PEAK STAGE			12.00	Apr 12	22.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			20	Aug 31	5.0	Aug 6 1905
ANNUAL RUNOFF (CFSM)	1.57		1.72		2.02	
ANNUAL RUNOFF (INCHES)	21.41		23.31		27.45	
10 PERCENT EXCEEDS	1070		1030		1550	
50 PERCENT EXCEEDS	246		150		255	
90 PERCENT EXCEEDS	75		43		56	



01033000 SEBEC RIVER AT SEBEC, ME

LOCATION.--Lat 45°16'12", long 69°06'44", Piscataquis County, Hydrologic Unit 01020004, on right bank 1,000 ft downstream from highway bridge and dam at outlet of Sebec Lake at Sebec.

DRAINAGE AREA.--326 mi².

PERIOD OF RECORD.--Discharge: October 1924 to September 1982, October 1984 to September 1993 (discontinued). October 1924 monthly discharge only, published in WSP 1301.
Chemical analyses: Water year 1954.

REVISED RECORDS.--WSP 1171: 1936(M). WSP 1301: 1925. WDR ME-81-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 296.29 ft above National Geodetic Vertical Datum of 1929. Prior to June 22, 1942, at site on opposite bank, 60 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Feb. 14-26. Records good except for period of doubtful gage-height record, Jan. 6 to Feb. 26, which is fair. Considerable regulation by Sebec Lake on Sebec River, 1,000 feet upstream, usable capacity 2,511,000,000 ft³/s. Several observations of water temperature and specific conductance were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,300 ft³/s Mar. 20, 1936, revised, gage height, 14.46 ft, caused by failure of dam at outlet to Sebec Lake; minimum daily, 2.0 ft³/s, Oct. 14-17, 1930, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,820 ft³/s, Apr. 14, gage height, 9.33 ft, minimum daily, 51 ft³/s, July 27, 28, 31, Aug. 2, 6-8.

REVISIONS.--The maximum discharge for the water years 1936 and 1987 have been revised to 14,300 ft³/s, Mar. 20, 1936, gage height 14.46 ft, and 11,000 ft³/s, April 2, 1987, gage height 12.89, superseding figures published in WSP 1171 and the report for 1987. Revised daily discharges, in cubic feet per second, for periods in April 1987 are given below. These figures supersede those published in the reports for 1987 and 1988.

Apr. 1.....7,600 Apr. 39,220 Apr. 56,010 Apr. 74,620 Apr. 9.....3,660
2.....10,800 47,340 65,100 84,140 10.....3,270

	Total	Mean	Maximum	Minimum
April 1987	82,217	2741	10800	45
Wtr Yr 1987	200,037	548	10800	33
Cal.Yr 1987	210,073	576	10800	27

**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	827	225	788	335	112	341	399	1800	131	342	52	64
2	476	231	791	331	112	573	400	1420	346	379	51	67
3	622	230	786	331	112	678	782	1340	431	369	53	67
4	619	225	783	299	99	672	787	1270	490	366	63	67
5	527	218	775	280	92	641	774	1160	507	358	52	66
6	402	226	768	279	100	631	775	1140	503	356	51	63
7	463	230	740	279	95	626	793	1080	517	355	51	67
8	478	225	337	279	115	617	801	1030	520	354	51	66
9	411	237	337	279	117	613	822	964	749	359	57	65
10	379	207	336	279	137	433	977	905	836	333	64	66
11	347	188	336	240	180	355	1050	855	812	322	63	67
12	330	191	336	179	180	352	2700	823	496	323	63	66
13	319	192	336	187	180	273	5230	897	329	321	62	211
14	304	216	336	187	e226	193	5750	983	351	144	62	265
15	283	216	336	187	e259	400	5440	990	367	71	62	258
16	269	218	339	187	e259	396	4900	976	353	78	80	267
17	274	217	335	187	e259	395	4540	952	345	76	86	263
18	249	220	332	140	e259	392	5000	895	347	75	65	263
19	238	220	336	110	e259	389	4850	832	345	74	65	260
20	232	210	336	152	e259	227	4290	788	341	73	65	267
21	137	202	336	180	e280	162	3780	723	347	80	65	287
22	88	199	336	180	e288	162	3400	531	353	86	66	283
23	96	203	336	180	e288	162	3670	358	455	86	64	284
24	97	205	336	180	e288	162	4110	256	678	82	57	282
25	148	207	339	171	e288	162	3870	182	647	73	57	279
26	143	239	341	150	e328	204	3730	152	423	60	60	275
27	180	306	341	138	341	316	3490	156	250	51	62	346
28	231	339	342	138	341	298	3060	158	292	51	60	278
29	241	453	345	121	---	304	2650	138	370	52	61	354
30	232	718	345	115	---	349	2120	117	292	52	63	316
31	224	---	345	115	---	397	---	70	---	51	62	---
TOTAL	9866	7413	13541	6395	5853	11875	84940	23941	13223	5852	1895	5829
MEAN	318	247	437	206	209	383	2831	772	441	189	61.1	194
MAX	827	718	791	335	341	678	5750	1800	836	379	86	354
MIN	88	188	332	110	92	162	399	70	131	51	51	63

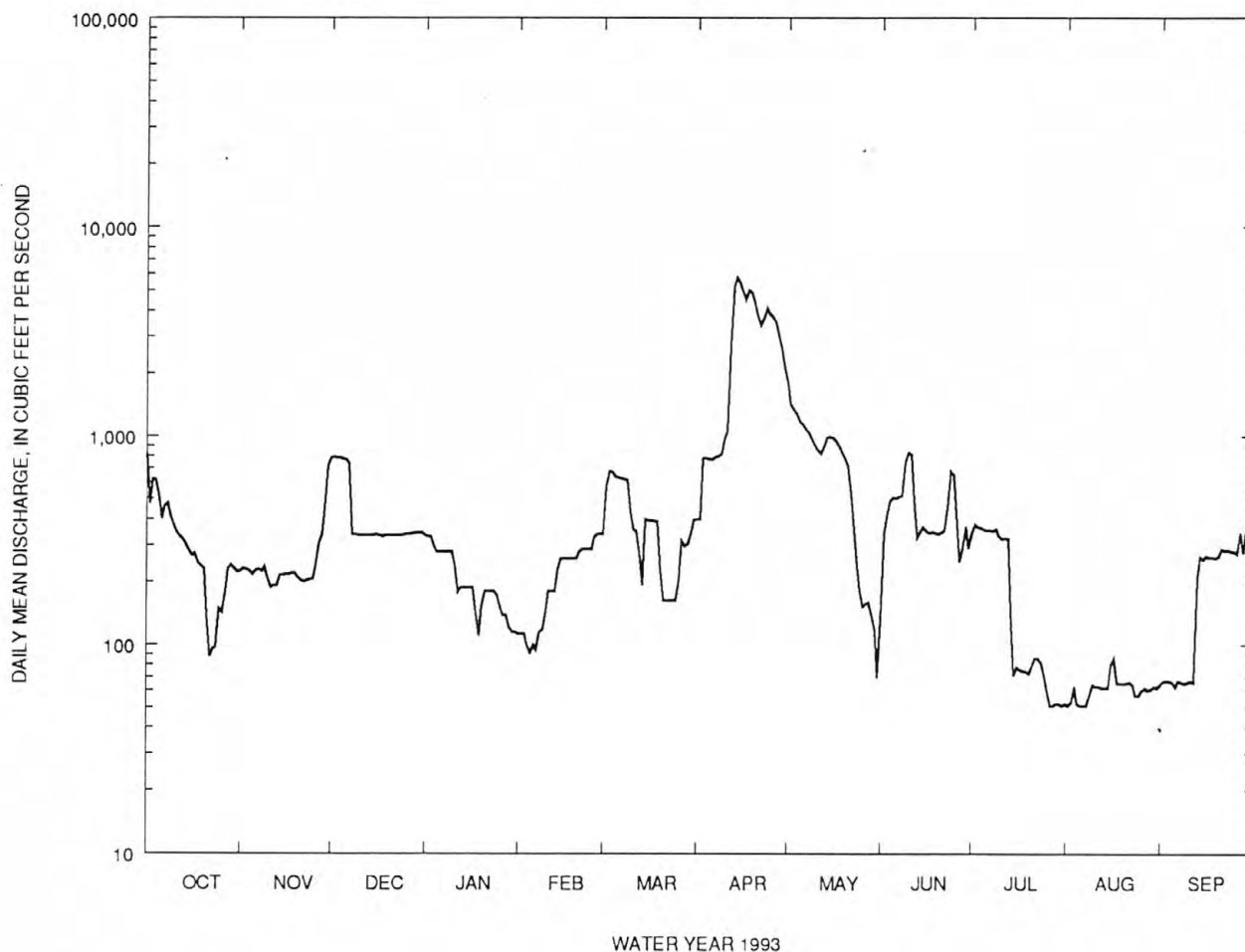
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01033000 SEBEC RIVER AT SEBEC, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	394	601	607	431	474	605	1715	1228	517	318	273	361
MAX	1631	2119	2817	1385	1370	3804	2886	2771	1482	1293	1000	1304
(WY)	1978	1967	1974	1978	1970	1936	1976	1969	1931	1973	1973	1954
MIN	52.9	23.3	35.0	101	143	82.3	403	352	107	63.1	56.3	48.7
(WY)	1979	1985	1985	1930	1930	1980	1957	1941	1988	1991	1987	1961

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1925 - 1993	
ANNUAL TOTAL	197512		190623			
ANNUAL MEAN	540		522		629	
HIGHEST ANNUAL MEAN					1030	
LOWEST ANNUAL MEAN					348	
HIGHEST DAILY MEAN	2200	Apr 1	5750	Apr 14	10800	Apr 2 1987
LOWEST DAILY MEAN	70	Jun 17	51	Jul 27	2.0	Oct 14 1930
ANNUAL SEVEN-DAY MINIMUM	72	Sep 1	51	Jul 27	14	Oct 14 1930
INSTANTANEOUS PEAK FLOW			5820	Apr 14	14300	Mar 20 1936
INSTANTANEOUS PEAK STAGE			9.33	Apr 14	14.46	Mar 20 1936
10 PERCENT EXCEEDS	1260		896		1460	
50 PERCENT EXCEEDS	386		283		366	
90 PERCENT EXCEEDS	124		65		119	



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. 5 to Apr. 10. Records good except for period of ice effect, Dec. 5 to Apr. 10, which is 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, 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)
Apr. 13	0745	*37,300	*12.33	Apr. 24	0745	21,500	9.36
Apr. 18	1815	24,900	10.06				

Minimum discharge, 200 ft³/s, Aug. 16, 17, gage height, 1.50 ft.

**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	1250	1030	2420	e710	e400	e620	e4910	5300	1170	767	350	307
2	825	942	2270	e695	e370	e900	e4270	4770	3950	796	344	205
3	867	888	2170	e688	e345	e1000	e3630	4270	3870	746	317	203
4	871	897	2060	e662	e325	e980	e3330	3900	2920	737	283	203
5	831	970	e1720	e650	e315	e1000	e3230	3610	2270	723	270	203
6	605	1240	e1410	e1100	e310	e1050	e3140	3450	1920	683	250	206
7	683	1430	e1270	e1320	e315	e1100	e3160	3440	1790	657	234	206
8	663	1340	e1180	e1200	e325	e1150	e3450	3190	1670	631	220	207
9	691	1160	e1110	e1000	e340	e1140	e4130	2890	1560	586	212	217
10	598	1040	e1020	e850	e365	e1000	e5310	2610	1810	598	209	220
11	689	906	e970	e620	e395	e840	9360	2420	1740	603	205	249
12	721	900	e930	e520	e400	e820	27400	2430	1570	568	203	360
13	723	1070	e900	e480	e420	e800	36100	3690	1160	554	203	378
14	696	2610	e870	e450	e500	e790	28600	5110	1060	488	203	500
15	699	2330	e843	e430	e540	e1100	20800	4050	984	304	203	469
16	625	1860	e825	e410	e545	e1450	16100	3300	937	243	201	458
17	612	1510	e810	e400	e780	e1410	14400	2910	875	232	211	442
18	557	1340	e800	e390	e760	e1400	22800	2550	814	228	207	429
19	534	1130	e925	e380	e720	e1350	20800	2270	817	227	267	447
20	505	1080	e1100	e370	e680	e1200	14400	2100	841	229	288	414
21	515	962	e1030	e360	e660	e1100	11300	2060	866	238	320	574
22	571	1010	e980	e400	e750	e1050	10600	1950	1130	245	400	440
23	825	1380	e930	e445	e720	e1000	15200	1610	2380	275	329	377
24	807	2930	e895	e495	e680	e990	20400	1430	2690	279	290	387
25	1120	2640	e860	e600	e630	e980	14700	1310	2070	249	276	350
26	2330	2150	e835	e890	e635	e1150	11600	1410	1640	233	259	347
27	2350	2780	e810	e920	e640	e1450	11200	1430	1070	225	241	413
28	1940	3290	e790	e725	e630	e1710	9050	1310	921	226	228	538
29	1570	2790	e770	e580	---	e2630	7230	1170	960	236	217	675
30	1340	2530	e750	e480	---	e3740	6000	1100	870	252	207	728
31	1130	---	e730	e430	---	e4760	---	1120	---	279	255	---
TOTAL	28743	48135	34983	19650	14495	41660	366600	84160	48325	13337	7902	11152
MEAN	927	1604	1128	634	518	1344	12220	2715	1611	430	255	372
MAX	2350	3290	2420	1320	780	4760	36100	5300	3950	796	400	728
MIN	505	888	730	360	310	620	3140	1100	814	225	201	203
CFSM	.80	1.38	.97	.55	.45	1.16	10.5	2.34	1.39	.37	.22	.32
IN.	.92	1.54	1.12	.63	.46	1.33	11.74	2.69	1.55	.43	.25	.36

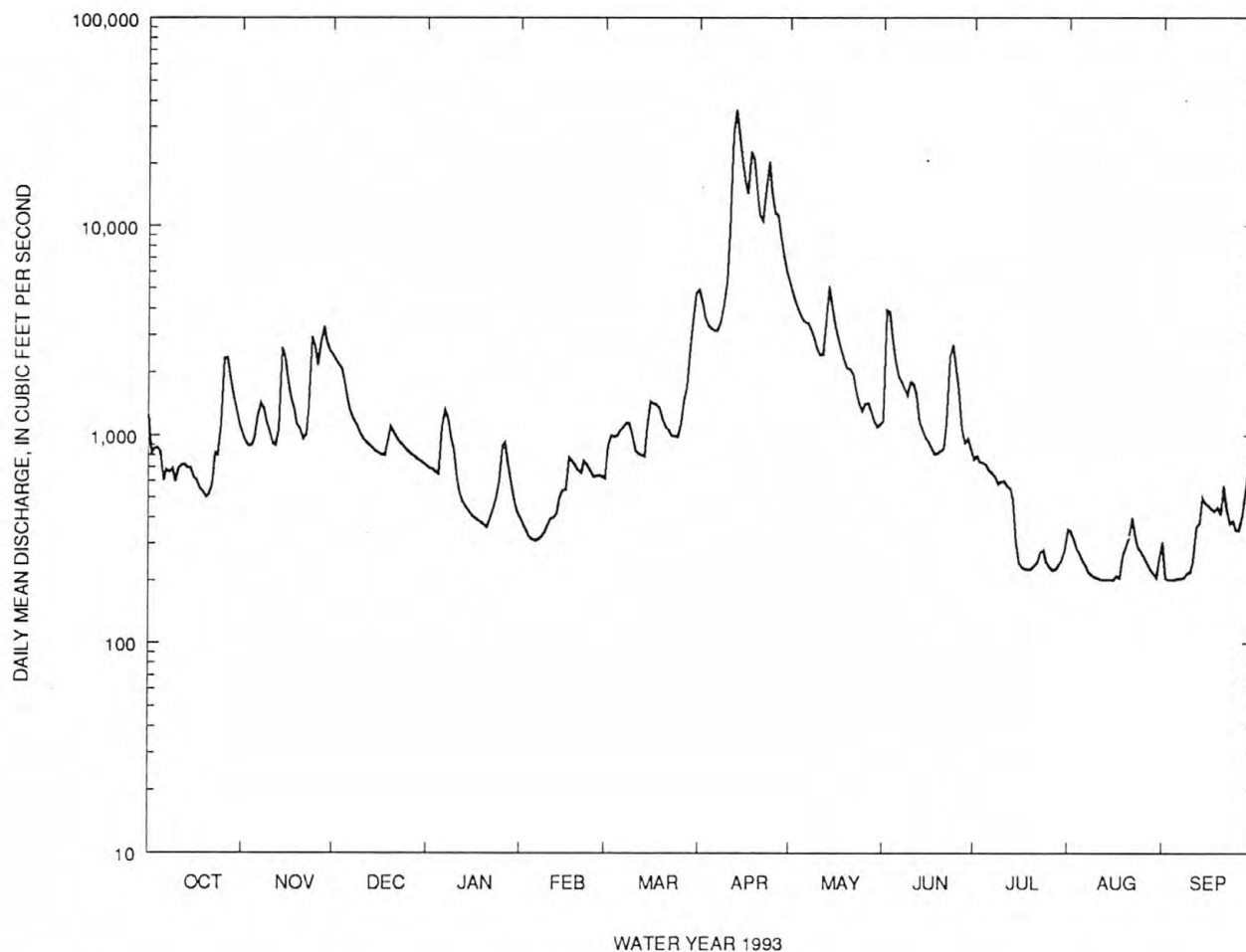
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01034000 PISCATAQUIS RIVER AT MEDFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1609	2674	2252	1353	1346	2257	7209	4856	1893	1033	811	947
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 1992 CALENDAR YEAR	FOR 1993 WATER YEAR	WATER YEARS 1924 - 1993
ANNUAL TOTAL	689453	719142	
ANNUAL MEAN	1884	1970	2353
HIGHEST ANNUAL MEAN			3715
LOWEST ANNUAL MEAN			1254
HIGHEST DAILY MEAN	17800	Mar 30	52900
LOWEST DAILY MEAN	269	Jun 20	106
ANNUAL SEVEN-DAY MINIMUM	338	Sep 3	127
INSTANTANEOUS PEAK FLOW		37300	60100
INSTANTANEOUS PEAK STAGE		12.33	15.58
INSTANTANEOUS LOW FLOW		200	99
ANNUAL RUNOFF (CFSM)	1.62	1.70	2.02
ANNUAL RUNOFF (INCHES)	22.07	23.02	27.51
10 PERCENT EXCEEDS	4330	3620	5600
50 PERCENT EXCEEDS	1180	843	1200
90 PERCENT EXCEEDS	495	247	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. 12-16 and Dec 19 to Apr. 10. Records good except for periods of ice effect, Dec. 12-16 and Dec 19 to Apr. 10, 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 daily discharge, 101,000 ft³/s, Apr. 13, gage height, 18.93 ft, minimum daily discharge, 3,380 ft³/s, Feb. 3.

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	6030	7700	10100	e4820	e4360	e3780	e17000	28700	12200	13000	5030	4430
2	6630	7130	9490	e4590	e3670	e3980	e15700	21900	17200	10300	6190	4420
3	5930	6760	8920	e4570	e3380	e3990	e13700	21000	20500	8270	5610	4530
4	6300	6370	9310	e4400	e3490	e4340	e13700	20300	18500	7970	4860	4390
5	6270	6430	8850	e4660	e3410	e4620	e13900	19100	16500	7990	4660	4440
6	5930	6940	7690	e5460	e3520	e4680	e13700	18500	15000	8010	4340	4460
7	5780	7370	6850	e6380	e3630	e4800	e13600	17200	13700	7610	3880	4590
8	6060	7430	6790	e6260	e3560	e4790	e14600	17100	12400	7670	4040	4590
9	5890	6970	6060	e6290	e3680	e4750	e17000	15800	11400	6920	4130	4710
10	6010	6480	5980	e6050	e3690	e4700	e20600	14100	10700	6570	4290	4910
11	6100	6090	5940	e5670	e3500	e4460	32000	13600	10400	5920	4080	4830
12	6030	6100	e6320	e5250	e3650	e4750	72700	13400	10800	5620	4040	5660
13	5230	6560	e6170	e5100	e4030	e4840	98400	16800	10400	5390	3770	6110
14	5390	9270	e6050	e4610	e3620	e5550	91200	24200	9280	5190	3970	6160
15	5010	10300	e5050	e4790	e3980	e5540	76200	24200	8800	5420	3750	6220
16	5250	9550	e5290	e4420	e4060	e5670	64700	22000	8350	5000	3920	6360
17	4760	9030	5530	e4220	e4420	e5600	59500	19300	8110	4690	4110	5760
18	4190	7760	6180	e4220	e4280	e6490	72700	16500	7790	4770	4520	5830
19	4080	6870	e6570	e4230	e3990	e6540	72400	14600	7600	4930	4180	5840
20	4160	5850	e6560	e4090	e3970	e6370	57400	13500	7640	4620	4490	5620
21	4020	5880	e6740	e3940	e4030	e6420	49200	12800	6890	4280	4390	5050
22	4140	6050	e6700	e3960	e4160	e6340	44600	11900	7400	4740	4710	5550
23	4540	6870	e6460	e4270	e4320	e6260	49100	11100	11300	4540	4460	5450
24	4720	9150	e6530	e4340	e4240	e5900	60900	10400	17400	4810	4540	5560
25	5510	9750	e5810	e4920	e4010	e6520	54700	10100	16900	5010	4090	5950
26	8260	8990	e5330	e5290	e4050	e6440	47800	9890	16400	4770	4150	5830
27	10900	9770	e4850	e5260	e3840	e7270	46800	9900	15100	4490	4590	5930
28	10800	11400	e4630	e5040	e3920	e7510	43300	9070	14600	4540	4170	5670
29	10200	11200	e4540	e4690	---	e9080	38000	8900	13900	4780	4420	6270
30	9430	10500	e5150	e4390	---	e12100	32900	9540	13800	4420	4150	6620
31	8580	---	e4880	e4120	---	e16700	---	11500	---	4480	4490	---
TOTAL	192130	236520	201320	150300	108460	190780	1318000	486900	370960	187120	136020	161740
MEAN	6198	7884	6494	4888	3874	6154	43930	15710	12370	6036	4388	5391
MAX	10900	11400	10100	6380	4420	16700	98400	28700	20500	13000	6190	6520
MIN	4020	5850	4540	3940	3380	3780	13600	8900	6890	4280	3750	4390

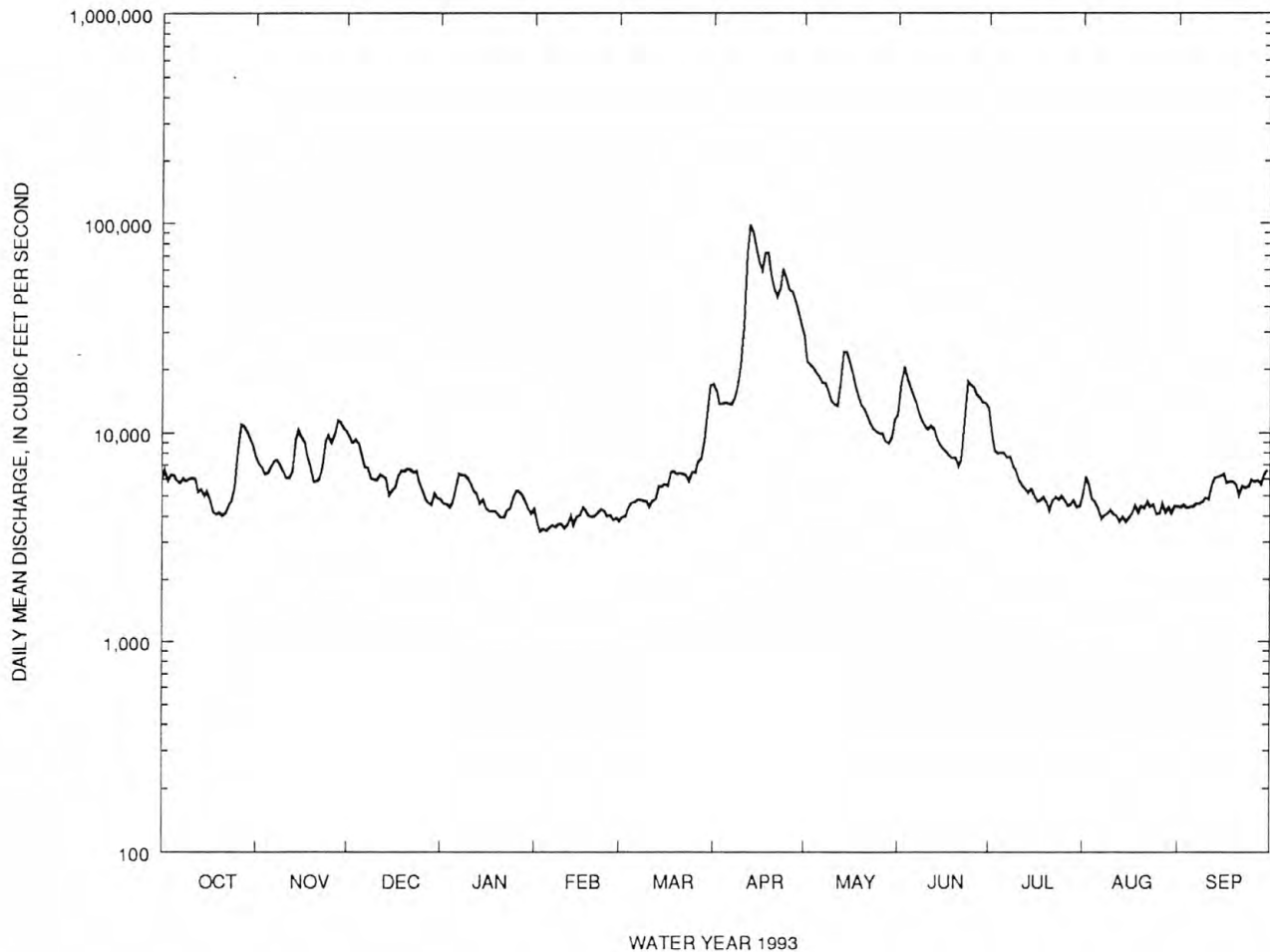
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01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8514	11820	10460	7903	7348	10760	29270	23970	11920	7688	6584	6619
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1903 - 1993	
ANNUAL TOTAL	3721920		3740250			
ANNUAL MEAN	10170		10250		11910	
HIGHEST ANNUAL MEAN					17760	
LOWEST ANNUAL MEAN					6382	
					1973	
HIGHEST DAILY MEAN	43400		Mar 30		98400	
LOWEST DAILY MEAN	4020		Oct 21		3380	
ANNUAL SEVEN-DAY MINIMUM	4260		Oct 18		3520	
					Feb 2	
					1700	
					Feb 11	
					1904	
INSTANTANEOUS PEAK FLOW			101000		Apr 13	
INSTANTANEOUS PEAK STAGE			18.93		Apr 13	
					25.15	
					May 1	
					1923	
10 PERCENT EXCEEDS	20400		17100		25400	
50 PERCENT EXCEEDS	7200		6050		7800	
90 PERCENT EXCEEDS	5380		4080		4570	



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. 15 to Mar. 8. Records good except for period of ice effect, Dec. 15 to Mar. 8, which is 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 discharge, 106,000 ft³/s, Apr. 14, gage height, 18.62 ft; minimum daily discharge, 3,290 ft³/s, Aug. 15.

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	6400	9490	12000	e5320	e4420	e4190	16000	37100	13100	14200	4690	3850
2	6970	8710	11500	e5250	e4640	e4040	17300	32200	15700	12900	5580	4230
3	7260	8220	10900	e5000	e3940	e4230	15800	26000	22900	10300	6140	4320
4	6450	7850	10700	e4970	e3640	e4230	15500	26400	23000	9070	5570	4500
5	7010	7380	10700	e4800	e3740	e4570	16300	24600	19600	8990	4970	4270
6	6790	7820	9410	e5190	e3660	e4870	16800	23500	17500	8740	4080	4320
7	6370	8460	8030	e6320	e3770	e5100	17200	21800	15900	8800	4020	4540
8	6370	8840	7380	e7550	e3870	e5280	19100	20600	14400	8310	3710	4400
9	6590	8750	7400	e7250	e3800	5390	22200	19800	13400	8370	3780	4560
10	6380	8090	6780	e7100	e3920	5230	25800	17500	12400	7610	4000	4670
11	6830	7680	6340	e6640	e3930	5050	33500	15200	11800	6970	4070	4930
12	6670	7020	6500	e6110	e3730	4860	63100	15000	11500	6160	4000	4930
13	6630	7540	6840	e5590	e3880	5080	95200	16800	12000	5830	3900	5770
14	5700	8860	7250	e5410	e4270	5360	103000	25000	11000	5450	3960	6000
15	5730	12100	e6760	e4910	e3910	5740	93400	29000	9880	5490	3290	6190
16	5580	11800	e5730	e5080	e4270	5040	80900	27400	9580	5780	3590	6670
17	5780	10700	e5950	e4710	e4350	5010	71800	24600	9170	4790	3890	6940
18	4710	10300	e6210	e4510	e5010	5800	72000	21000	8360	4880	4210	5900
19	4800	8970	e7200	e4500	e4830	6240	78800	17600	8600	5070	4590	6040
20	4320	7800	e7530	e4510	e4500	6440	71400	15600	8400	5180	4110	5890
21	4540	6540	e7480	e4370	e4450	6510	61100	14700	8460	4740	4740	5640
22	4530	7330	e7570	e4210	e4480	6500	54700	14100	8000	4690	4420	4990
23	4710	7850	e7420	e4230	e4670	6650	54700	13300	10000	4990	4720	4950
24	5310	9500	e7120	e4550	e4830	6530	61800	12300	16400	5240	4150	5650
25	5840	11800	e7150	e4730	e4680	6260	63500	11200	20000	5010	4380	5620
26	7720	11500	e6400	e5760	e4390	6940	57600	11200	18400	5560	3870	6070
27	11200	11200	e5880	e5910	e4390	7090	54300	11600	17200	4840	4020	5930
28	12600	12600	e5380	e5960	e4140	7810	51600	10800	15700	4190	4360	6810
29	12100	13500	e5130	e5590	---	8890	46800	10400	15200	4780	4370	6000
30	11400	12800	e5020	e5120	---	10100	41900	10300	14600	4820	4670	6580
31	10500	---	e5610	e4730	---	12900	---	11400	---	4310	3960	---
TOTAL	213790	281000	231270	165880	118110	187930	1493100	588000	412150	206060	133810	161160
MEAN	6896	9367	7460	5351	4218	6062	49770	18970	13740	6647	4316	5372
MAX	12600	13500	12000	7550	5010	12900	103000	37100	23000	14200	6140	6940
MIN	4320	6540	5020	4210	3640	4040	15500	10300	8000	4190	3290	3850

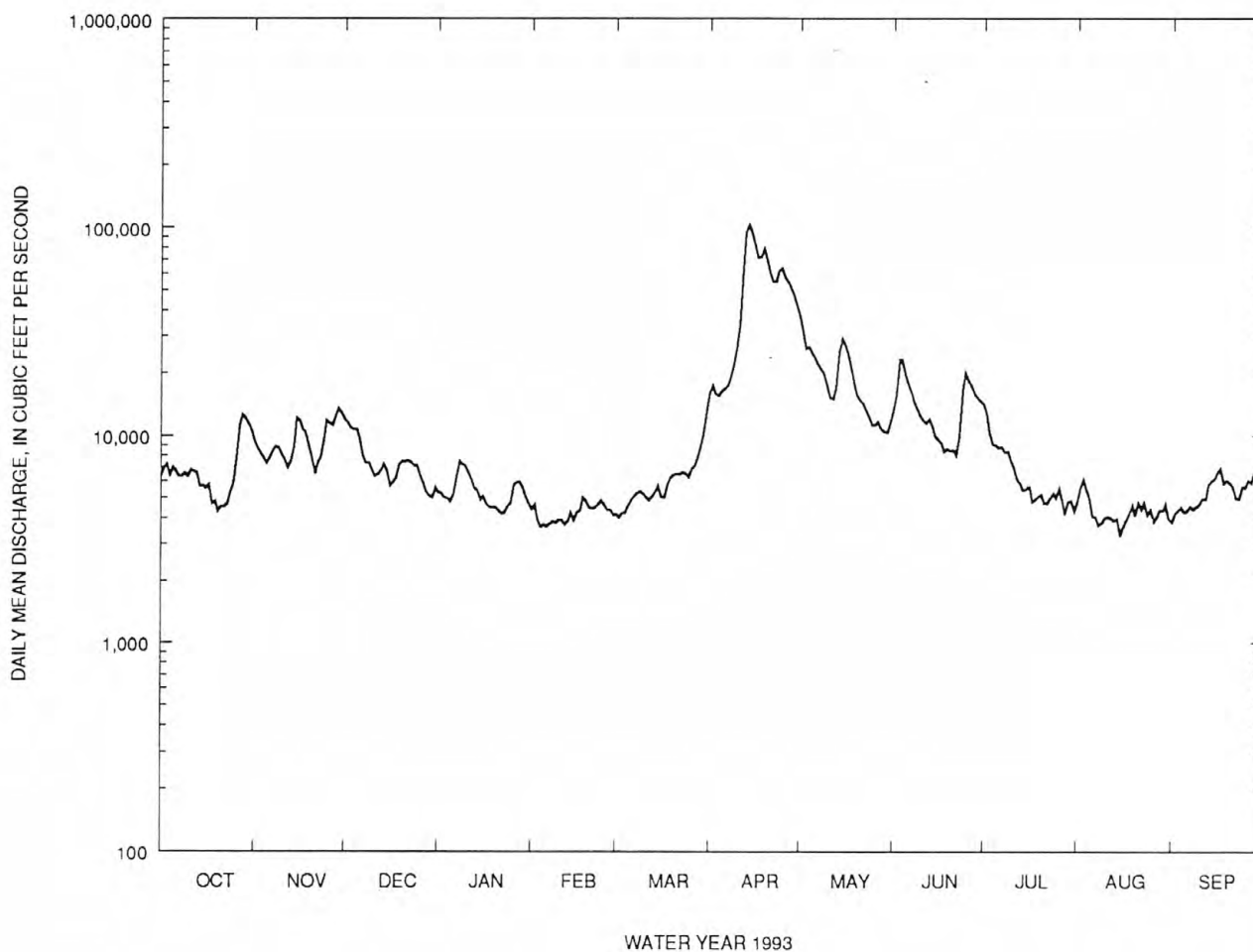
e Estimated

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	12020	15330	13830	9135	9342	13020	36760	21990	13580	7765	8013	8290
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	5372
(WY)	1985	1985	1985	1993	1993	1993	1985	1985	1988	1991	1987	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1979 - 1993	
ANNUAL TOTAL	4189420		4192260		13920	
ANNUAL MEAN	11450		11490		20440	
HIGHEST ANNUAL MEAN					8679	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	48700	Mar 31	103000	Apr 14	155000	Apr 3 1987
LOWEST DAILY MEAN	4320	Oct 20	3290	Aug 15	2780	Sep 5 1987
ANNUAL SEVEN-DAY MINIMUM	4700	Oct 18	3770	Feb 4	3330	Sep 3 1987
INSTANTANEOUS PEAK FLOW			106000	Apr 14	159000	Apr 3 1987
INSTANTANEOUS PEAK STAGE			18.62	Apr 14	23.53	Apr 3 1987
10 PERCENT EXCEEDS	21600		20800		28000	
50 PERCENT EXCEEDS	8140		6510		9500	
90 PERCENT EXCEEDS	5790		4220		5500	



PENOBSCOT RIVER BASIN

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1979 to October 1984. Seasonal records November 1984 to current year.
 pH: April 1979 to October 1984. Seasonal records November 1984 to current year.
 WATER TEMPERATURE: April 1979 to October 1984. Seasonal records November 1984 to current year.
 DISSOLVED OXYGEN: April 1979 to October 1984. Seasonal records November 1984 to current year.

INSTRUMENTATION.--Water-quality monitor since April 1979. Continuous flow through system. Submersible pump located 150 ft streamward from left bank.

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 μ S/cm, Sept. 20, 1986; minimum, 25 μ S/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; 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 1992 TO SEPTEMBER 1993

DATE	TIME	STREAM FLOW, INSTAN- TANEOUS (CFS) (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 OXYGEN, DIS- SOLVED (MG/L) (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)
NOV												
10...	0900	8,020	58	7.2	-2.5	2.5	0.70	779	13.4	96	160	65
FEB												
11...	1115	E 3,720	73	7.2	-5.5	0.0	0.90	775	14.9	100	180	26
MAY												
06...	1115	24,900	39	7.1	11.0	13.0	1.7	756	11.0	104	25	K 10
AUG												
12...	1030	4,060	64	7.4	18.0	22.5	0.50	769	8.5	98	50	760
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												
10...	19	5.3	1.2	4.3	0.60	15	0.0	12	6.8	3.9	<0.10	
FEB												
11...	21	6.3	1.3	5.1	0.70	18	0.0	15	7.6	5.0	<0.10	
MAY												
06...	13	3.9	0.78	2.5	0.60	10	0.0	8.6	4.0	2.8	<0.10	
AUG												
12...	18	5.2	1.1	5.3	0.60	15	0.0	12	7.0	4.9	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 1992 TO SEPTEMBER 1993

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 TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
NOV 10...	3.8	43	33	<0.01	0.02	0.07	0.07	0.04	0.04	0.05
FEB 11...	3.8	49	39	--	0.04	--	0.18	--	0.12	0.15
MAY 06...	3.1	40	23	--	<0.01	--	0.06	--	0.02	0.03
AUG 12...	2.0	48	34	--	<0.01	--	<0.05	--	<0.01	--
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
NOV 10...	0.30	0.03	0.03	<0.01	0.01	50	13	<3	110	<4
FEB 11...	0.40	0.03	0.03	--	0.02	50	5	<3	64	<4
MAY 06...	0.30	0.01	<0.01	--	<0.01	60	3	<3	79	<4
AUG 12...	0.30	0.02	0.02	--	0.01	20	3	<3	42	<4
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 10...	12	<10	<1	<1	<1	28	<6	1	22	100
FEB 11...	13	<10	1	<1	<1	32	<6	6	60	74
MAY 06...	14	<10	<1	<1	<1	21	<6	4	269	91
AUG 12...	5	<10	<1	<1	<1	24	<6	1	11	94
DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, 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 YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS YT-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)
NOV 10...	--	--	--	--	--	--	--	--	--	--
FEB 11...	--	--	--	--	--	--	--	--	--	--
MAY 06...	<0.6	<0.6	0.7	<0.6	0.6	<0.6	0.02	0.05	<0.6	<0.6
AUG 12...	<0.6	0.8	1.0	<0.6	1.0	<0.6	0.05	0.07	<0.6	<0.6

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

[illegible]

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	41	40	41	42	41	41	66	63	65	72	64	69
2	40	39	40	42	41	41	67	64	65	69	63	66
3	39	37	38	42	41	41	65	62	63	68	61	65
4	38	37	37	45	41	43	67	63	64	64	61	62
5	37	36	36	46	42	43	70	66	69	67	61	64
6	37	36	37	48	42	44	68	63	65	66	62	64
7	37	37	37	48	43	45	66	63	65	67	63	66
8	41	37	39	51	45	47	68	63	65	68	64	66
9	42	40	40	53	47	50	67	64	65	65	63	64
10	41	40	41	55	52	53	68	65	66	64	63	63
11	42	41	41	56	51	54	68	63	64	63	61	62
12	42	41	41	56	52	54	73	66	67	63	59	61
13	43	40	41	62	54	58	73	66	68	60	59	59
14	44	41	42	62	58	60	71	67	69	59	56	58
15	45	43	44	66	62	64	75	69	71	58	56	58
16	45	43	44	65	62	63	72	70	70	58	55	57
17	46	44	45	68	62	65	71	63	68	57	53	55
18	47	45	46	67	65	66	71	68	69	57	56	57
19	47	46	46	69	65	67	69	68	68	57	55	57
20	49	46	47	69	66	67	70	65	68	55	54	55
21	48	46	47	72	67	69	70	66	68	56	54	55
22	47	46	46	72	66	69	67	65	66	56	54	54
23	46	46	46	70	65	67	67	62	64	55	53	54
24	46	44	45	66	65	65	65	62	64	55	52	54
25	45	43	44	66	63	65	65	62	64	54	53	54
26	43	42	42	64	63	64	68	64	66	54	52	53
27	42	41	41	67	63	65	70	65	67	54	52	53
28	41	40	41	65	61	62	72	66	69	53	49	51
29	42	41	41	64	61	63	73	69	71	55	49	53
30	42	41	41	63	60	62	73	69	71	54	51	52
31	---	---	---	67	62	64	72	71	71	---	---	---
MONTH	49	36	42	72	41	57	75	62	67	72	49	59
PERIOD	75	32	53									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER				JANUARY		
1	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
2	7.4	7.2	7.3		---	---	---		---	---	---		---	---	---
3	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
4	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
5	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
6	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
7	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
8	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
9	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
10	7.3	7.1	7.1		---	---	---		---	---	---		---	---	---
11	7.1	7.1	7.1		---	---	---		---	---	---		---	---	---
12	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
13	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
14	7.2	7.1	7.1		---	---	---		---	---	---		---	---	---
15	7.2	7.1	7.1		---	---	---		---	---	---		---	---	---
16	7.2	7.1	7.1		---	---	---		---	---	---		---	---	---
17	7.2	7.1	7.1		---	---	---		---	---	---		---	---	---
18	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
19	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
20	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
21	7.4	7.2	7.4		---	---	---		---	---	---		---	---	---
22	7.4	7.4	7.4		---	---	---		---	---	---		---	---	---
23	7.4	7.3	7.4		---	---	---		---	---	---		---	---	---
24	7.5	7.2	7.3		---	---	---		---	---	---		---	---	---
25	7.2	7.2	7.2		---	---	---		---	---	---		---	---	---
26	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
27	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
28	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
29	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
30	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
31	7.2	7.1	7.2		---	---	---		---	---	---		---	---	---
MONTH	7.5	7.0	7.2		---	---	---		---	---	---		---	---	---

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	9.5	7.5	8.5
2	---	---	---	---	---	---	---	---	---	10.5	9.0	10.0
3	---	---	---	---	---	---	---	---	---	11.5	10.0	11.0
4	---	---	---	---	---	---	---	---	---	11.5	10.5	11.0
5	---	---	---	---	---	---	---	---	---	13.0	11.0	12.0
6	---	---	---	---	---	---	---	---	---	13.5	13.0	13.0
7	---	---	---	---	---	---	---	---	---	13.5	13.5	13.5
8	---	---	---	---	---	---	---	---	---	14.5	13.0	14.0
9	---	---	---	---	---	---	---	---	---	16.0	14.5	15.0
10	---	---	---	---	---	---	---	---	---	15.5	14.0	15.0
11	---	---	---	---	---	---	---	---	---	14.0	13.0	13.5
12	---	---	---	---	---	---	---	---	---	13.5	12.5	13.0
13	---	---	---	---	---	---	---	---	---	13.0	13.0	13.0
14	---	---	---	---	---	---	---	---	---	13.5	12.5	13.0
15	---	---	---	---	---	---	---	---	---	13.5	12.5	13.0
16	---	---	---	---	---	---	---	---	---	14.0	12.5	13.5
17	---	---	---	---	---	---	---	---	---	14.5	13.0	14.0
18	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
19	---	---	---	---	---	---	---	---	---	14.5	14.0	14.5
20	---	---	---	---	---	---	---	---	---	14.5	14.0	14.0
21	---	---	---	---	---	---	---	---	---	14.5	14.0	14.0
22	---	---	---	---	---	---	---	---	---	15.5	13.5	14.5
23	---	---	---	---	---	---	---	---	---	16.5	14.5	15.5
24	---	---	---	---	---	---	---	---	---	16.5	15.5	16.0
25	---	---	---	---	---	---	---	---	---	17.0	15.5	16.0
26	---	---	---	---	---	---	---	---	---	17.0	16.0	16.5
27	---	---	---	---	---	---	---	---	---	17.5	16.0	16.5
28	---	---	---	---	---	---	---	---	---	17.5	16.0	16.5
29	---	---	---	---	---	---	---	---	---	16.5	16.0	16.5
30	---	---	---	---	---	---	---	---	---	16.0	15.0	15.0
31	---	---	---	---	---	---	---	---	---	15.5	14.0	14.5
MONTH	---	---	---	---	---	---	---	---	---	17.5	7.5	14.0

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.5	13.5	14.0	23.0	21.5	22.5	24.0	22.0	22.5	23.5	22.5	23.0
2	14.0	12.5	13.5	23.0	22.0	22.5	24.5	23.0	23.5	23.0	22.0	22.5
3	14.0	13.0	13.5	22.0	21.5	22.0	25.5	24.0	24.5	23.0	21.5	22.0
4	14.5	13.5	14.0	22.5	21.0	21.5	25.5	24.5	25.0	22.0	21.5	21.5
5	15.0	14.0	14.5	23.5	21.5	22.5	25.5	24.5	25.0	22.5	21.0	21.5
6	15.0	14.5	15.0	25.0	22.5	23.5	25.0	24.0	25.0	22.5	22.0	22.0
7	15.5	14.0	14.5	26.5	24.0	25.0	25.0	24.0	24.5	22.5	21.5	22.0
8	16.5	14.5	15.5	27.5	25.0	26.0	24.5	23.5	24.0	22.0	22.0	22.0
9	17.5	16.0	17.0	27.5	26.0	26.5	24.5	23.5	24.0	22.0	21.5	22.0
10	18.5	17.0	17.5	27.5	26.5	27.0	24.5	23.5	24.0	22.0	21.0	21.5
11	18.5	17.5	18.0	27.5	26.0	27.0	24.0	23.0	23.5	21.0	20.0	20.5
12	19.5	17.0	18.5	27.0	26.0	26.0	23.5	22.5	23.0	20.0	19.0	19.5
13	20.5	18.5	19.5	26.5	25.5	26.0	24.0	22.5	23.0	20.0	18.5	19.0
14	22.0	19.5	21.0	27.0	25.5	26.0	24.0	23.0	23.5	20.5	19.0	20.0
15	23.5	21.0	22.0	27.0	26.0	26.0	25.0	23.5	24.5	21.5	20.0	20.5
16	23.5	22.0	22.5	26.0	24.5	25.0	25.5	24.5	25.0	21.5	20.5	20.5
17	22.5	21.0	22.0	24.5	23.5	24.0	25.5	24.5	25.0	20.5	19.5	20.0
18	22.5	21.0	21.5	24.0	23.0	23.5	25.0	24.0	24.5	20.0	19.0	19.0
19	21.5	21.0	21.0	24.0	23.0	23.5	24.0	23.5	23.5	19.0	18.5	18.5
20	22.0	20.5	21.0	24.0	22.5	23.0	24.0	23.0	23.5	18.5	17.0	17.5
21	21.5	21.0	21.0	23.0	22.0	22.5	24.0	23.0	23.5	17.0	15.5	16.0
22	21.0	20.0	20.5	23.0	22.0	22.5	23.5	22.0	22.5	16.5	15.5	16.0
23	20.5	18.5	19.5	22.5	22.0	22.5	23.0	22.0	22.5	16.5	15.5	16.0
24	19.0	18.0	18.5	22.5	21.5	22.0	23.0	22.0	22.5	16.5	15.5	16.0
25	19.5	18.5	19.0	22.5	22.0	22.5	23.0	22.0	22.5	16.5	15.0	15.5
26	20.5	19.5	20.0	23.0	21.5	22.5	24.5	22.5	23.5	16.0	15.0	15.5
27	21.0	20.0	20.5	23.0	20.5	21.5	25.5	24.0	24.5	15.5	15.0	15.5
28	22.0	20.5	21.0	21.0	20.5	21.0	25.5	25.0	25.5	16.5	15.5	16.0
29	22.5	21.5	22.0	21.0	20.5	21.0	25.5	25.0	25.0	16.5	15.5	16.0
30	23.0	22.0	22.5	21.5	21.0	21.0	25.5	23.5	24.5	16.0	15.0	15.5
31	---	---	---	22.0	21.0	21.5	24.5	23.5	24.0	---	---	---
MONTH	23.5	12.5	18.5	27.5	20.5	23.5	25.5	22.0	24.0	23.5	15.0	19.0
PERIOD	27.5	5.5	18.5									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

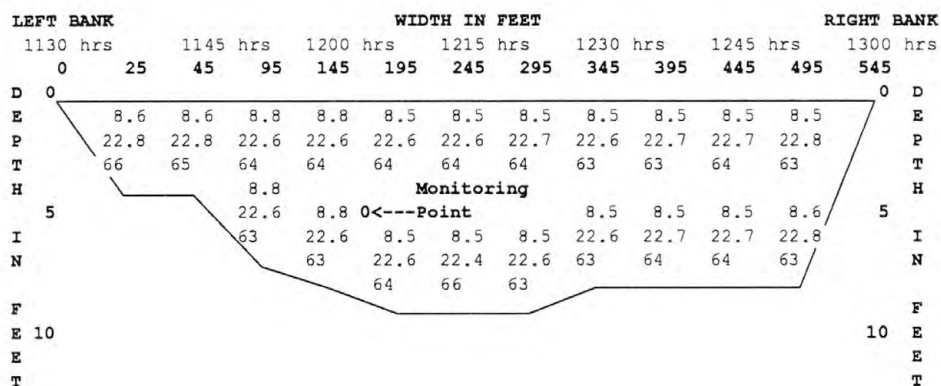
[illegible]

PENOBSCOT RIVER BASIN

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

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

AUGUST 12, 1993



DAILY MEAN DISCHARGE

4000 ft³/s

CROSS SECTION VALUES

	Max	Min	Mean
DO	8.8	8.5	8.6
WT	22.8	22.4	22.
SC	66	63	64

MONITOR HOURLY VALUES

Time	DO	WT	SC
1100	8.3	22.7	67
1200	8.5	22.8	66
1300	8.2	23.1	68

MONITOR DAILY VALUES

	Max	Min	Mean
DO	8.9	8.2	8.5
WT	23.7	22.7	23.2
SC	73	66	67

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 1992 TO SEPTEMBER 1993

Date	West Branch Penobscot River Reservoirs ¹	East Branch Penobscot River Reservoirs ²	Sebec Lake
SEPT. 30, 1992.....	44,055	2,896	1,175
OCT. 31.....	36,658	2,381	1,148
NOV. 30.....	35,982	2,747	2,013
DEC. 31.....	32,166	2,887	1,611
JAN. 31, 1993.....	27,455	2,831	1,584
FEB. 28.....	22,302	2,553	1,502
MAR. 31.....	14,911	1,881	849
APR. 30.....	49,872	5,895	2,013
MAY 31.....	54,663	6,089	1,954
JUNE 30.....	56,942	5,857	2,072
JULY 31.....	50,113	4,784	1,896
AUG. 31.....	44,613	4,111	1,837
SEPT. 30.....	40,736	2,568	1,584

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.

01038000 SHEEPCOT 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 Rte 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: Dec. 8-10, 25, 27, 28, Jan. 2, 3, 10, 11, and Jan. 14 to Mar. 20. Records good except for periods of ice effect, Dec. 8-10, 25, 27, 28, Jan. 2, 3, 10, 11, and Jan. 14 to Mar. 20, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,350 ft³/s, Apr. 1, 1987, gage height, 13.71 ft; minimum, 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)
Apr. 1	0100	1,270	5.37	Apr. 23	1800	1,580	5.89
Apr. 12	1900	*2,870	*7.87				

Minimum discharge, 13 ft³/s, Oct. 5, 6, 9, gage height, 1.76 ft.

**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	18	52	232	128	e125	e70	1230	657	106	50	26	22
2	17	51	222	e121	e115	e69	1160	559	200	47	26	22
3	16	67	214	e113	e108	e68	1130	457	149	45	26	24
4	15	104	207	111	e101	e68	902	401	132	43	25	27
5	14	105	200	178	e94	e67	816	359	124	42	25	27
6	18	111	180	213	e88	e66	818	328	127	39	26	26
7	18	108	177	186	e83	e66	868	312	207	38	25	29
8	15	95	e161	175	e80	e66	920	304	192	37	23	32
9	14	86	e148	166	e78	e67	962	272	174	36	22	31
10	19	79	e135	e150	e75	e70	1060	235	194	38	21	32
11	22	75	126	e137	e71	e75	2140	209	196	36	23	32
12	24	81	119	125	e68	e81	2750	194	219	33	22	31
13	28	209	108	117	e67	e87	2720	181	192	31	22	31
14	28	225	102	e115	e67	e99	2350	167	170	30	22	34
15	25	170	97	e111	e68	e121	1880	152	151	29	22	38
16	23	162	92	e101	e70	e123	1580	140	134	28	21	38
17	22	156	103	e97	e73	e117	1480	131	122	28	21	29
18	20	154	177	e94	e75	e129	1490	121	108	27	27	24
19	23	147	156	e85	e76	e131	1310	114	102	26	26	24
20	30	133	167	e79	e75	e119	1180	111	97	27	24	22
21	38	130	174	e69	e76	109	1030	110	91	28	26	27
22	52	135	158	e75	e77	105	964	107	97	27	25	24
23	51	184	147	e127	e76	103	1460	99	98	26	25	20
24	46	275	141	e150	e76	105	1420	92	84	26	23	20
25	75	263	e135	e190	e75	105	1250	93	75	27	22	20
26	107	255	125	e225	e74	126	1160	106	68	26	22	21
27	90	317	e117	e208	e73	179	1190	99	64	26	20	29
28	72	284	e108	e185	e72	259	1020	95	59	28	20	58
29	62	260	108	e157	---	386	872	91	57	27	19	54
30	58	246	133	e139	---	942	754	85	54	28	18	39
31	55	---	132	e133	---	1200	---	78	---	27	20	---
TOTAL	1115	4719	4601	4260	2256	5378	39866	6459	3843	1006	715	887
MEAN	36.0	157	148	137	80.6	173	1329	208	128	32.5	23.1	29.6
MAX	107	317	232	225	125	1200	2750	657	219	50	27	58
MIN	14	51	92	69	67	66	754	78	54	26	18	20
CFSM	.25	1.08	1.02	.95	.56	1.20	9.16	1.44	.88	.22	.16	.20
IN.	.29	1.21	1.18	1.09	.58	1.38	10.23	1.66	.99	.26	.18	.23

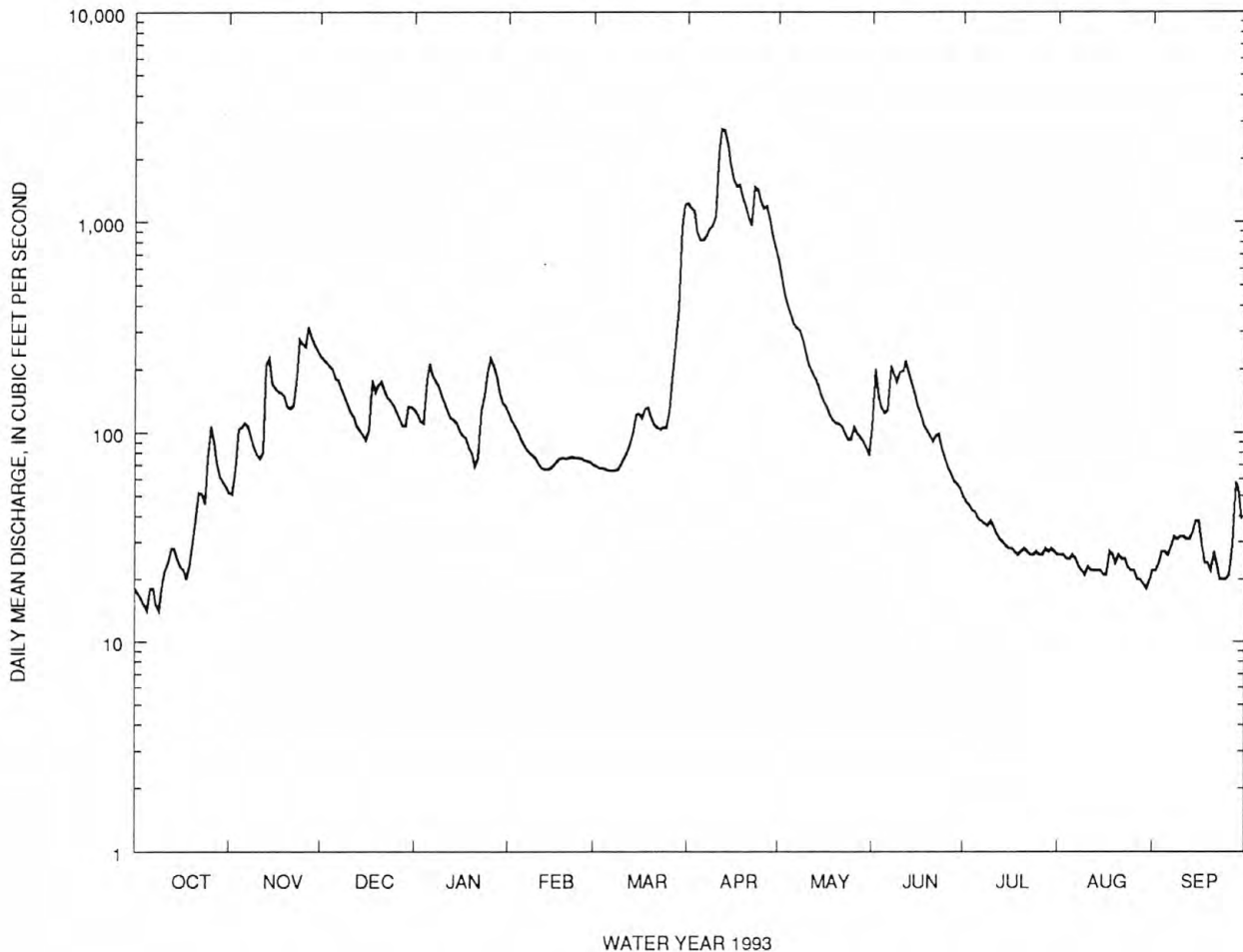
e Estimated

01038000 SHEEPCOT RIVER AT NORTH WHITEFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	88.4	250	325	219	230	432	757	346	168	75.1	50.2	50.2
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1939 - 1993	
ANNUAL TOTAL	80219		75105			
ANNUAL MEAN	219		206		249	
HIGHEST ANNUAL MEAN					427	
LOWEST ANNUAL MEAN					115	
HIGHEST DAILY MEAN	2280		2750		6690	
LOWEST DAILY MEAN	14		14		5.1	
ANNUAL SEVEN-DAY MINIMUM	16		16		5.5	
INSTANTANEOUS PEAK FLOW			2870		7350	
INSTANTANEOUS PEAK STAGE			7.87		13.71	
INSTANTANEOUS LOW FLOW			13		5.0	
ANNUAL RUNOFF (CFSM)	1.51		1.42		1.72	
ANNUAL RUNOFF (INCHES)	20.58		19.27		23.30	
10 PERCENT EXCEEDS	500		392		626	
50 PERCENT EXCEEDS	130		93		130	
90 PERCENT EXCEEDS	25		23		24	



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.--1,266 mi².

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. Usuable 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, 17.54 ft, May 13; minimum observed, 12.98 ft, Mar. 25.

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 1992 TO SEPTEMBER 1993

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.62	13.65	14.07	14.53	14.38	13.72	12.94	17.44	17.46	17.40	16.17	15.44
2	14.50	13.62	14.10	14.56	14.35	13.69	13.05	17.45	17.50	17.37	16.14	15.41
3	14.49	13.56	14.12	14.55	14.32	13.65	13.06	17.45	17.48	17.30	16.11	15.37
4	14.43	13.57	14.12	14.56	14.28	13.61	13.10	17.40	17.47	17.29	16.06	15.41
5	14.36	13.60	14.18	14.56	14.24	13.56	13.15	17.36	17.43	17.25	16.09	15.41
6	14.28	13.61	14.20	14.57	14.20	13.58	13.16	17.32	17.36	17.20	16.05	15.40
7	14.20	13.63	14.20	14.56	14.18	13.57	13.19	17.32	17.33	17.14	16.01	15.43
8	14.12	13.63	14.22	14.59	14.12	13.52	13.21	17.32	17.32	17.14	15.97	15.39
9	14.06	13.63	14.22	14.62	14.08	13.43	13.25	17.32	17.32	17.11	15.92	15.38
10	14.01	13.61	14.22	14.64	14.05	13.41	13.29	17.34	17.31	17.11	15.90	15.32
11	14.01	13.56	14.24	14.64	14.05	13.38	13.43	17.37	17.32	17.06	15.85	15.38
12	13.97	13.60	14.24	14.66	14.03	13.33	13.72	17.42	17.30	17.05	15.84	15.34
13	13.93	13.54	14.25	14.68	14.03	13.29	14.00	17.54	17.28	17.02	15.78	15.29
14	13.88	13.63	14.27	14.66	14.07	13.37	14.23	17.52	17.28	16.98	15.77	15.27
15	13.83	13.66	14.29	14.64	14.03	13.30	14.37	17.46	17.27	16.96	15.75	15.25
16	13.79	13.69	14.32	14.62	14.03	13.24	14.50	17.40	17.25	16.89	15.70	15.22
17	13.73	13.69	14.34	14.60	14.05	13.18	14.66	17.40	17.21	16.85	15.65	15.17
18	13.67	13.70	14.40	14.57	14.07	13.16	14.90	17.38	17.19	16.78	15.70	15.14
19	13.60	13.71	14.40	14.54	14.03	13.14	15.05	17.36	17.24	16.71	15.67	15.10
20	13.56	13.69	14.42	14.52	14.00	13.10	15.24	17.34	17.19	16.60	15.61	15.06
21	13.48	13.70	14.42	14.52	13.99	13.07	15.38	17.33	17.16	16.56	15.65	15.01
22	13.48	13.70	14.41	14.50	14.00	13.02	15.58	17.32	17.28	16.51	15.59	14.97
23	13.48	13.74	14.45	14.50	13.97	13.02	15.92	17.30	17.50	16.49	15.56	14.91
24	13.46	13.80	14.46	14.49	13.94	13.01	16.30	17.29	17.47	16.44	15.53	14.86
25	13.55	13.84	14.45	14.49	13.90	12.98	16.60	17.31	17.46	16.40	15.53	14.77
26	13.58	13.90	14.49	14.49	13.85	12.95	16.90	17.35	17.46	16.34	15.53	14.72
27	13.60	13.94	14.46	14.48	13.80	12.94	17.14	17.36	17.46	16.24	15.50	14.66
28	13.63	13.95	14.47	14.48	13.76	12.90	17.30	17.38	17.45	16.21	15.48	14.68
29	13.64	14.00	14.49	14.46	---	12.89	17.40	17.38	17.44	16.20	15.46	14.66
30	13.65	14.03	14.53	14.44	---	12.90	17.43	17.43	17.43	16.20	15.42	14.65
31	13.65	---	14.51	14.40	---	12.93	---	17.45	---	16.20	15.38	---
TOTAL	430.24	411.18	443.96	451.12	393.80	410.84	441.45	538.81	520.62	521.00	488.37	454.07
MEAN	13.88	13.71	14.32	14.55	14.06	13.25	14.71	17.38	17.35	16.81	15.75	15.14
MAX	14.62	14.03	14.53	14.68	14.38	13.72	17.43	17.54	17.50	17.40	16.17	15.44
MIN	13.46	13.54	14.07	14.40	13.76	12.89	12.94	17.29	17.16	16.20	15.38	14.65
*	11,425	12,754	14,213	13,736	11,646	9,184	23,532	23,598	23,400	19,444	17,108	14,494
#	-3,069	+1,329	+1,459	-477	-2,090	-2,462	+14,348	+66	-198	-3,956	-2,336	-2,614
+	97	95	101	104	99	89	104	129	129	124	115	109

CAL YR 1992 #-6,969

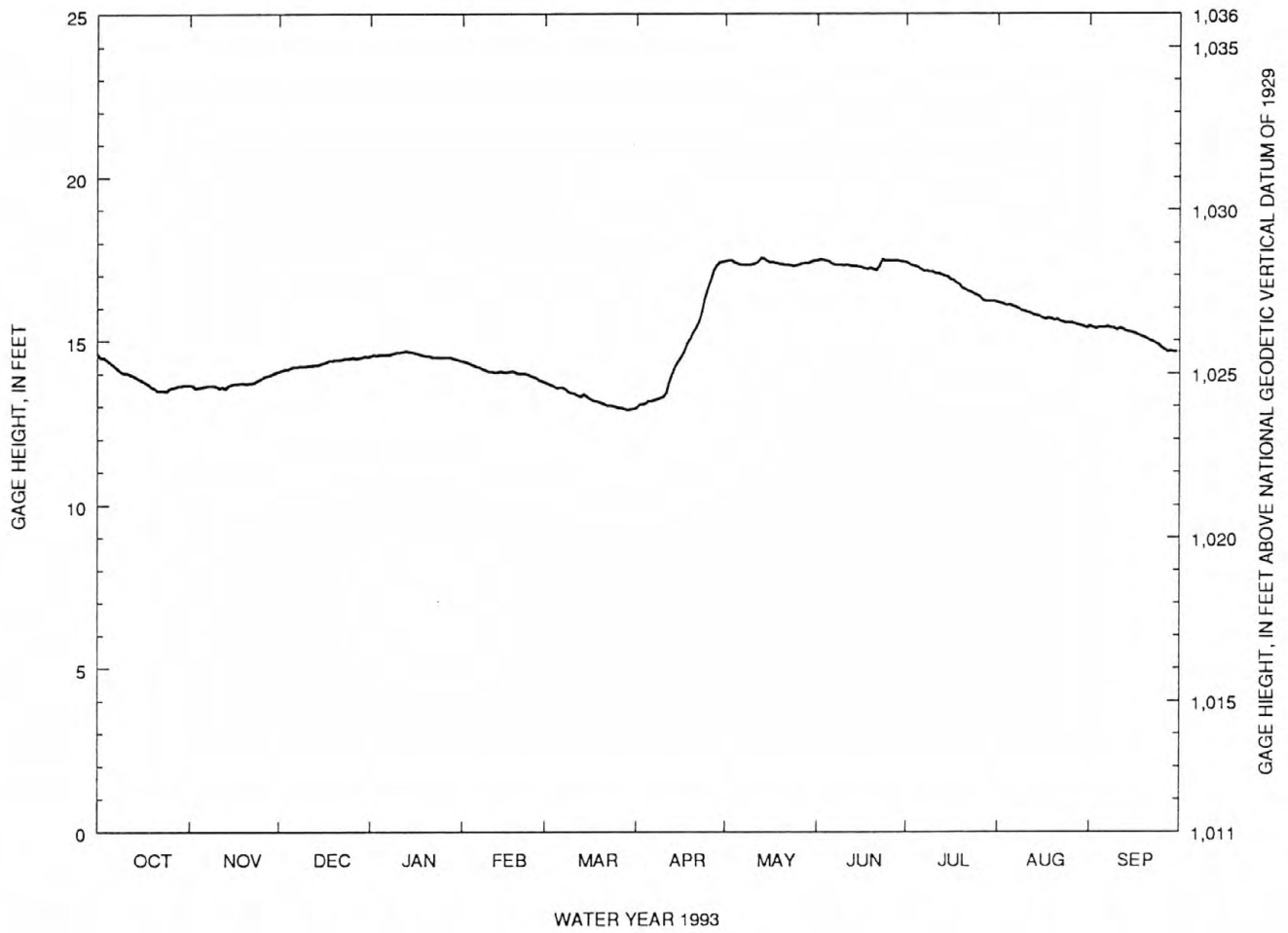
WTR YR 1993 # 0

* 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



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. Dec. 26-28, Jan. 3, Mar. 28 and 29. Records good except for periods of ice effect Dec. 26-28 and Jan. 3 and period of missing gage-height record, Mar. 28 and 29, which are fair. Flow regulated by Moosehead Lake (station 01040500), Brassua Lake, and Moxie, Indian, and First Roach Ponds (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, 161 ft³/s, Aug. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,000 ft³/s, Apr. 18, gage height, 7.34 ft; minimum daily, 351 ft³/s, Jan. 10.

**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	4040	643	1180	1400	4720	3610	1130	8870	3840	4250	862	1600
2	3760	1710	1200	874	4360	3420	1200	8760	4520	3730	2140	1230
3	2590	1850	1280	e1790	3910	3080	1090	8520	3050	2900	2140	826
4	2180	1280	772	2570	2620	3050	663	8550	5140	1930	2120	671
5	3930	1300	738	1170	2590	3030	2350	8000	4370	3620	2130	649
6	4260	1110	918	1480	2400	1880	1900	7260	4040	3930	2160	1230
7	3740	508	1590	712	1890	1860	937	6170	3730	3900	859	1670
8	3620	473	1530	1280	3680	3460	956	5070	3340	3160	845	1740
9	3180	993	1540	869	3140	3140	995	5000	3740	3280	2110	1690
10	1550	2250	1490	351	2570	3980	1130	3370	3570	2730	2620	1640
11	1220	1970	1480	2370	2310	3010	3260	3330	2650	866	2630	1120
12	3160	960	1490	1640	2500	3050	6970	3490	1300	3120	3100	1100
13	3150	683	700	2080	1670	1140	6560	4360	1460	3140	3150	1620
14	3080	725	1180	2280	1010	1050	5400	6540	2190	3550	870	1580
15	3000	677	1440	2260	2570	2940	4180	6310	3220	3700	815	2650
16	2890	1460	1430	1100	2570	3080	4360	6450	2430	2700	2070	2360
17	2240	1440	1430	1010	2450	2570	4280	4840	3180	2720	2070	2950
18	944	1990	1240	2550	3130	2580	9310	5110	2710	950	2630	2260
19	3110	971	627	2590	2500	2340	5960	4570	1690	3060	2000	1140
20	2600	1400	619	3530	1760	1450	4160	4470	929	3120	1230	2560
21	2100	595	1400	1650	984	358	2890	4600	3110	2710	853	3100
22	1340	638	1860	2080	2990	2000	4160	3500	2580	3090	864	2660
23	1610	1460	1820	1580	2790	2030	5550	2510	4040	3510	1640	3150
24	696	921	1420	1030	3690	1630	6230	3860	4340	1230	1590	3090
25	861	866	651	2560	2830	1560	6130	3350	4280	1100	1620	2490
26	1360	855	e660	3090	3080	1650	6990	2600	3800	3010	1610	1270
27	1110	1800	e650	2500	2590	1570	7560	2440	3300	3050	1580	3450
28	1370	1010	e1780	2630	1580	e395	7740	2790	3850	2590	646	3350
29	1510	923	1720	3070	---	e1400	7330	2210	3670	2170	628	1340
30	1840	1240	1650	2090	---	1260	8980	1270	4200	1320	1580	2060
31	518	---	1630	556	---	792	---	2250	---	923	1610	---
TOTAL	72559	34701	39115	56742	74884	68365	130351	150420	98269	85059	52772	58246
MEAN	2341	1157	1262	1830	2674	2205	4345	4852	3276	2744	1702	1942
MAX	4260	2250	1860	3530	4720	3980	9310	8870	5140	4250	3150	3450
MIN	518	473	619	351	984	358	663	1270	929	866	628	649

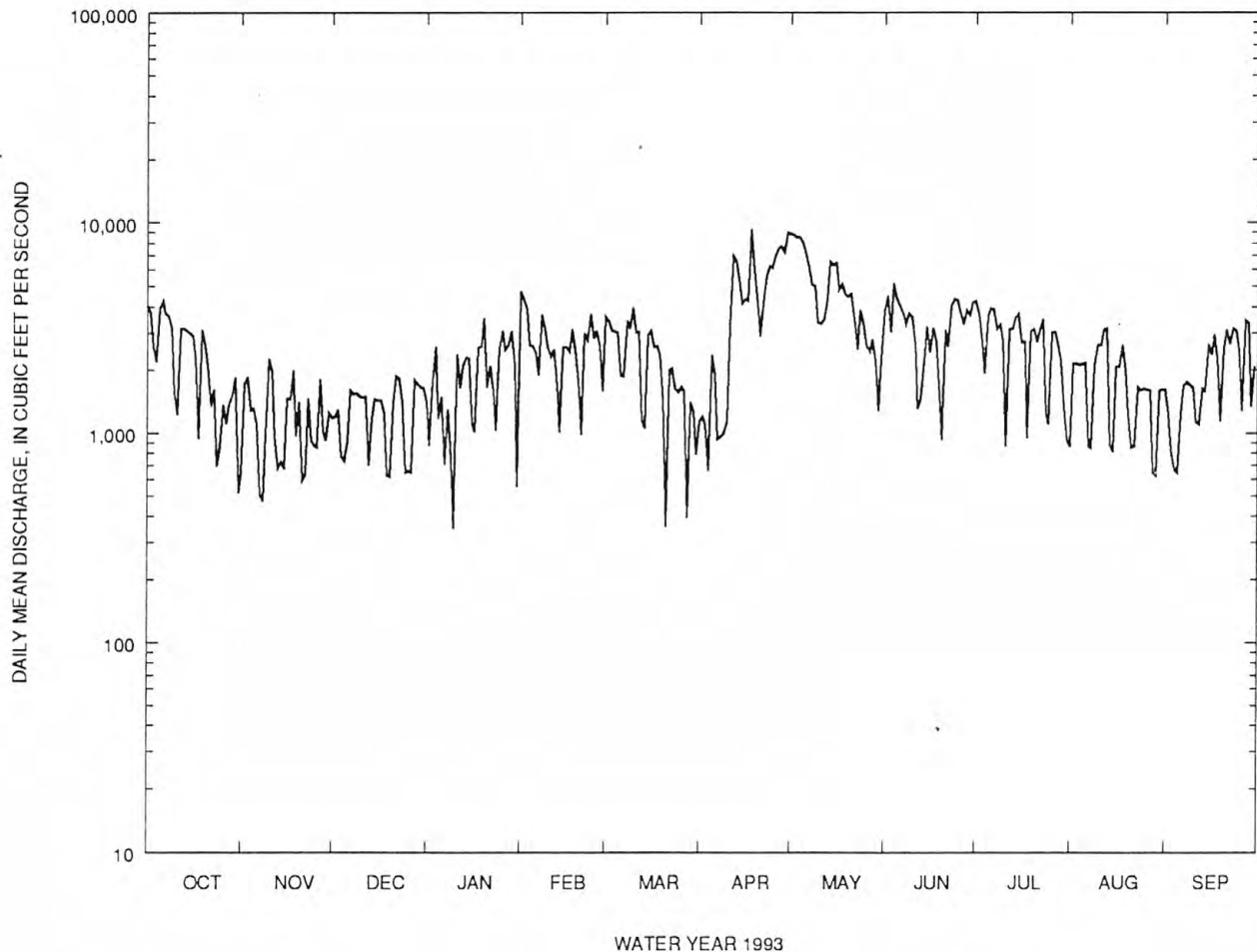
e Estimated

01042500 KENNEBEC RIVER AT THE FORKS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1959	1793	2061	2290	2476	2259	2889	4727	3353	2633	2449	2261
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1904 - 1993	
ANNUAL TOTAL	883790		921483			
ANNUAL MEAN	2415		2525		2597	
HIGHEST ANNUAL MEAN					4380	
LOWEST ANNUAL MEAN					1516	
					1974	
HIGHEST DAILY MEAN	5870		9310		28200	
LOWEST DAILY MEAN	404		351		161	
ANNUAL SEVEN-DAY MINIMUM	962		962		314	
					1984	
INSTANTANEOUS PEAK FLOW			11000		30300	
INSTANTANEOUS PEAK STAGE			7.34		13.78	
					1984	
10 PERCENT EXCEEDS	4030		4360		4310	
50 PERCENT EXCEEDS	2360		2190		2230	
90 PERCENT EXCEEDS	878		862		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 temperatures: 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: Dec. 11 to Mar. 29. Records excellent except for periods of missing gage-height record, Dec. 25 to Jan. 5 and Mar. 8 to Mar. 29, and periods of doubtful gage-height record, Dec. 11 to Dec. 24 and Jan. 6 to Mar. 7, which are good. Flow regulated by Moosehead Lake (station 01040500), Brassua and Flagstaff Lakes, First Roach, Indian, Moxie, and Wyman Ponds (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, 110 ft³/s, Dec. 25, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,400 ft³/s, Apr. 18, gage height, 12.40 ft; minimum daily, 1,570 ft³/s, Mar. 30.

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

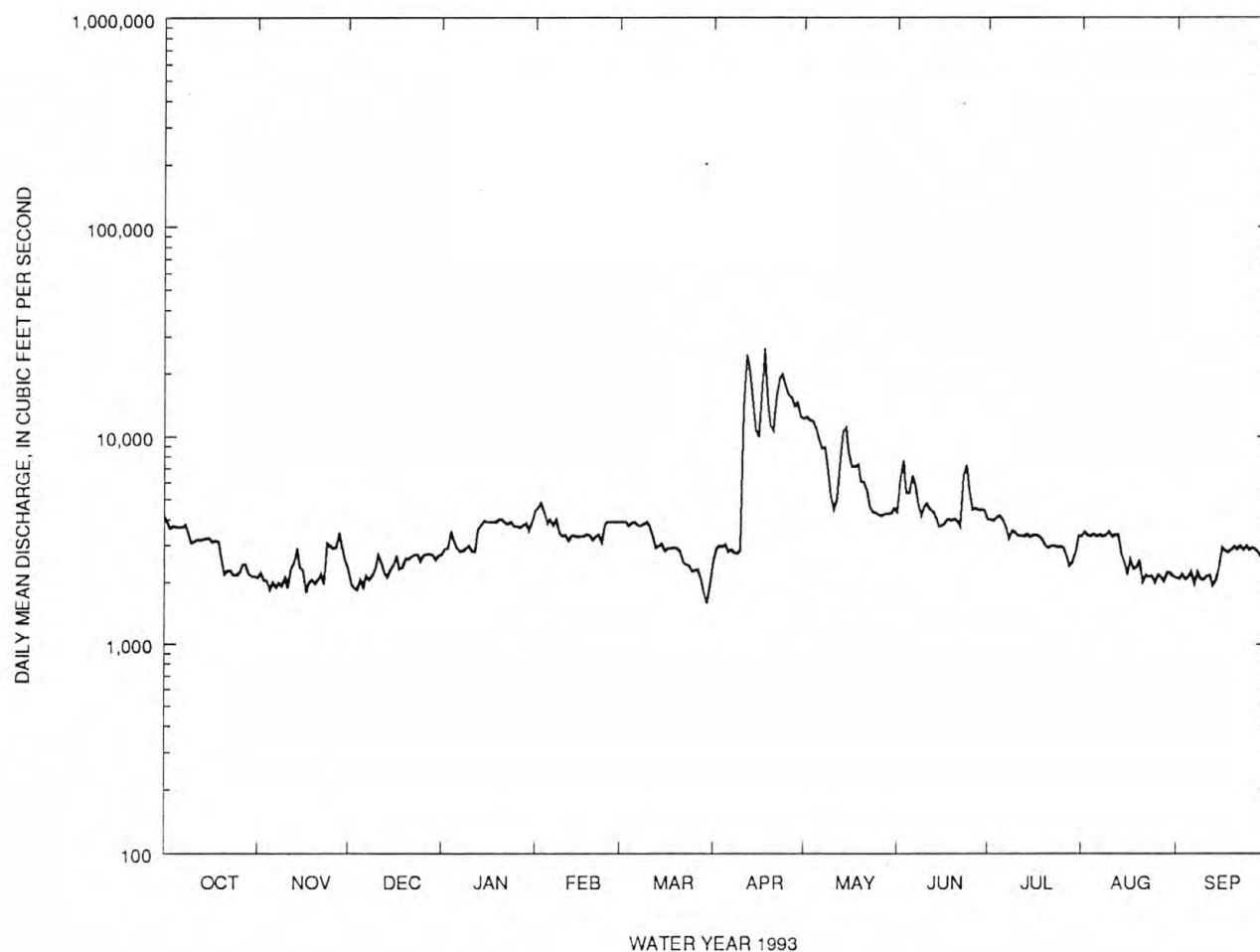
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4140	2100	2310	e2700	e4400	e3890	2520	12100	4390	3990	3310	2100
2	3930	2220	1970	e2880	e4600	e3890	2890	12400	6330	4000	3490	2090
3	3630	2040	1880	e2890	e4800	e3900	2980	12000	7610	3940	3360	2190
4	3720	2040	1830	e3510	e4350	e3730	2950	11800	5360	4110	3310	2070
5	3690	1830	2060	e3180	e3850	e3840	3030	10900	5370	4170	3400	2130
6	3690	1990	1900	e2920	e4000	e3900	2790	9750	6510	3990	3320	2250
7	3680	1890	2140	e2800	e3750	e3740	2860	8810	5760	3710	3370	1970
8	3790	1980	2060	e2820	e4000	e3720	2760	8860	4740	3250	3310	2230
9	3490	1920	2160	e2890	e3420	e3820	2740	7180	4160	3540	3350	2070
10	3080	2150	2330	e2990	e3300	e3900	2830	5200	4630	3470	3500	2060
11	3130	1880	e2710	e2800	e3350	e3700	13700	4500	4780	3340	3290	2140
12	3190	2310	e2480	e2800	e3150	e3300	24500	5060	4470	3340	3370	2160
13	3170	2490	e2200	e3550	e3330	e2910	21500	7230	4360	3300	3370	1930
14	3200	2900	e2110	e3750	e3330	e2980	15200	10500	4030	3410	2740	2040
15	3230	2360	e2280	e3940	e3290	e3050	10800	11000	3700	3280	2470	2340
16	3250	2270	e2410	e3900	e3300	e2820	9980	8340	3730	3350	2180	2920
17	3120	1780	e2680	e3900	e3300	e2890	15500	7170	3890	3350	2570	2840
18	3150	1980	e2310	e3900	e3380	e2900	26200	7170	4030	3300	2320	2770
19	3120	2050	e2350	e3900	e3350	e2920	14500	7300	3940	3200	2360	2860
20	2630	1970	e2590	e4000	e3180	e2890	11200	6120	4040	2970	2560	2950
21	2190	2070	e2580	e4000	e3320	e2800	10700	6020	3880	2930	2010	2870
22	2270	2200	e2650	e3850	e3390	e2500	15600	5510	3700	2990	2160	2990
23	2260	1960	e2700	e3800	e3120	e2420	19200	4620	6530	2970	2120	2860
24	2160	3070	e2700	e3900	e3800	e2390	19800	4340	7260	2940	2140	2970
25	2160	3000	e2520	e3700	e3890	e2250	17400	4290	5620	2960	1990	2860
26	2240	2890	e2680	e3700	e3890	e2290	15700	4200	4470	2920	2170	2930
27	2440	2930	e2720	e3650	e3890	e2300	15300	4160	4530	2670	2130	2850
28	2440	3460	e2720	e3760	e3890	e2050	14000	4260	4450	2390	2030	2750
29	2190	2990	e2710	e3850	---	e1740	14400	4250	4470	2480	2230	2610
30	2120	2550	e2550	e3550	---	1570	12400	4290	4410	2780	2220	2620
31	2130	---	e2690	e3900	---	1940	---	4540	---	3340	2150	---
TOTAL	92630	69270	73980	107680	102620	92940	345930	223870	145150	102380	84300	74420
MEAN	2988	2309	2386	3474	3665	2998	11530	7222	4838	3303	2719	2481
MAX	4140	3460	2720	4000	4800	3900	26200	12400	7610	4170	3500	2990
MIN	2120	1780	1830	2700	3120	1570	2520	4160	3700	2390	1990	1930

e Estimated

01046500 KENNEBEC RIVER AT BINGHAM, ME--Continued

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3425	3562	3553	3538	3697	4143	7228	9129	4898	3526	3304	3309
MAX	9319	9740	12510	7684	6783	15070	16080	22160	13600	7098	6128	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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1908 - 1993	
ANNUAL TOTAL	1401380		1515170			
ANNUAL MEAN	3829		4151		4445	
HIGHEST ANNUAL MEAN					7163	
LOWEST ANNUAL MEAN					2613	
HIGHEST DAILY MEAN	15400	Apr 23	26200	Apr 18	62000	Jun 1 1984
LOWEST DAILY MEAN	1780	Nov 17	1570	Mar 30	110	Dec 25 1947
ANNUAL SEVEN-DAY MINIMUM	1950	Nov 5	1950	Nov 5	587	Nov 18 1908
INSTANTANEOUS PEAK FLOW			31400	Apr 18	65200	Jun 1 1984
INSTANTANEOUS PEAK STAGE			12.40	Apr 18	15.61	Jun 1 1984
10 PERCENT EXCEEDS	5040		7170		7630	
50 PERCENT EXCEEDS	3760		3200		3460	
90 PERCENT EXCEEDS	2200		2110		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: Nov. 17-22 and Dec. 5 to Apr. 11. Records good except for periods of ice effect, Nov. 17-22 and Dec. 5 to Apr. 11, and period of doubtful gage-height record June 26 to Aug. 30, 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 above 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)
Apr. 11	1645	unknown	** 21.78	Apr. 17	2015	*20,000	16.45
Apr. 12	-----	^b 12,700	-----	Apr. 23	1600	7,000	9.68

Minimum discharge, 49 ft³/s, Aug. 30, gage height, 2.45 ft.

^a backwater from ice

^b daily discharge, instantaneous peak occurred on previous day

**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	206	297	644	e220	e100	e98	e2700	1410	457	158	259	56
2	198	278	667	e200	e98	e97	e1700	1440	1200	111	220	102
3	198	300	657	e178	e95	e97	e1270	1250	755	105	188	79
4	195	471	492	e165	e93	e98	e1050	1100	585	105	146	67
5	187	555	e399	e152	e91	e98	e970	1040	489	105	89	65
6	181	717	e330	e550	e90	e99	e1070	1060	451	103	84	85
7	178	678	e345	e520	e89	e99	e1200	1010	501	94	74	131
8	156	460	e310	e418	e88	e98	e1500	893	433	88	68	120
9	119	374	e265	e318	e87	e98	e1800	801	370	84	64	79
10	164	330	e237	e212	e86	e99	e2120	748	374	74	70	70
11	279	342	e240	e156	e85	e101	e10900	707	399	74	108	199
12	258	341	e250	e152	e84	e102	12700	681	362	71	96	219
13	334	952	e285	e147	e83	e105	8700	1160	325	69	81	166
14	268	1450	e269	e142	e84	e114	5420	1200	294	67	72	88
15	259	1020	e253	e138	e87	e124	4150	1040	264	65	67	71
16	236	606	e230	e135	e89	e132	3410	722	240	63	67	66
17	230	e414	e250	e133	e91	e139	9520	656	225	64	66	120
18	230	e374	e300	e131	e95	e146	11000	582	213	67	70	71
19	218	e333	e378	e129	e99	e149	4910	537	242	68	70	71
20	211	e308	e345	e128	e102	e150	3700	514	307	67	77	76
21	211	e304	e290	e127	e103	e140	3060	523	263	66	81	71
22	222	e318	e250	e127	e104	e121	4500	495	278	69	86	91
23	222	728	e220	e160	e103	e112	5850	467	420	68	74	106
24	226	1670	e203	e193	e102	e109	4190	430	287	66	66	71
25	483	1120	e191	e292	e101	e112	2780	483	275	70	68	76
26	658	989	e182	e322	e100	e140	2810	569	246	73	106	79
27	536	1950	e175	e240	e99	e330	2480	480	225	70	91	100
28	422	1640	e169	e174	e98	e720	1870	432	216	71	71	288
29	358	1210	e166	e142	---	e1400	1540	402	205	90	61	299
30	337	813	e192	e121	---	e2100	1410	381	195	212	53	203
31	320	---	e220	e107	---	e4200	---	357	---	198	82	---
TOTAL	8300	21342	9404	6329	2626	11727	120280	23570	11096	2755	2875	3385
MEAN	268	711	303	204	93.8	378	4009	760	370	88.9	92.7	113
MAX	658	1950	667	550	104	4200	12700	1440	1200	212	259	299
MIN	119	278	166	107	83	97	970	357	195	63	53	56
CFSM	.76	2.02	.86	.58	.27	1.07	11.4	2.15	1.05	.25	.26	.32
IN.	.87	2.25	.99	.67	.28	1.24	12.68	2.48	1.17	.29	.30	.36

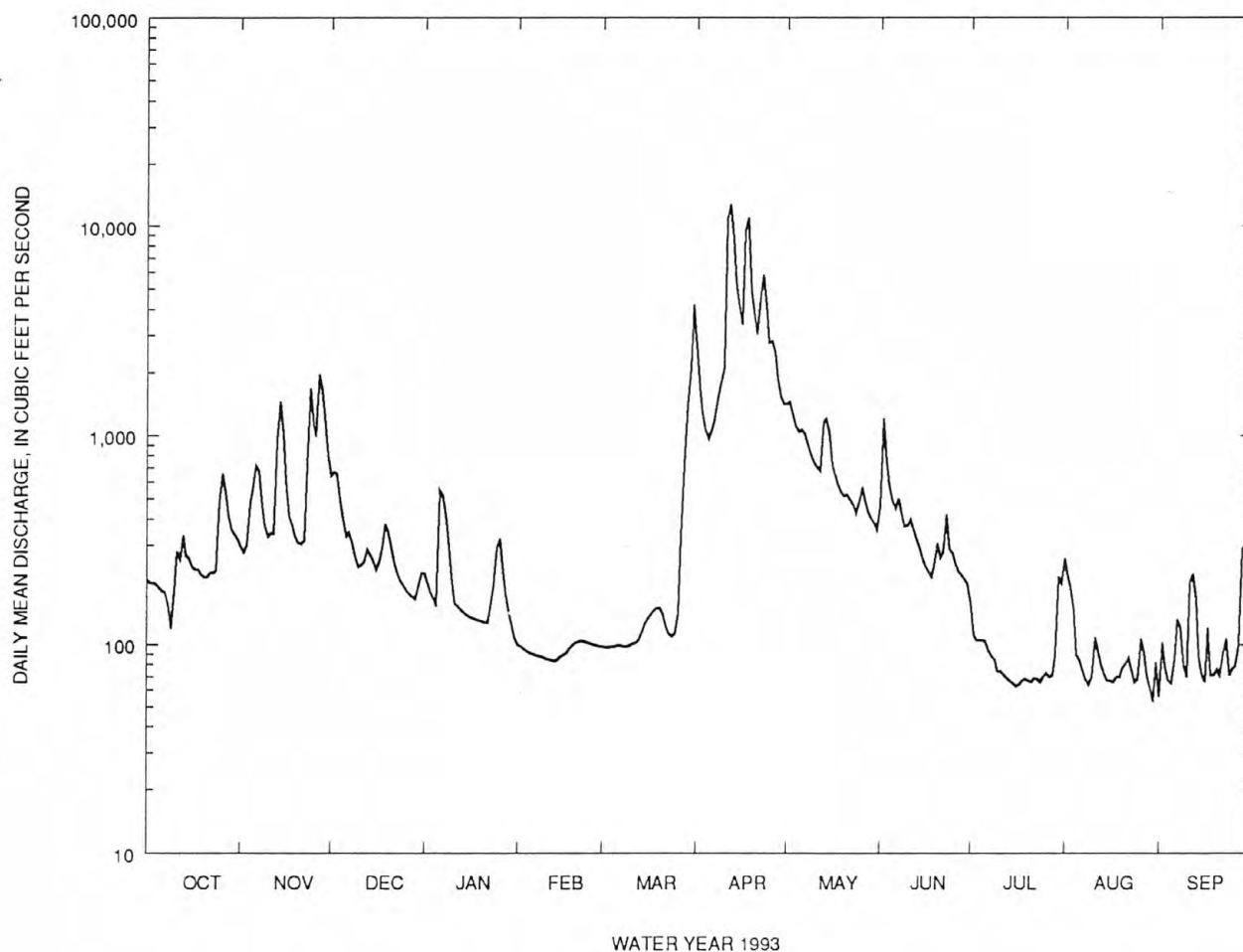
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01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	500	764	600	354	322	819	2336	1594	595	298	229	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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1903 - 1993	
ANNUAL TOTAL	228832		223689			
ANNUAL MEAN	625		613		721	
HIGHEST ANNUAL MEAN					1193	
LOWEST ANNUAL MEAN					333	
					1974	
HIGHEST DAILY MEAN	8900		12700		36000	
LOWEST DAILY MEAN	103		53		27	
ANNUAL SEVEN-DAY MINIMUM	169		66		32	
					Aug 22 1949	
INSTANTANEOUS PEAK FLOW			20000		50700	
INSTANTANEOUS PEAK STAGE			21.78		27.78	
INSTANTANEOUS LOW FLOW			49		18	
					Oct 29 1929	
ANNUAL RUNOFF (CFSM)	1.77		1.74		2.04	
ANNUAL RUNOFF (INCHES)	24.11		23.57		27.75	
10 PERCENT EXCEEDS	1350		1230		1750	
50 PERCENT EXCEEDS	347		211		310	
90 PERCENT EXCEEDS	197		71		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.--514 mi².

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

REVISED RECORDS.--WSP 756: 1933. WSP 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: Nov. 17-21 and Dec. 6 to Mar. 31. Records good except for periods of ice effect, Nov. 17-21 and Dec. 6 to Mar. 31, 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 above 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)
Apr. 13	0345	15,100	10.58	Apr. 23	2045	8,290	8.47
Apr. 18	0530	*22,500	*12.64				

Minimum discharge, 54 ft³/sec, Sept. 19-20 and 25-26, gage height, 2.50 ft.

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	166	270	737	e240	e144	e143	3670	1800	445	151	184	59
2	152	251	653	e233	e140	e140	2160	1710	1690	141	168	57
3	144	254	593	e210	e137	e141	1760	1530	1170	134	143	57
4	139	501	544	e175	e135	e142	1510	1380	792	129	117	66
5	134	580	495	e225	e132	e143	1440	1270	616	126	100	66
6	129	713	e328	e300	e129	e142	1530	1190	538	127	91	61
7	124	698	e370	e540	e128	e141	1790	1150	668	118	85	61
8	121	529	e305	e420	e127	e142	2230	1120	600	109	79	60
9	121	426	e270	e335	e125	e144	2800	990	477	104	74	60
10	136	339	e255	e275	e124	e147	3310	874	486	98	75	69
11	227	319	e250	e235	e122	e148	7590	813	651	92	118	69
12	271	335	e268	e205	e121	e149	13600	785	569	87	106	87
13	350	660	e320	e192	e120	e150	12400	1170	489	82	91	112
14	349	1540	e315	e180	e123	e180	7980	1570	422	79	84	93
15	275	928	e295	e172	e127	e280	6000	1100	354	77	78	78
16	235	676	e280	e165	e129	e345	4810	913	306	74	75	67
17	214	e495	e297	e161	e134	e320	7810	819	273	72	75	60
18	206	e405	e340	e159	e139	e322	17000	706	251	72	78	59
19	205	e345	e480	e157	e144	e328	6260	629	248	71	92	56
20	194	e276	e390	e156	e149	e300	4940	591	349	72	95	55
21	188	e313	e330	e158	e150	e286	4080	598	361	71	90	58
22	185	358	e278	e169	e151	e263	5230	589	329	69	84	59
23	185	473	e245	e195	e150	e247	7110	533	416	70	81	58
24	185	1310	e220	e260	e149	e246	5650	502	399	72	78	56
25	254	1090	e195	e457	e148	e247	3570	511	294	72	81	55
26	737	882	e175	e465	e147	e276	3360	775	239	71	81	59
27	620	1610	e165	e326	e146	e394	3530	632	209	71	92	69
28	455	1570	e160	e254	e145	e758	2490	511	191	73	90	89
29	365	1090	e155	e203	---	e1720	2110	456	179	91	76	178
30	315	868	e180	e171	---	e4180	1920	420	162	121	66	186
31	288	---	e215	e153	---	e5090	---	389	---	178	60	---
TOTAL	7669	20104	10103	7546	3815	17654	149640	28026	14173	2974	2887	2219
MEAN	247	670	326	243	136	569	4988	904	472	95.9	93.1	74.0
MAX	737	1610	737	540	151	5090	17000	1800	1690	178	184	186
MIN	121	251	155	153	120	140	1440	389	162	69	60	55
CFSM	.48	1.30	.63	.47	.27	1.11	9.70	1.76	.92	.19	.18	.14
IN.	.56	1.45	.73	.55	.28	1.28	10.83	2.03	1.03	.22	.21	.16

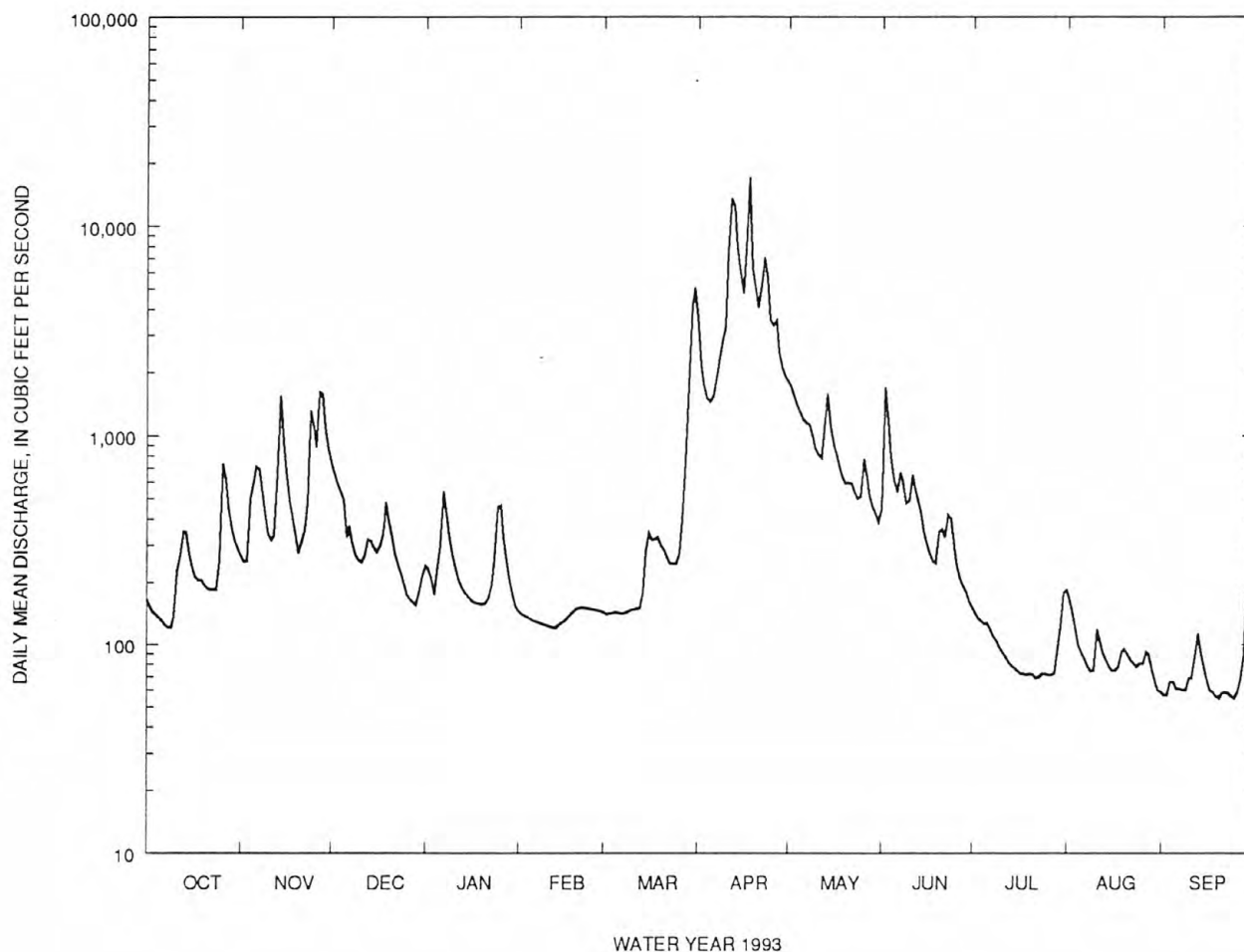
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01048000 SANDY RIVER NEAR MERCER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	567	962	828	529	489	1213	3448	1962	748	357	257	279
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1929 - 1993	
ANNUAL TOTAL	273477		266810		971	
ANNUAL MEAN	747		731		1583	
HIGHEST ANNUAL MEAN					436	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	11800	Mar 29	17000	Apr 18	31400	Mar 27 1953
LOWEST DAILY MEAN	120	Sep 21	55	Sep 20	32	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	129	Oct 4	57	Sep 19	33	Sep 19 1939
INSTANTANEOUS PEAK FLOW			22500	Apr 18	38600	Mar 19 1936
INSTANTANEOUS PEAK STAGE			12.64	Apr 18	18.89	Feb 12 1979
INSTANTANEOUS LOW FLOW			54	Sep 19	32	Sep 22 1939
ANNUAL RUNOFF (CFSM)	1.45		1.42		1.89	
ANNUAL RUNOFF (INCHES)	19.79		19.31		25.67	
10 PERCENT EXCEEDS	1690		1550		2460	
50 PERCENT EXCEEDS	358		227		421	
90 PERCENT EXCEEDS	171		73		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: Dec. 25-29, Jan. 3-4, 10-13, 19-20, Jan. 22 to Feb. 28, Mar. 3-9, 13-16, 18-21, and 23-24. Records good except for periods of ice effect Dec. 25-29, Jan. 3-4, 10-13, 19-20, Jan. 22 to Feb. 28, Mar. 3-9, 13-16, 18-21, and 23-24, which are fair. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2,345,000,000 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, 4.5 ft³/s, Nov. 10, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,720 ft³/s, Apr. 15, gage height, 10.74 ft, minimum daily, 13 ft³/s, Dec. 10-12, Jan. 22-24.

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	463	197	753	398	e111	81	1980	2420	316	126	65	57
2	318	201	732	244	e102	82	1990	2000	557	134	70	60
3	389	201	711	e173	e100	e62	1860	1700	691	110	74	58
4	338	250	692	e395	e98	e42	1690	1560	740	143	76	72
5	343	194	673	361	e96	e61	1620	1260	750	138	81	58
6	294	177	656	231	e94	e91	1760	1010	738	119	66	74
7	303	169	499	163	e92	e61	1850	934	766	117	60	121
8	264	195	318	83	e49	e91	2040	867	766	120	44	595
9	272	149	149	121	e65	e65	2290	819	717	111	53	902
10	272	55	13	e45	e58	112	2640	755	686	110	38	1110
11	222	108	13	e85	e65	97	3520	698	617	102	30	1130
12	188	167	13	e74	e58	92	5640	656	614	101	66	1080
13	223	327	71	e30	e91	e675	8050	747	411	97	58	1010
14	421	552	60	100	e49	e1040	9440	884	403	86	64	939
15	205	623	36	53	e91	e984	9610	936	454	87	60	869
16	232	620	38	72	e52	e926	9230	952	397	84	59	808
17	235	496	79	72	e91	752	8580	908	369	82	56	754
18	199	523	284	33	e91	e475	7920	851	323	74	65	706
19	203	412	359	e253	e91	e429	7390	793	370	82	61	638
20	192	216	163	e128	e91	e439	6870	728	420	75	68	584
21	193	117	141	72	e91	e419	6230	687	449	73	75	507
22	247	106	181	e13	e91	372	5500	701	339	80	60	535
23	213	147	154	e13	e91	e69	5520	706	326	82	54	473
24	214	433	139	e13	e91	e60	5870	655	318	103	60	475
25	272	676	e133	e109	e91	73	5990	294	288	83	59	465
26	345	714	e133	e239	e56	112	5710	368	320	79	62	402
27	346	720	e131	e239	e64	154	5180	590	220	64	57	420
28	285	788	e126	e158	e91	187	4550	600	272	84	57	445
29	235	808	e121	e180	---	398	3740	431	222	77	56	385
30	267	779	308	e136	---	702	2990	228	134	74	59	351
31	189	---	452	e111	---	1280	---	370	---	67	63	---
TOTAL	8382	11120	8331	4397	2301	10483	147250	27108	13993	2964	1876	16083
MEAN	270	371	269	142	82.2	338	4908	874	466	95.6	60.5	536
MAX	463	808	753	398	111	1280	9610	2420	766	143	81	1130
MIN	188	55	13	13	49	42	1620	228	134	64	30	57

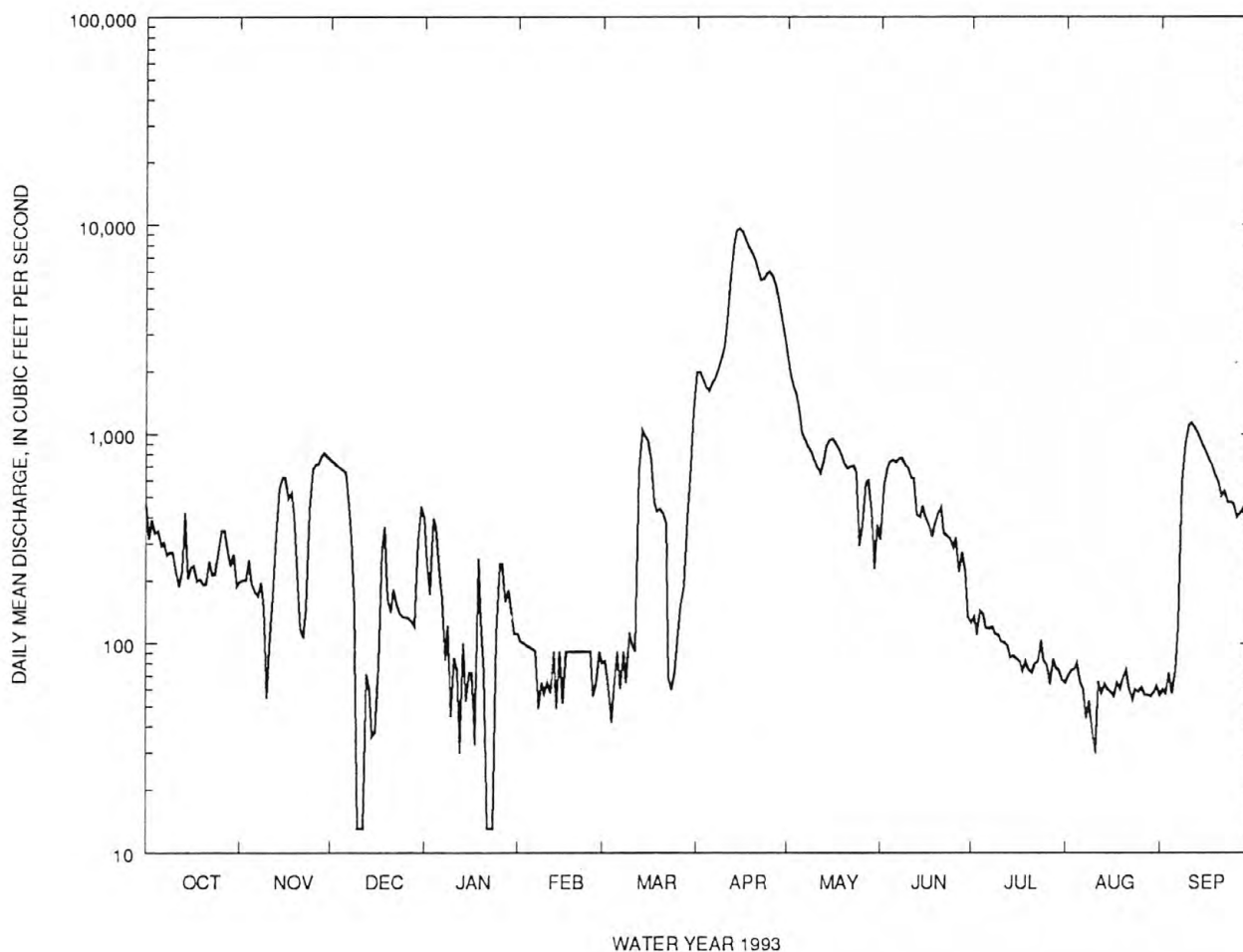
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01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	469	914	1041	684	662	1284	3405	1448	642	337	289	395
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1929 - 1993	
ANNUAL TOTAL	253515		254288			
ANNUAL MEAN	693		697		960	
HIGHEST ANNUAL MEAN					1645	
LOWEST ANNUAL MEAN					437	
HIGHEST DAILY MEAN	5420		9610		17200	
LOWEST DAILY MEAN	13		13		4.5	
ANNUAL SEVEN-DAY MINIMUM	35		35		6.6	
INSTANTANEOUS PEAK FLOW			9720		17600	
INSTANTANEOUS PEAK STAGE			10.74		15.53	
10 PERCENT EXCEEDS	1950		1180		2460	
50 PERCENT EXCEEDS	345		220		495	
90 PERCENT EXCEEDS	103		60		118	



KENNEBEC RIVER BASIN

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

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

DRAINAGE AREA.--5,403 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

REVISED RECORDS.--WDR ME-81-1: Drainage area. WDR ME-83-1: 1979(M). WDR ME-86-1:1984, 1985. WDR ME-88-1: Gage datum.

GAGE.--Water-stage recorder. Datum of gage is 15.12 ft above National Geodetic Vertical Datum of 1929. Prior to Oct 1, 1979, at datum 21.90 ft higher. Since July 10, 1980, auxiliary water-stage recorder 11.5 mi downstream from base gage.

REMARKS.--Estimated daily discharges: Oct. 1 to Mar. 29 and May 26 to Sept. 30. Records good except for period of ice effect, Dec. 5 to Mar. 30, which is fair. Flow regulated by Moosehead Lake (station 01040500), Brassua and Flagstaff Lakes, First Roach, Indian, Moxie, and Wyman Ponds (Reservoirs in Kennebec River Basin). Telephone and satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 232,000 ft³/s, Apr. 2, 1987, gage height, 39.31 ft; minimum daily, 1,160 ft³/s, July 7, 1988, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 91,000 ft³/s, Apr. 12, gage height, 23.61 ft; minimum daily, 2,620 ft³/s, Sept. 5.

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	e6060	e3760	e6660	e4590	e4960	e4970	18500	21800	e7510	e5450	e4700	e2700
2	e5320	e3850	e6070	e4170	e5110	e5040	14100	20700	e13600	e4970	e4940	e2720
3	e5230	e3870	e5830	e4110	e6060	e5050	12900	20300	e15100	e5140	e4790	e2690
4	e5140	e5270	e5840	e5030	e5920	e5030	12000	19400	e10500	e5100	e4700	e2720
5	e5200	e4890	e5400	e5370	e4890	e5050	11600	18000	e9080	e5280	e4590	e2620
6	e4990	e5700	e4860	e4710	e4680	e5050	12400	16700	e9910	e5140	e4530	e2950
7	e5160	e5760	e4640	e5470	e4760	e5000	13700	15500	e10400	e4700	e4270	e2750
8	e5050	e4710	e4500	e5170	e4920	e4940	15300	14700	e8800	e4150	e4590	e3160
9	e4650	e4190	e4260	e4570	e4730	e5140	17600	14100	e7930	e4380	e4460	e3660
10	e4470	e3900	e4050	e4160	e4170	e5020	19400	12200	e7750	e4380	e4350	e3930
11	e4850	e3950	e4730	e4260	e4220	e4920	39500	10400	e8280	e4190	e4590	e3940
12	e4820	e4070	e4460	e3920	e4040	e4730	85800	8800	e8350	e4120	e4540	e3950
13	e5420	e6070	e4490	e4340	e4300	e4530	81200	9910	e7480	e4050	e4600	e3960
14	e5830	e10900	e3510	e4990	e4140	e4930	58900	13600	e6870	e4030	e4230	e3940
15	e5220	e8390	e3890	e5020	e4220	e5220	46700	14900	e6040	e4100	e3620	e3710
16	e4870	e6350	e3710	e3880	e4280	e5290	40100	14400	e5830	e3930	e3580	e4300
17	e4770	e4770	e4340	e5020	e4340	e4990	38000	12900	e5770	e4000	e3620	e4230
18	e4520	e4710	e4720	e4920	e4300	e4940	77500	11900	e5800	e4150	e3660	e4240
19	e4730	e4490	e5000	e4960	e4400	e4930	53600	11400	e5860	e3940	e3680	e4170
20	e4480	e4010	e4790	e5210	e4260	e4770	37900	11000	e6440	e3550	e3580	e4120
21	e3700	e3930	e4510	e5080	e4260	e4850	32700	9590	e6620	e3780	e3610	e4040
22	e3730	e4150	e4400	e4860	e4400	e4430	33200	9130	e6180	e3440	e3310	e4080
23	e3580	e4820	e4300	e4970	e4340	e3600	46900	8440	e7630	e3570	e3380	e4070
24	e3680	e9660	e4030	e5060	e4490	e3710	50300	6690	e11100	e3550	e3330	e3960
25	e4420	e9580	e3440	e6240	e4870	e3680	39500	6530	e8210	e3610	e3470	e4030
26	e6370	e8410	e3890	e6030	e4860	e4140	33300	e8090	e6540	e3500	e3250	e3950
27	e5980	e11700	e3650	e5700	e4790	e4740	33500	e8050	e6240	e3540	e3440	e3930
28	e5340	e12600	e4000	e5320	e4860	e5330	29400	e7380	e6090	e3490	e3350	e4290
29	e4430	e8580	e4030	e5170	---	e8500	26800	e7380	e6110	e3670	e3320	e4190
30	e4010	e7990	e4260	e4740	---	10300	24200	e7150	e5690	e4240	e3230	e4010
31	e3900	---	e4290	e4400	---	17300	---	e7150	---	e4840	e3090	---
TOTAL	149920	185030	140550	151440	129570	170120	1056500	378190	237710	129980	122400	111010
MEAN	4836	6168	4534	4885	4627	5488	35220	12200	7924	4193	3948	3700
MAX	6370	12600	6660	6240	6060	17300	85800	21800	15100	5450	4940	4300
MIN	3580	3760	3440	3880	4040	3600	11600	6530	5690	3440	3090	2620

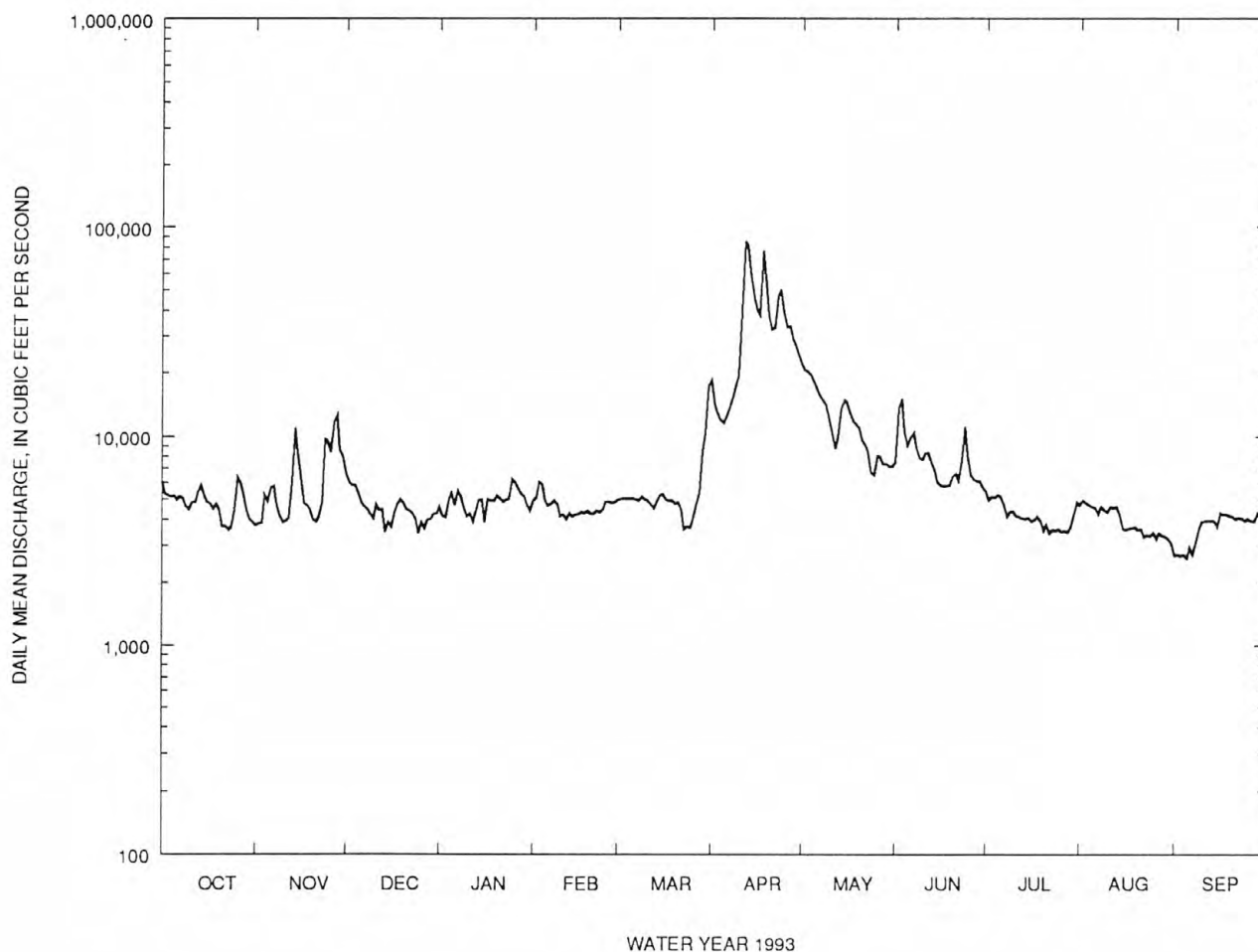
e Estimated

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6884	8776	7826	6230	6484	10970	22320	14240	9187	5041	4955	5355
MAX	15020	17620	17660	12230	10200	22470	36430	25530	29420	10550	7196	7636
(WY)	1982	1991	1991	1986	1981	1979	1983	1989	1984	1984	1991	1981
MIN	4061	3735	3579	3409	3446	4995	7110	6016	3252	3362	3036	3700
(WY)	1979	1985	1985	1985	1980	1989	1981	1985	1988	1980	1987	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1979 - 1993	
ANNUAL TOTAL	2859660		2962420			
ANNUAL MEAN	7813		8116		9015	
HIGHEST ANNUAL MEAN					13730	
LOWEST ANNUAL MEAN					5617	
					1984	
HIGHEST DAILY MEAN	50600	Mar 29	85800	Apr 12	186000	Apr 2 1987
LOWEST DAILY MEAN	3440	Dec 25	2620	Sep 5	1160	Jul 7 1988
ANNUAL SEVEN-DAY MINIMUM	3900	Dec 24	2740	Sep 1	2270	Sep 2 1987
INSTANTANEOUS PEAK FLOW			91000	Apr 12	232000	Apr 2 1987
INSTANTANEOUS PEAK STAGE			23.61	Apr 12	39.31	Apr 2 1987
10 PERCENT EXCEEDS	12800		14200		17400	
50 PERCENT EXCEEDS	6290		4860		6020	
90 PERCENT EXCEEDS	4380		3660		3780	



KENNEBEC RIVER BASIN

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to October 1984. Seasonal records November 1984 to current year.

pH: October 1978 to October 1984. Seasonal records November 1984 to current year.

WATER TEMPERATURE: October 1978 to October 1984. Seasonal records November 1984 to current year.

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

INSTRUMENTATION.--Water-quality monitor since October 1978. Continuous flow through system.

Submersible pump located 50 ft streamward from right bank.

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, 174 μ S/cm, July 13, 1979; minimum, 30 μ S/cm, June 1, 2, 4, 1984, Sept. 23, 1986.

pH: Maximum, 7.8 units, July 16, 17, 1991; minimum, 6.1 units, Mar. 26, July 27, 1979, June 29, 1981.

WATER TEMPERATURE: Maximum, 28.5°C, Aug. 6, 13, 1988; minimum, 0.0°C, on many days during winter periods 1979 to 1984.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	STREAM FLOW, INSTAN- TANEOUS (CFS) (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 OF SATUR- ATION) (MG/L) (00300)	OXYGEN, (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)
OCT												
20...	1115	E 4,480	73	7.3	4.5	11.0	1.2	768	10.3	92	1000	100
DEC												
15...	1055	E 3,890	86	7.3	-3.0	0.0	1.5	769	14.0	95	200	88
FEB												
10...	1330	E 4,170	74	7.2	-1.0	0.0	1.7	765	14.2	97	150	K 12
APR												
09...	1200	18,200	63	7.2	11.0	1.0	3.7	769	14.3	99	--	120
JUN												
08...	1100	E 8,800	54	7.3	19.0	14.5	2.2	762	10.2	100	86	K 5
AUG												
10...	1100	E 4,350	74	7.1	22.0	23.0	1.2	770	7.3	84	120	110
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												
20...	16	4.8	1.0	6.5	0.80	17	0.0	14	7.7	6.5	<0.10	
DEC												
15...	18	5.2	1.2	9.2	0.80	18	0.0	15	9.2	8.9	<0.10	
FEB												
10...	17	4.8	1.2	6.9	1.0	16	0.0	13	7.1	6.7	<0.10	
APR												
09...	18	5.2	1.2	4.2	1.0	15	0.0	12	4.6	6.5	<0.10	
JUN												
08...	17	4.8	1.1	3.8	0.70	14	0.0	11	4.1	4.3	<0.10	
AUG												
10...	17	5.1	1.0	7.3	0.90	16	0.0	13	7.1	7.4	<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.

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
OCT										
20...	3.3	57	39	<0.01	<0.01	0.12	0.10	0.02	0.03	0.04
DEC										
15...	4.8	57	49	0.02	0.02	0.15	0.15	0.07	0.06	0.08
FEB										
10...	4.5	40	40	--	0.05	--	0.21	--	0.05	0.06
APR										
09...	4.3	47	35	--	<0.01	--	0.15	--	0.06	0.08
JUN										
08...	3.6	36	29	--	<0.01	--	0.09	--	0.02	0.03
AUG										
10...	2.8	55	40	--	<0.01	--	0.08	--	0.02	0.03

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
OCT										
20...	0.20	0.04	0.03	0.02	0.01	30	4	<3	69	<4
DEC										
15...	0.30	0.05	0.02	0.02	0.03	--	--	--	--	--
FEB										
10...	0.20	0.09	0.08	--	0.08	40	5	<3	83	<4
APR										
09...	0.30	0.05	0.03	--	0.02	80	4	<3	79	<4
JUN										
08...	<0.20	0.03	0.03	--	0.02	--	--	--	--	--
AUG										
10...	0.30	0.04	0.05	--	0.03	30	4	<3	61	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
20...	14	<10	1	<1	<1	26	8	4	48	69
DEC										
15...	--	--	--	--	--	--	--	4	42	71
FEB										
10...	18	<10	<1	<1	<1	25	<6	3	34	69
APR										
09...	30	<10	<1	<1	<1	24	<6	13	639	89
JUN										
08...	--	--	--	--	--	--	--	3	71	83
AUG										
10...	8	<10	1	<1	<1	23	<6	3	35	77

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

[illegible][illegible]

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER				JANUARY		
1	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
2	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
3	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
4	7.4	7.0	7.2		---	---	---		---	---	---		---	---	---
5	7.4	7.1	7.2		---	---	---		---	---	---		---	---	---
6	7.4	7.1	7.2		---	---	---		---	---	---		---	---	---
7	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
8	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
9	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
10	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
11	7.1	7.0	7.0		---	---	---		---	---	---		---	---	---
12	7.1	7.0	7.0		---	---	---		---	---	---		---	---	---
13	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
14	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
15	7.1	7.0	7.1		---	---	---		---	---	---		---	---	---
16	7.1	7.0	7.0		---	---	---		---	---	---		---	---	---
17	7.2	7.0	7.0		---	---	---		---	---	---		---	---	---
18	7.2	7.0	7.1		---	---	---		---	---	---		---	---	---
19	7.3	7.0	7.2		---	---	---		---	---	---		---	---	---
20	7.4	7.2	7.3		---	---	---		---	---	---		---	---	---
21	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
22	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
23	7.4	7.1	7.2		---	---	---		---	---	---		---	---	---
24	7.3	7.1	7.2		---	---	---		---	---	---		---	---	---
25	7.3	7.2	7.2		---	---	---		---	---	---		---	---	---
26	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
27	7.3	7.2	7.3		---	---	---		---	---	---		---	---	---
28	7.4	7.3	7.3		---	---	---		---	---	---		---	---	---
29	7.4	7.3	7.3		---	---	---		---	---	---		---	---	---
30	7.4	7.2	7.3		---	---	---		---	---	---		---	---	---
31	7.4	7.2	7.3		---	---	---		---	---	---		---	---	---
MONTH	7.4	7.0	7.2		---	---	---		---	---	---		---	---	---

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.5	14.5	15.0	---	---	---	---	---	---	---	---	---
2	15.0	14.5	14.5	---	---	---	---	---	---	---	---	---
3	16.0	14.0	15.0	---	---	---	---	---	---	---	---	---
4	15.0	14.0	14.5	---	---	---	---	---	---	---	---	---
5	14.0	13.0	13.5	---	---	---	---	---	---	---	---	---
6	14.0	12.5	13.5	---	---	---	---	---	---	---	---	---
7	14.0	12.5	13.5	---	---	---	---	---	---	---	---	---
8	14.5	13.0	13.5	---	---	---	---	---	---	---	---	---
9	14.0	13.5	14.0	---	---	---	---	---	---	---	---	---
10	14.5	13.5	14.0	---	---	---	---	---	---	---	---	---
11	14.5	14.0	14.0	---	---	---	---	---	---	---	---	---
12	14.5	14.0	14.5	---	---	---	---	---	---	---	---	---
13	15.0	14.0	14.5	---	---	---	---	---	---	---	---	---
14	14.5	14.0	14.0	---	---	---	---	---	---	---	---	---
15	14.0	13.5	13.5	---	---	---	---	---	---	---	---	---
16	13.5	13.0	13.5	---	---	---	---	---	---	---	---	---
17	13.5	13.0	13.0	---	---	---	---	---	---	---	---	---
18	13.0	12.0	12.5	---	---	---	---	---	---	---	---	---
19	12.0	11.5	11.5	---	---	---	---	---	---	---	---	---
20	12.0	11.0	11.0	---	---	---	---	---	---	---	---	---
21	11.0	10.5	11.0	---	---	---	---	---	---	---	---	---
22	11.0	10.5	10.5	---	---	---	---	---	---	---	---	---
23	11.0	10.0	10.5	---	---	---	---	---	---	---	---	---
24	11.0	10.0	10.5	---	---	---	---	---	---	---	---	---
25	10.5	10.0	10.0	---	---	---	---	---	---	---	---	---
26	10.0	9.5	9.5	---	---	---	---	---	---	---	---	---
27	9.5	9.0	9.5	---	---	---	---	---	---	---	---	---
28	9.5	9.0	9.0	---	---	---	---	---	---	---	---	---
29	9.5	8.5	9.0	---	---	---	---	---	---	---	---	---
30	10.0	9.0	9.5	---	---	---	---	---	---	---	---	---
31	9.0	8.0	8.5	---	---	---	---	---	---	---	---	---
MONTH	16.0	8.0	12.5	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	7.5	7.0	7.5
2	---	---	---	---	---	---	---	---	---	8.5	7.5	8.0
3	---	---	---	---	---	---	---	---	---	9.0	8.0	8.5
4	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
5	---	---	---	---	---	---	---	---	---	10.0	8.5	9.0
6	---	---	---	---	---	---	---	---	---	10.5	9.5	10.0
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	13.5	11.5	12.5
15	---	---	---	---	---	---	---	---	---	13.0	11.0	12.0
16	---	---	---	---	---	---	---	---	---	13.0	11.5	12.0
17	---	---	---	---	---	---	---	---	---	13.5	11.5	12.5
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
28	---	---	---	---	---	---	---	---	---	15.5	14.5	15.0
29	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
30	---	---	---	---	---	---	---	---	---	14.5	14.0	14.0
31	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
MONTH	---	---	---	---	---	---	---	---	---	15.5	7.0	11.5

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.0	13.5	14.0	24.0	21.5	22.5	24.5	22.0	23.0	24.5	23.0	23.5
2	14.5	13.0	13.5	23.0	21.0	22.0	23.5	22.5	23.0	24.5	22.5	23.5
3	14.0	13.5	14.0	21.5	21.0	21.0	24.5	22.5	23.5	24.0	22.5	23.0
4	14.5	13.0	13.5	22.5	20.5	21.5	25.0	23.0	24.0	23.5	22.5	23.0
5	14.5	13.5	13.5	23.0	21.0	22.0	25.5	23.5	24.0	24.5	22.5	23.5
6	14.0	13.5	13.5	24.0	21.5	22.5	25.5	23.5	24.5	24.5	23.0	23.5
7	15.5	13.5	14.5	24.0	22.5	23.5	25.5	23.0	24.0	24.0	22.5	23.0
8	16.0	14.5	15.0	26.0	23.0	24.0	25.5	23.5	24.5	23.5	22.5	23.0
9	15.5	15.0	15.5	25.5	23.5	24.0	25.0	23.5	24.0	23.5	22.0	23.0
10	16.5	14.5	15.5	26.0	23.5	24.5	24.5	23.0	23.5	23.0	22.0	22.5
11	17.0	16.0	16.5	26.5	24.0	25.0	24.0	23.0	23.5	22.5	21.5	22.0
12	18.0	16.0	17.0	25.0	23.5	24.5	23.0	22.5	23.0	22.0	20.5	21.0
13	18.0	17.0	17.5	26.0	23.5	24.5	23.0	22.0	22.5	22.0	20.0	21.0
14	19.5	17.5	18.0	26.5	23.5	25.0	24.5	22.5	23.0	23.0	20.5	21.5
15	20.5	18.0	19.0	26.0	24.0	25.0	25.5	22.5	24.0	23.5	21.0	22.0
16	20.5	18.5	19.5	25.0	23.0	24.0	25.0	23.0	24.0	22.5	21.0	21.5
17	21.5	20.0	20.5	24.0	22.5	23.0	24.0	22.5	23.0	21.5	20.0	21.0
18	21.0	19.5	20.0	25.0	22.0	23.5	24.0	22.0	23.0	20.5	20.0	20.5
19	20.0	19.5	20.0	25.0	22.5	23.5	24.5	22.5	23.5	21.0	19.5	20.0
20	21.0	19.5	20.0	23.0	22.5	22.5	24.5	22.5	23.5	20.0	18.5	19.0
21	20.0	19.0	19.5	24.0	22.0	22.5	24.5	22.5	23.5	19.5	17.5	18.5
22	20.5	19.0	19.5	22.5	21.5	22.0	24.5	22.0	23.5	19.5	18.0	18.5
23	20.0	18.0	19.0	23.0	21.0	22.0	25.0	21.5	23.5	19.0	18.0	18.5
24	19.5	17.5	18.5	24.0	21.0	22.5	24.5	22.0	23.5	18.5	17.5	18.0
25	19.5	18.5	19.0	23.5	22.0	22.5	25.5	22.5	24.0	18.5	17.0	17.5
26	20.5	18.5	19.5	23.5	21.5	22.5	26.0	23.0	24.5	17.5	16.5	17.0
27	21.0	19.5	20.5	22.5	20.5	21.5	27.0	23.5	25.0	17.5	17.0	17.0
28	22.0	20.5	21.0	22.5	20.5	21.0	26.5	24.0	25.0	18.0	17.5	17.5
29	22.5	21.0	21.5	22.5	21.5	22.0	25.5	23.5	24.5	18.5	17.0	17.5
30	22.5	21.5	22.0	22.5	21.5	22.0	25.5	23.5	24.5	17.5	16.5	17.0
31	---	---	---	23.5	21.5	22.5	25.0	23.0	24.0	---	---	---
MONTH	22.5	13.0	17.5	26.5	20.5	23.0	27.0	21.5	24.0	24.5	16.5	20.5
PERIOD	27.0	7.0	18.5									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

[illegible]

01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

LOCATION.--Lat 44°13'42", long 69°46'42", Kennebec County, Hydrologic Unit 01030003, on left bank 300 ft upstream from Winter Street bridge in Gardiner, 0.4 mi upstream from mouth, and 0.8 mi downstream from Gardiner Water District dam.

DRAINAGE AREA.--217 mi².

PERIOD OF RECORD.--Discharge: June 1890 to September 1964, October 1976 to current year.
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.--No estimated daily discharges. Records good. 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, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,740 ft³/s, Apr. 15, gage height, 8.45 ft; minimum daily, 33 ft³/s, Sept 4, 5.

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

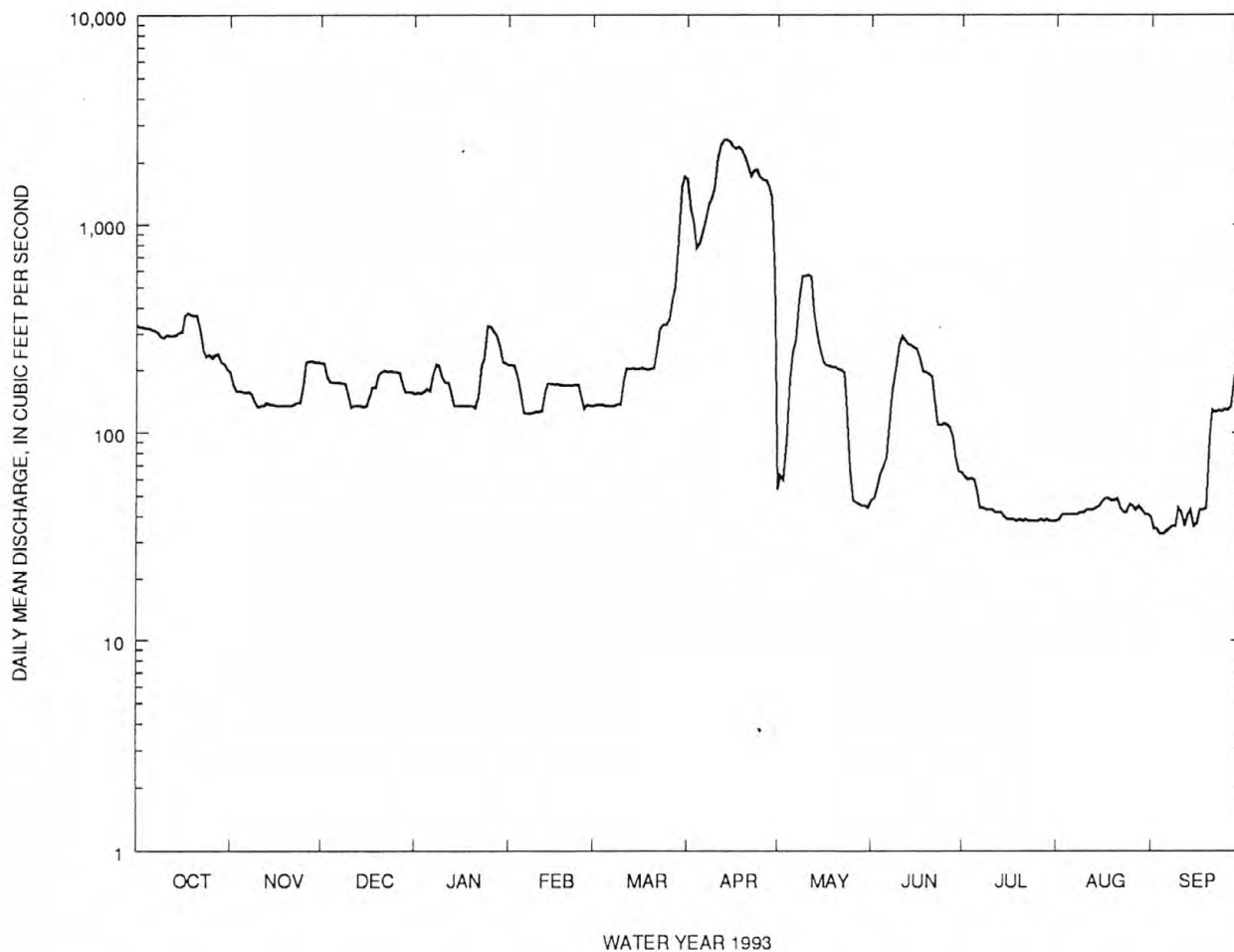
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	331	197	217	154	212	135	1660	54	48	65	38	40
2	323	170	215	156	212	136	1190	63	49	62	39	35
3	323	158	189	155	211	136	1050	60	56	60	41	35
4	320	159	176	158	187	136	778	90	64	61	41	33
5	318	157	175	162	156	135	816	180	69	60	41	33
6	314	156	174	159	125	135	937	243	77	54	41	34
7	310	157	174	193	124	135	1050	280	119	44	41	35
8	304	154	173	214	124	135	1250	437	162	44	41	36
9	289	141	172	211	125	137	1350	566	204	43	42	36
10	287	133	151	186	126	137	1520	568	266	43	42	44
11	295	134	133	174	126	181	2110	576	292	43	43	42
12	294	134	135	174	127	205	2430	563	281	42	43	36
13	293	139	134	157	158	204	2560	388	268	42	43	41
14	296	136	135	134	173	205	2560	303	264	42	44	43
15	303	136	133	134	173	204	2500	253	258	40	45	36
16	307	135	135	134	171	203	2370	221	252	39	47	37
17	366	135	149	135	172	206	2320	212	227	39	49	43
18	376	135	166	134	171	204	2380	211	198	39	49	43
19	371	135	165	134	170	202	2270	208	196	38	48	44
20	368	135	191	134	170	203	2100	208	192	39	48	94
21	367	135	197	132	169	206	1920	204	187	38	49	129
22	316	136	199	149	170	258	1720	200	145	39	44	126
23	251	139	197	212	171	317	1830	195	110	38	42	128
24	233	139	198	228	171	334	1850	127	109	38	42	127
25	238	170	197	328	146	332	1700	68	111	38	46	130
26	230	219	197	326	131	353	1650	48	110	38	45	129
27	237	221	194	311	136	428	1640	47	106	39	43	135
28	240	221	168	296	135	504	1550	46	95	38	45	187
29	219	219	157	263	---	840	1350	45	76	39	43	215
30	213	219	157	220	---	1510	576	45	66	38	41	215
31	201	---	157	217	---	1710	---	44	---	38	41	---
TOTAL	9133	4754	5310	5874	4442	10166	50987	6753	4657	1360	1347	2341
MEAN	295	158	171	189	159	328	1700	218	155	43.9	43.5	78.0
MAX	376	221	217	328	212	1710	2560	576	292	65	49	215
MIN	201	133	133	132	124	135	576	44	48	38	38	33

01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	236	249	301	270	285	539	916	450	304	192	190	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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1891 - 1993	
ANNUAL TOTAL	113045		107124			
ANNUAL MEAN	309		293		346	
HIGHEST ANNUAL MEAN					723	1984
LOWEST ANNUAL MEAN					172	1985
HIGHEST DAILY MEAN	2120	Mar 29	2560	Apr 13	4320	Mar 20 1936
LOWEST DAILY MEAN	24	May 30	33	Sep 4	.00	Oct 5 1890
ANNUAL SEVEN-DAY MINIMUM	24	May 30	34	Sep 2	.00	Jul 11 1892
INSTANTANEOUS PEAK FLOW			2740	Apr 15	5020	Mar 21 1936
INSTANTANEOUS PEAK STAGE			8.45	Apr 15		
10 PERCENT EXCEEDS	637		564		715	
50 PERCENT EXCEEDS	216		157		260	
90 PERCENT EXCEEDS	89		41		55	



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: Jan. 13-22, and Feb. 1 to Mar. 17. Records good except for periods of ice effect, Jan. 13-22, and Feb. 1 to Mar. 17, which are poor. Several observations of water temperature and specific conductance were made during the year.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges above 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)
Mar. 31	1900	265	4.74	Apr. 23	1400	256	4.69
Apr. 12	1200	*526	*5.91				

Minimum discharge, 1.8 ft³/s, Sept. 26, gage height, 2.84 ft.

**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	4.2	4.4	46	25	e23	e12	225	102	26	9.1	4.7	3.0
2	4.0	4.6	45	23	e22	e11	175	88	27	8.7	4.7	3.0
3	4.0	8.5	43	20	e21	e11	152	80	21	8.3	4.8	3.1
4	3.7	12	38	22	e20	e11	136	71	17	7.8	4.8	3.2
5	4.4	10	40	36	e19	e11	130	64	15	7.0	5.3	3.0
6	3.6	15	36	36	e18	e11	139	62	22	6.4	4.6	3.0
7	3.8	12	30	31	e17	e11	156	63	22	6.3	4.4	3.0
8	3.6	10	29	28	e16	e12	172	44	19	6.1	4.0	3.0
9	3.6	9.2	26	26	e15	e12	181	21	21	6.2	3.9	3.0
10	4.5	8.0	25	24	e14	e12	206	21	26	5.9	3.9	2.9
11	4.1	8.4	23	22	e14	e13	454	20	22	5.6	4.0	2.9
12	4.4	13	22	21	e13	e14	507	19	19	5.5	3.6	2.4
13	4.7	35	21	e20	e13	e15	436	20	17	5.5	3.7	2.4
14	4.1	28	23	e19	e12	e16	362	18	17	5.1	3.8	2.5
15	3.6	28	23	e18	e13	e18	294	18	16	5.2	3.7	2.5
16	4.0	23	19	e18	e13	e19	245	21	16	5.1	3.6	2.5
17	3.6	20	24	e17	e13	e20	239	17	14	5.0	3.7	2.4
18	3.4	20	35	e16	e14	25	232	15	13	4.8	4.6	2.3
19	3.4	19	29	e15	e14	23	195	19	12	4.7	4.0	2.3
20	3.3	18	33	e15	e14	22	161	16	12	4.9	3.8	2.4
21	4.7	17	32	e15	e13	21	142	16	11	4.8	4.6	2.3
22	4.6	20	28	e17	e13	21	148	14	15	5.0	4.0	2.3
23	4.1	32	26	32	e13	21	235	12	14	4.8	4.0	2.4
24	4.0	44	26	33	e13	21	214	11	11	4.7	3.9	2.3
25	8.5	40	24	57	e12	22	182	13	9.7	4.6	4.0	2.2
26	9.3	43	22	41	e12	26	174	15	9.4	4.5	3.6	2.3
27	7.0	54	20	32	e12	33	181	13	9.5	4.8	3.3	5.1
28	6.1	51	21	29	e12	45	156	11	9.0	5.0	3.1	6.5
29	5.7	47	21	28	---	63	135	10	9.6	5.0	2.9	2.8
30	5.3	44	26	26	---	177	114	8.9	9.4	5.1	2.9	2.7
31	5.4	---	25	24	---	230	---	9.6	---	4.8	2.9	---
TOTAL	142.7	698.1	881	786	418	979	6478	932.5	481.6	176.3	122.8	85.7
MEAN	4.60	23.3	28.4	25.4	14.9	31.6	216	30.1	16.1	5.69	3.96	2.86
MAX	9.3	54	46	57	23	230	507	102	27	9.1	5.3	6.5
MIN	3.3	4.4	19	15	12	11	114	8.9	9.0	4.5	2.9	2.2
CFSM	.19	.98	1.20	1.07	.63	1.33	9.11	1.27	.68	.24	.17	.12
IN.	.22	1.10	1.38	1.23	.66	1.54	10.17	1.46	.76	.28	.19	.13

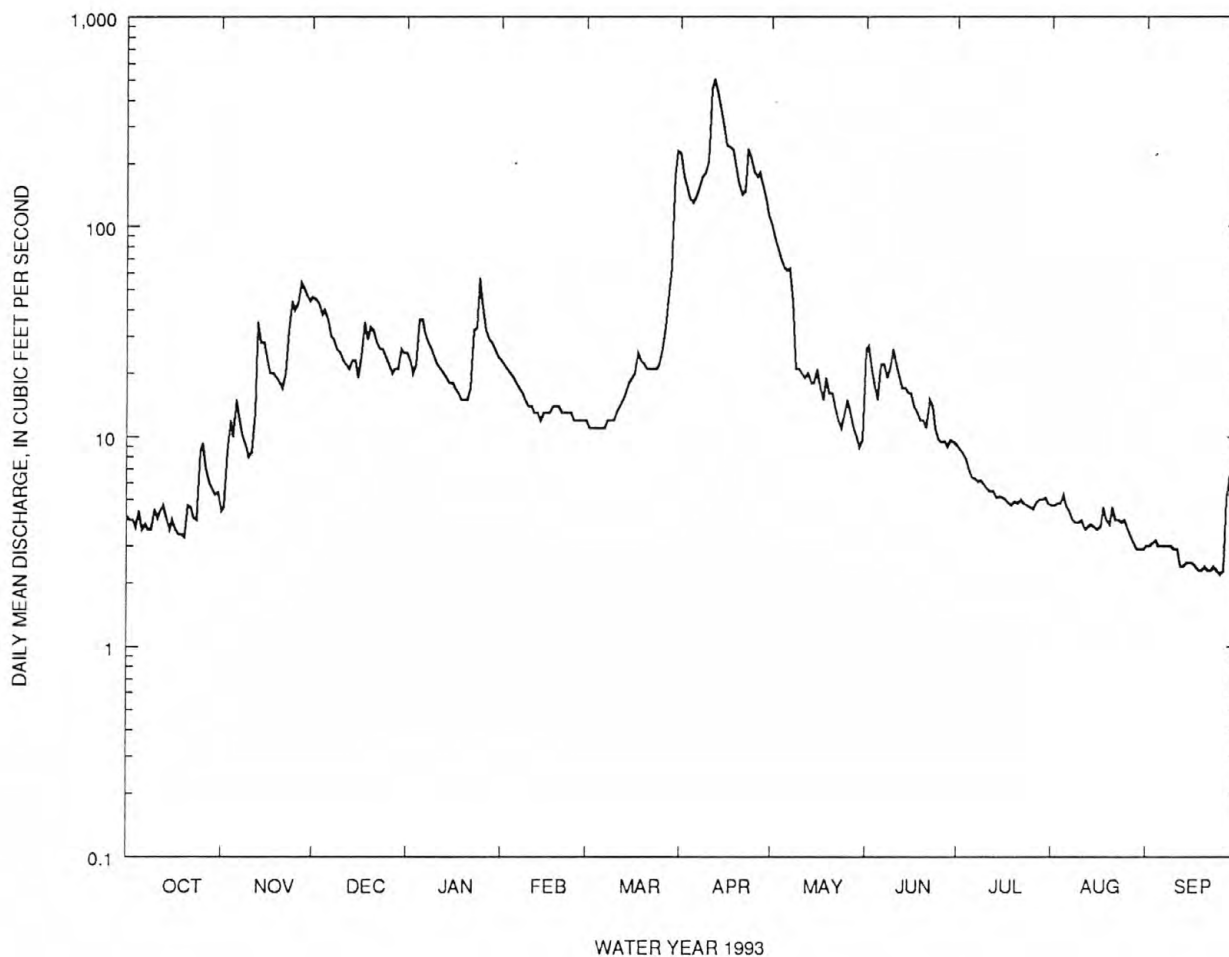
e Estimated

01049550 TOGUS STREAM AT TOGUS, MAINE--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	17.2	47.2	55.4	35.9	35.4	77.5	122	50.9	31.7	8.89	8.70	7.34
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1982 - 1993	
ANNUAL TOTAL	12486.7		12181.7			
ANNUAL MEAN	34.1		33.4		41.5	
HIGHEST ANNUAL MEAN					68.4	
LOWEST ANNUAL MEAN					19.7	
HIGHEST DAILY MEAN	421	Mar 12	507	Apr 12	940	Apr 1 1987
LOWEST DAILY MEAN	3.3	Oct 20	2.2	Sep 25	.85	Sep 30 1984
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 14	2.3	Sep 19	.92	Sep 25 1984
INSTANTANEOUS PEAK FLOW			526	Apr 12	1010	Apr 1 1987
INSTANTANEOUS PEAK STAGE			5.91	Apr 12	7.50	Apr 1 1987
INSTANTANEOUS LOW FLOW			1.8	Sep 26	.79	Sep 30 1984
ANNUAL RUNOFF (CFSM)	1.44		1.41		1.75	
ANNUAL RUNOFF (INCHES)	19.60		19.12		23.78	
10 PERCENT EXCEEDS	77		67		99	
50 PERCENT EXCEEDS	22		14		22	
90 PERCENT EXCEEDS	5.0		3.5		3.9	



KENNEBEC RIVER BASIN

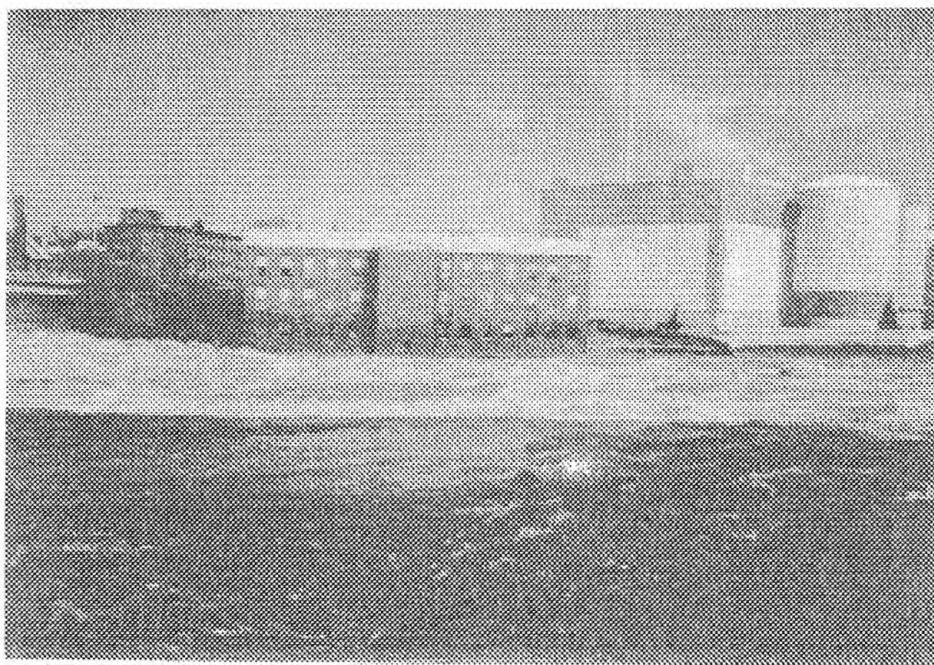
Reservoirs in Kennebec River Basin

- 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.
- 01040000 FIRST ROACH POND on Roach River, at Kokadjo, Maine, used for power, has usable capacity of 938,000,000 ft³ between gage heights 1.0 ft and 8.0 ft. Records furnished by Kennebec Water Power Co.
- 01040500 MOOSEHEAD LAKE on Kennebec River (see p. 96).
- 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.
- 01042000 MOXIE POND on Moxie Stream, 4.8 mi east of The Forks, Maine, used for power, has usable capacity of 640,000,000 ft³ between gage heights 6.0 ft and 14.0 ft. Records furnished by Kennebec Water 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 POND 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 1992 TO SEPTEMBER 1993

Date	Brassua Lake	First Roach Pond	Indian Pond	Moxie Pond	Flagstaff Lake	Wyman Pond
SEPT. 30, 1992.....	7,270	517	693	595	7,652	2,852
OCT. 31.....	6,585	52	772	613	7,268	2,866
NOV. 30.....	7,939	0	810	417	8,938	2,926
DEC. 31.....	7,366	0	568	0	7,652	2,884
JAN. 31, 1993.....	5,398	0	690	0	4,362	2,667
FEB. 28.....	2,671	0	687	0	2,038	2,731
MAR. 31.....	1,379	0	631	0	1,065	2,891
APR. 30.....	8,780	870	828	577	10,873	2,853
MAY 31.....	8,472	815	848	577	11,376	2,766
JUNE 30.....	8,947	938	695	595	10,933	2,888
JULY 31.....	8,037	760	730	514	9,965	2,828
AUG. 31.....	7,570	597	754	469	7,773	2,835
SEPT. 30.....	6,760	316	810	487	6,951	2,888

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



Kennebec River at Madison,
April 1987

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: Dec. 5 to Mar. 31. Records good except for period of ice effect, Dec. 5 to Mar. 31, which is fair. 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, 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 18	0045	*4,900	*8.35			No other peak greater than base discharge.	

Minimum discharge, 32 ft³/s, Aug. 31, gage height, 1.29 ft.

**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	76	166	343	e102	e71	e61	1000	948	386	112	271	255
2	73	138	305	e79	e69	e62	590	859	758	97	169	175
3	71	230	278	e69	e68	e62	438	685	444	88	125	90
4	68	439	247	e62	e66	e58	350	593	322	91	124	293
5	64	732	e164	e150	e64	e62	309	529	264	83	216	178
6	62	495	e110	e248	e63	e63	341	584	301	72	152	108
7	59	339	e91	e159	e62	e59	433	565	335	65	100	164
8	57	245	e85	e123	e61	e57	579	430	267	62	80	144
9	55	210	e78	e103	e60	e55	732	348	219	67	69	96
10	241	168	e73	e90	e59	e53	1040	303	378	57	60	373
11	289	215	e69	e84	e58	e50	2320	286	342	54	59	564
12	192	313	e66	e78	e57	e48	3120	275	296	46	59	343
13	177	1060	e63	e73	e57	e50	2400	819	228	48	51	203
14	153	850	e60	e69	e56	e48	1550	586	185	43	48	145
15	126	452	e59	e66	e56	e48	1180	381	155	39	49	115
16	111	324	e57	e64	e56	e49	1320	333	177	42	49	172
17	165	260	e80	e63	e55	e49	3440	284	161	64	43	140
18	176	245	e200	e62	e55	e54	3910	261	133	56	61	127
19	136	181	e127	e61	e55	e57	1660	231	228	44	106	126
20	133	156	e104	e60	e55	e59	1920	220	248	38	61	103
21	123	200	e88	e60	e55	e59	2050	217	203	45	66	87
22	123	280	e87	e60	e55	e54	2790	216	735	43	59	78
23	117	795	e75	e60	e55	e53	2390	221	1030	56	45	84
24	136	1180	e67	e60	e55	e52	1750	201	474	93	40	180
25	540	602	e64	e80	e55	e53	1460	588	288	70	132	131
26	393	485	e60	e149	e56	e60	2670	415	216	60	109	121
27	266	1070	e58	e110	e58	e86	1990	295	196	57	64	204
28	210	774	e56	e90	e60	e197	1080	524	199	272	49	490
29	190	516	e55	e82	---	e446	1020	389	153	265	43	346
30	216	403	e80	e78	---	e885	1020	372	128	381	38	254
31	194	---	e200	e74	---	e1220	---	291	---	592	34	---
TOTAL	4992	13523	3549	2768	1652	4269	46852	13249	9449	3202	2631	5889
MEAN	161	451	114	89.3	59.0	138	1562	427	315	103	84.9	196
MAX	540	1180	343	248	71	1220	3910	948	1030	592	271	564
MIN	55	138	55	60	55	48	309	201	128	38	34	78
CFSM	1.06	2.97	.75	.59	.39	.91	10.3	2.81	2.07	.68	.56	1.29
IN.	1.22	3.31	.87	.68	.40	1.04	11.47	3.24	2.31	.78	.64	1.44

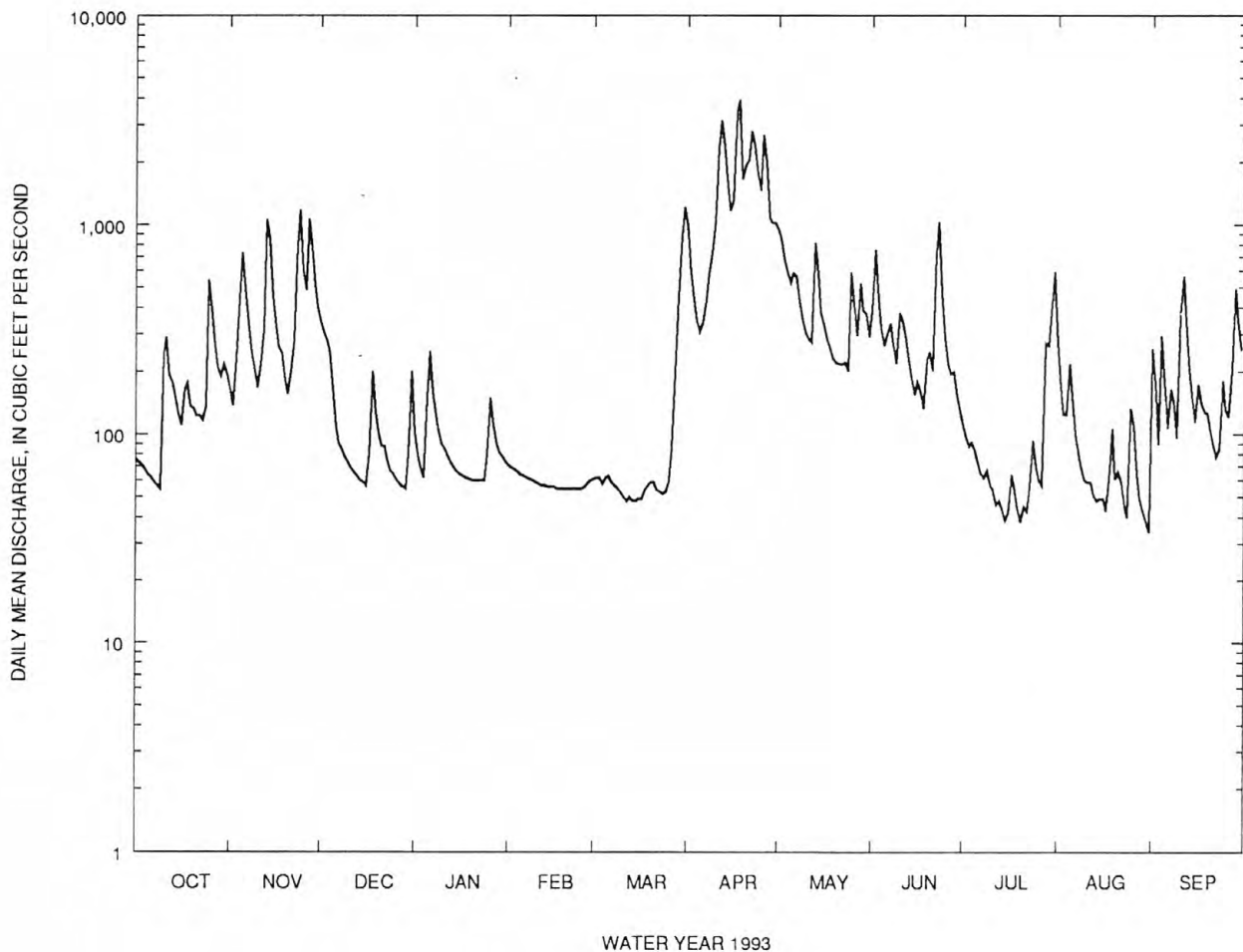
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01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	269	336	227	159	146	277	1068	939	311	157	141	153
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1941 - 1993	
ANNUAL TOTAL	112409		112025			
ANNUAL MEAN	307		307		349	
HIGHEST ANNUAL MEAN					500	1974
LOWEST ANNUAL MEAN					225	1965
HIGHEST DAILY MEAN	4600	Apr 23	3910	Apr 18	7380	Jun 16 1943
LOWEST DAILY MEAN	33	Aug 27	34	Aug 31	6.8	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	41	Jul 25	47	Jul 14	9.0	Sep 11 1952
INSTANTANEOUS PEAK FLOW			4900	Apr 18	8630	Jun 16 1943
INSTANTANEOUS PEAK STAGE			8.35	Apr 18	12.23	Feb 21 1981
INSTANTANEOUS LOW FLOW			32	Aug 31	6.8	Aug 27 1949
ANNUAL RUNOFF (CFSM)	2.02		2.02		2.30	
ANNUAL RUNOFF (INCHES)	27.51		27.42		31.21	
10 PERCENT EXCEEDS	728		733		844	
50 PERCENT EXCEEDS	136		127		157	
90 PERCENT EXCEEDS	58		55		50	



ANDROSCOGGIN RIVER BASIN

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." 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 excellent. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, May 22, 1969, gage height 9.40 ft; minimum daily, 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, 6,650 ft³/s, Apr. 18, gage-height, 5.67 ft; minimum daily, 1,120 ft³/s, May 5, 7, 9.

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

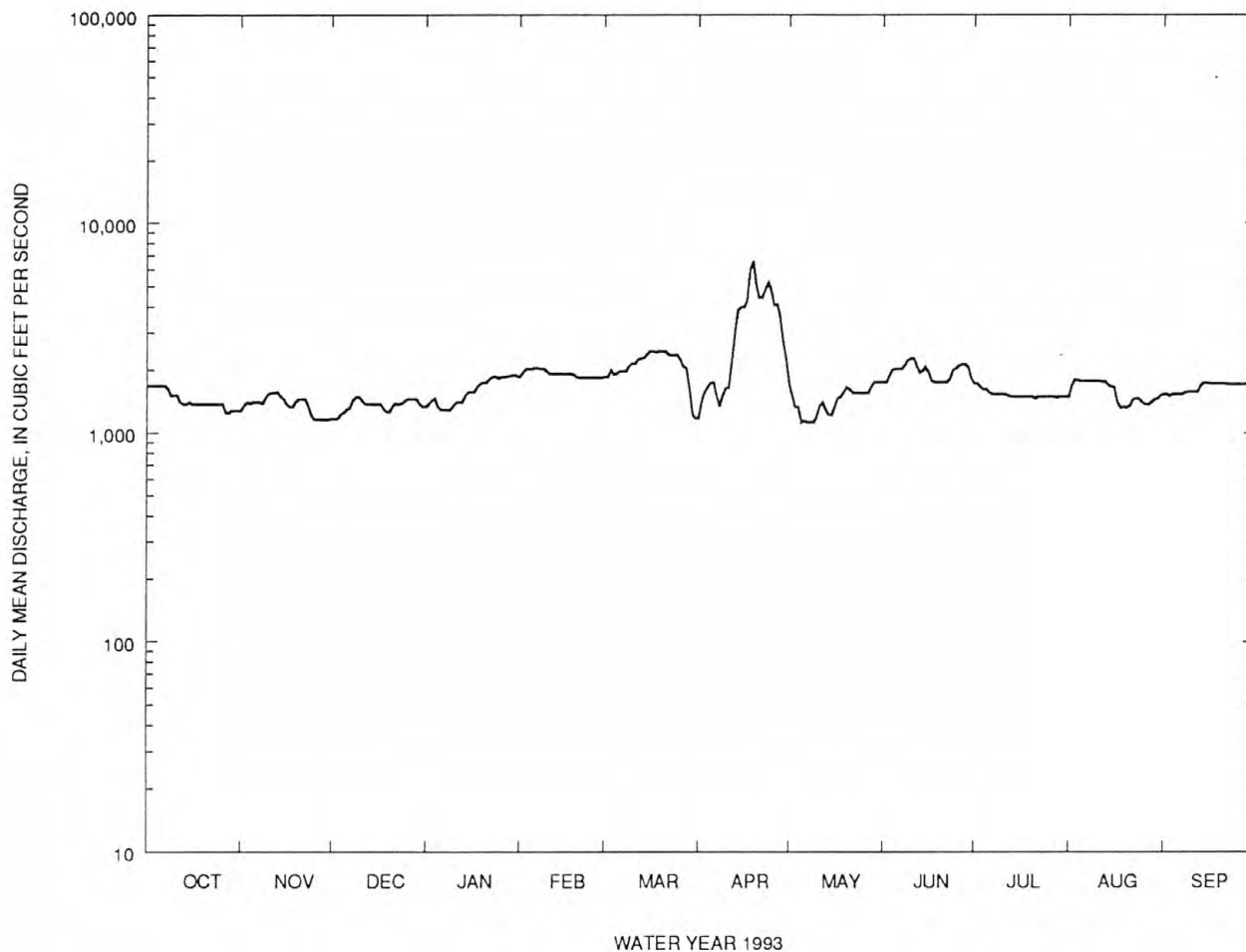
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	1270	1160	1330	1850	1850	1170	1710	1750	1720	1480	1530
2	1670	1350	1160	1370	1940	1850	1410	1530	1750	1720	1670	1530
3	1670	1390	1160	1430	2020	1990	1550	1330	1890	1660	1790	1500
4	1670	1380	1220	1460	2020	1900	1650	1330	1990	1620	1780	1530
5	1670	1390	1250	1340	2020	1920	1730	1120	2020	1620	1770	1530
6	1670	1390	1290	1280	2030	1970	1730	1140	2020	1560	1770	1530
7	1670	1390	1310	1280	2030	1970	1510	1120	2020	1530	1770	1530
8	1610	1380	1420	1280	2020	1970	1340	1120	2090	1530	1770	1560
9	1500	1450	1470	1280	2020	2080	1520	1120	2220	1530	1770	1570
10	1510	1530	1470	1340	1970	2140	1640	1180	2270	1530	1770	1570
11	1510	1550	1430	1390	1920	2140	1640	1340	2270	1530	1770	1570
12	1400	1550	1370	1400	1920	2230	2220	1400	2130	1510	1760	1570
13	1370	1560	1370	1400	1910	2270	3070	1290	1940	1480	1760	1680
14	1370	1480	1370	1500	1920	2280	3830	1220	1980	1480	1680	1730
15	1390	1440	1370	1560	1920	2370	4000	1210	2060	1480	1660	1730
16	1370	1370	1370	1560	1920	2450	3990	1340	1960	1480	1650	1720
17	1370	1330	1370	1560	1920	2440	4250	1460	1770	1480	1400	1720
18	1370	1330	1300	1650	1920	2430	6010	1490	1740	1480	1320	1720
19	1370	1400	1260	1720	1890	2440	6560	1570	1740	1480	1330	1720
20	1360	1440	1260	1730	1840	2440	5010	1650	1740	1480	1320	1720
21	1370	1440	1340	1730	1840	2440	4430	1610	1740	1450	1350	1720
22	1370	1440	1380	1810	1840	2370	4440	1550	1740	1480	1440	1710
23	1370	1370	1370	1850	1840	2340	4870	1550	1810	1480	1450	1710
24	1370	1230	1380	1860	1840	2340	5210	1550	2000	1480	1450	1710
25	1370	1150	1410	1820	1840	2340	4880	1550	2040	1480	1400	1710
26	1370	1150	1440	1850	1840	2220	4080	1550	2100	1480	1360	1710
27	1250	1150	1440	1850	1840	2080	4100	1550	2120	1480	1360	1710
28	1240	1150	1440	1860	1840	2040	3640	1650	2130	1470	1400	1710
29	1270	1150	1440	1870	---	1610	2780	1750	2050	1480	1440	1780
30	1270	1150	1370	1890	---	1220	2230	1750	1840	1480	1460	1810
31	1270	---	1330	1880	---	1170	---	1750	---	1480	1510	---
TOTAL	44710	40750	41720	49130	53720	65300	96490	44480	58920	47140	48610	49540
MEAN	1442	1358	1346	1585	1919	2106	3216	1435	1964	1521	1568	1651
MAX	1670	1560	1470	1890	2030	2450	6560	1750	2270	1720	1790	1810
MIN	1240	1150	1160	1280	1840	1170	1170	1120	1740	1450	1320	1500

01053500 ANDROSCOGGIN RIVER AT ERROL, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1591	1534	1706	1784	1820	1818	2092	3087	2268	1743	1682	1699
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1906 - 1993	
ANNUAL TOTAL	632160		640510			
ANNUAL MEAN	1727		1755		1903	
HIGHEST ANNUAL MEAN					2923	
LOWEST ANNUAL MEAN					1046	
HIGHEST DAILY MEAN	5050		Apr 25	6560	Apr 19	16100
LOWEST DAILY MEAN	1020		Apr 21	1120	May 5	.00
ANNUAL SEVEN-DAY MINIMUM	1150		Nov 25	1150	Nov 25	152
INSTANTANEOUS PEAK FLOW				6650	Apr 18	16500
INSTANTANEOUS PEAK STAGE				5.67	Apr 18	9.40
10 PERCENT EXCEEDS	2260			2220		2600
50 PERCENT EXCEEDS	1540			1570		1690
90 PERCENT EXCEEDS	1260			1290		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. 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, 795 ft³/s, Mar.15,1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,900 ft³/s, Apr. 18, gage height, 8.04 ft; minimum daily, 1,550 ft³/s, Aug. 22.

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	1950	1670	1870	1790	2120	2100	3020	3330	2240	1980	2440	1910
2	1930	1640	1790	1700	2100	2090	2460	2650	2760	1940	2090	1850
3	1950	1950	1730	1700	2280	2080	2600	2750	2580	1920	2200	1780
4	1930	2320	1700	1850	2280	2250	2460	2140	2380	1850	2050	1810
5	1930	2370	1720	2220	2270	2090	2550	2050	2250	1840	2100	1810
6	1910	2320	1650	2740	2260	2200	2610	1990	2540	1820	2030	1980
7	1930	2190	1760	2300	2220	2200	2730	1970	2720	1790	2070	1970
8	1920	1960	1660	2000	2250	2200	2610	1880	2510	1750	2000	1930
9	1800	1860	1830	1800	2250	2240	2990	1830	2500	1740	2030	2000
10	1830	1790	1770	1730	2310	2360	4100	1800	3420	1730	2050	1960
11	1890	1880	1860	1770	2170	2380	5930	1740	3320	1750	2120	2090
12	1850	1880	1770	1760	2150	2380	7050	1910	2910	1740	2010	2130
13	1810	2490	1770	1750	2190	2500	7340	2430	2760	1720	1930	2000
14	1760	3030	1730	1770	2150	2500	6800	2460	2390	1630	1920	2000
15	1700	2420	1730	1900	2150	2370	6520	2220	2350	1620	1970	2020
16	1710	2000	1740	1900	2180	2660	6480	2110	2420	1680	1920	2020
17	1720	1820	1810	1910	2180	2810	9950	1920	2290	1670	1950	2000
18	1700	1780	1870	1880	2170	2670	10900	1890	2040	1680	1670	2020
19	1700	1720	1760	1970	2170	2720	9510	1880	2130	1660	1560	1980
20	1690	1780	1750	2040	2090	2650	8370	2060	2260	1690	1560	2030
21	1670	1760	1680	2080	2070	2670	6900	2150	2190	1730	1590	2060
22	1700	1780	1770	2080	2130	2640	7870	2080	2250	1850	1550	1960
23	1710	2200	1750	2170	2110	2570	7920	2090	2470	1690	1770	1950
24	1740	2890	1710	2180	2100	2580	8480	1950	2500	1680	1720	2000
25	2210	2440	1610	2220	2080	2620	7470	2030	2430	1660	1770	2140
26	2230	2010	1730	2170	2050	2680	6810	2140	2360	1680	1740	2150
27	1940	2280	1670	2210	2100	2640	6510	1990	2400	1670	1760	2170
28	1660	2570	1700	2170	2070	2640	5500	2020	2410	1830	1660	2410
29	1660	2240	1860	2170	---	2610	4490	2140	2480	1900	1630	2570
30	1700	2050	1930	2090	---	2810	3860	2120	2390	1960	1660	2330
31	1690	---	1830	2120	---	3260	---	2160	---	2600	1720	---
TOTAL	56520	63090	54510	62140	60650	77170	172790	65880	74650	55450	58240	61030
MEAN	1823	2103	1758	2005	2166	2489	5760	2125	2488	1789	1879	2034
MAX	2230	3030	1930	2740	2310	3260	10900	3330	3420	2600	2440	2570
MIN	1660	1640	1610	1700	2050	2080	2460	1740	2040	1620	1550	1780

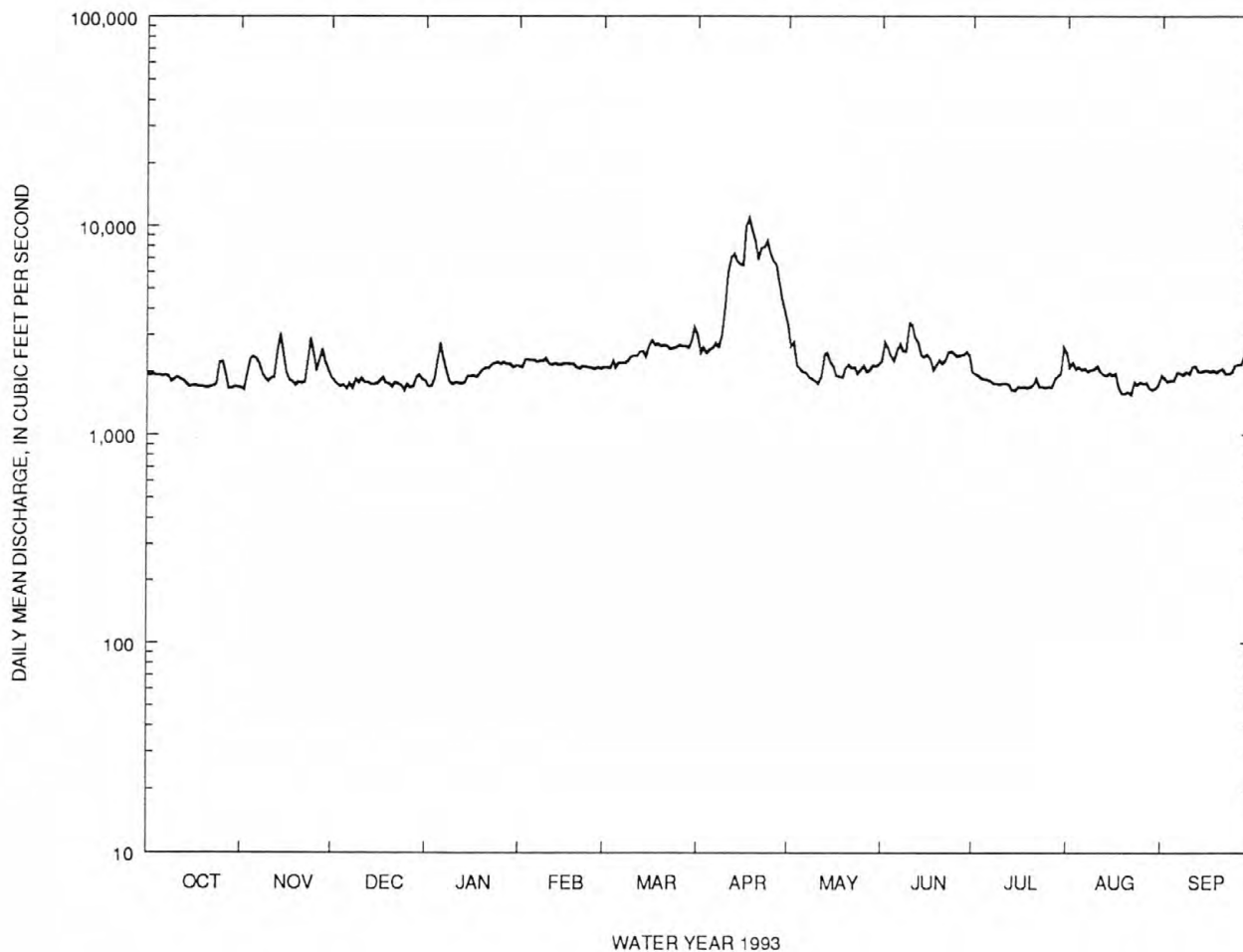
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01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2047	2076	2141	2125	2114	2440	3881	4277	2797	2027	1932	1985
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1914 - 1993	
ANNUAL TOTAL	820760		862120			
ANNUAL MEAN	2243		2362		2492	
HIGHEST ANNUAL MEAN					3675	
LOWEST ANNUAL MEAN					1689	
HIGHEST DAILY MEAN	9810		10900		20000	
LOWEST DAILY MEAN	1440		1550		795	
ANNUAL SEVEN-DAY MINIMUM	1500		1630		866	
INSTANTANEOUS PEAK FLOW			11900		Apr 18	
INSTANTANEOUS PEAK STAGE			8.04		Apr 18	
10 PERCENT EXCEEDS	2700		2730		3640	
50 PERCENT EXCEEDS	1970		2050		2000	
90 PERCENT EXCEEDS	1630		1700		1600	



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. 4 to Mar. 30. Records good except for period of ice effect, Dec. 4 to Mar. 30, which is fair. Satellite gage-height telemeter at station. Gage is operated in conjunction with precipitation gage 441852071033101, Wild River Precipitation at Beans Purchase, NH.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s, Mar. 31, 1987, gage height, 13.03 ft; minimum, 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. 13	0800	2,540	6.63	Apr. 17	1145	*9,040	*10.67
Apr. 11	0515	3,750	7.56				

Minimum discharge, 12 ft³/s, Sept. 17, gage height, 2.86 ft.

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

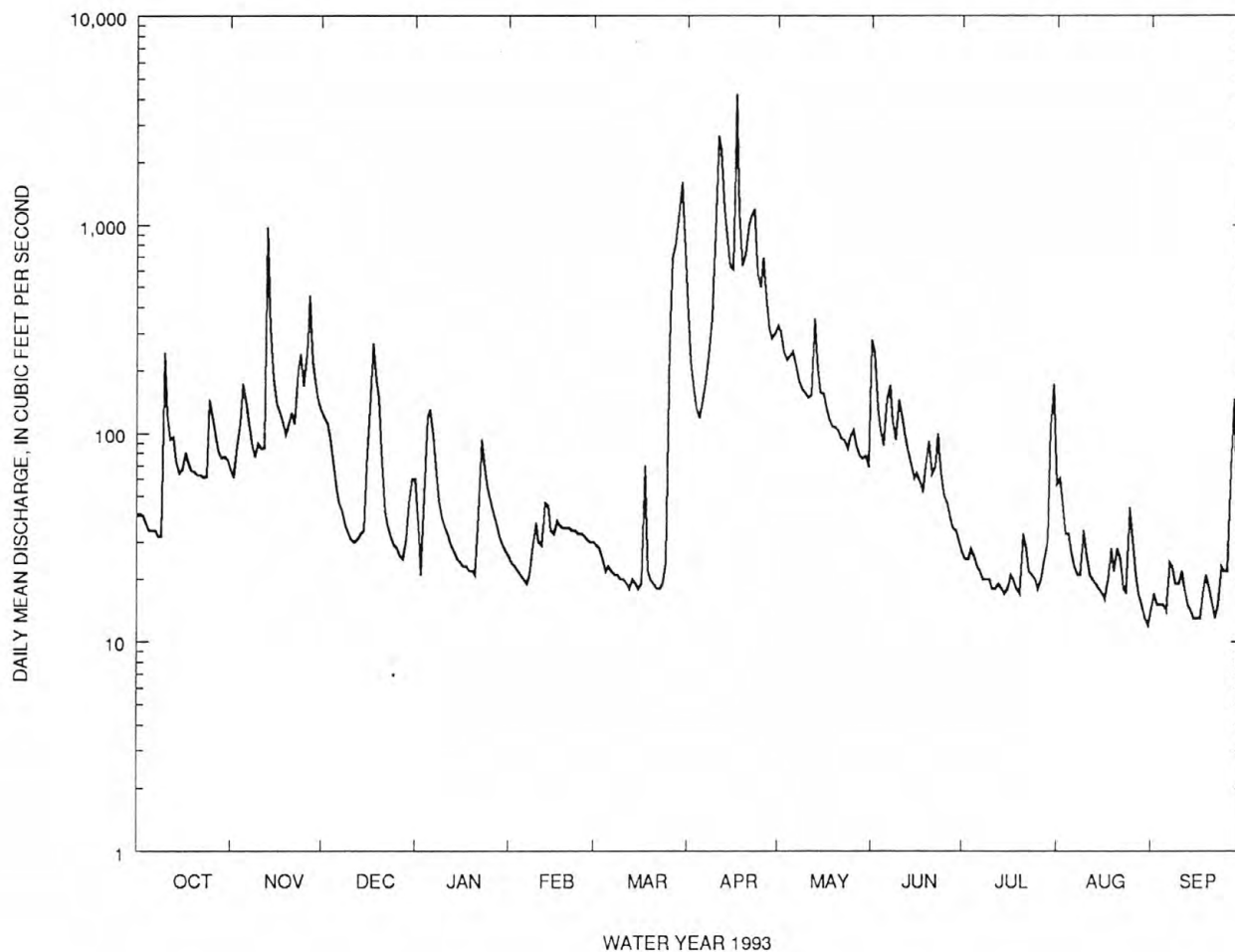
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	67	129	e60	e26	e30	420	326	279	27	57	14
2	41	61	119	e36	e24	e29	220	307	244	25	60	17
3	40	87	111	e21	e23	e28	162	245	133	25	46	15
4	37	112	e95	e50	e22	e25	132	225	105	28	33	15
5	34	172	e72.	e121	e21	e22	119	236	88	26	33	15
6	34	143	e54	e130	e20	e23	145	247	147	23	27	14
7	34	111	e46	e98	e19	e22	184	211	170	22	23	24
8	32	87	e42	e64	e21	e21	238	178	115	20	21	23
9	32	77	e36	e47	e29	e21	353	163	94	20	21	19
10	243	89	e33	e39	e37	e20	919	155	145	20	34	19
11	125	84	e31	e35	e30	e20	2670	149	121	18	26	22
12	94	85	e30	e32	e29	e19	2270	152	100	18	21	18
13	96	966	e31	e29	e46	e18	1190	352	83	19	20	15
14	74	320	e33	e27	e45	e20	832	204	71	18	19	14
15	64	184	e34	e25	e34	e19	629	157	61	17	18	13
16	67	139	e70	e24	e33	e18	609	155	64	18	17	13
17	81	128	e131	e23	e38	e19	4200	132	59	21	16	13
18	73	115	e268	e23	e36	e70	1150	117	52	20	20	18
19	66	99	e180	e22	e35	e22	635	109	75	18	28	21
20	65	109	e148	e22	e35	e20	722	107	92	17	22	18
21	63	126	e72	e21	e35	e19	992	103	64	33	28	15
22	63	112	e42	e41	e34	e18	1110	95	69	28	25	13
23	61	199	e36	e93	e34	e18	1190	93	100	22	18	15
24	62	240	e32	e68	e33	e19	578	85	64	21	17	23
25	145	169	e29	e55	e33	e24	502	97	50	20	44	22
26	121	238	e28	e47	e32	e271	691	104	46	18	31	22
27	97	453	e26	e41	e31	e690	447	86	40	20	21	67
28	82	223	e25	e36	e30	e818	315	78	35	25	17	146
29	76	168	e31	e32	---	e1140	285	76	34	30	15	57
30	77	144	e46	e29	---	e1590	301	78	30	108	13	35
31	74	---	e60	e27	---	887	---	69	---	171	12	---
TOTAL	2294	5307	2120	1418	865	5980	24210	4891	2830	916	803	755
MEAN	74.0	177	68.4	45.7	30.9	193	807	158	94.3	29.5	25.9	25.2
MAX	243	966	268	130	46	1590	4200	352	279	171	60	146
MIN	32	61	25	21	19	18	119	69	30	17	12	13
CFSM	1.06	2.54	.98	.66	.44	2.77	11.6	2.27	1.36	.42	.37	.36
IN.	1.23	2.84	1.13	.76	.46	3.20	12.94	2.61	1.51	.49	.43	.40

01054200 WILD RIVER AT GILEAD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	137	201	143	103	103	228	519	416	144	67.7	68.9	53.9
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1964 - 1993	
ANNUAL TOTAL	59265		52389			
ANNUAL MEAN	162		144		182	
HIGHEST ANNUAL MEAN					261	
LOWEST ANNUAL MEAN					72.9	
HIGHEST DAILY MEAN	2900		4200		7240	
LOWEST DAILY MEAN	23		12		7.1	
ANNUAL SEVEN-DAY MINIMUM	30		14		8.5	
INSTANTANEOUS PEAK FLOW			9040		13600	
INSTANTANEOUS PEAK STAGE			10.67		13.03	
INSTANTANEOUS LOW FLOW			12		6.8	
ANNUAL RUNOFF (CFMS)	2.33		2.06		2.62	
ANNUAL RUNOFF (INCHES)	31.68		28.00		35.58	
10 PERCENT EXCEEDS	305		269		405	
50 PERCENT EXCEEDS	90		44		75	
90 PERCENT EXCEEDS	37		18		21	



**01054200 WILD RIVER AT GILEAD, ME--Continued
WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1964 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1964 to Sept. 1983, Nov. 1991 to Sept. 1993 (discontinued).

INSTRUMENTATION.--Temperature monitor since Nov. 1991, probe located 20 ft streamward from right bank.

July 1964 to Sept. 1977, recorder and probe located on upstream side of first bridge pier from left bank at site 180 feet downstream, and Oct. 1977 to Sept. 1983, monitor and probe at present location.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum 30.5°C July 7, 1993; minimum, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	STREAM FLOW, INSTAN- TANEOUS (CFS) (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 OF (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
22...	0830	63	21	6.4	5.5	5.0	0.30	755	12.6	100	K 2	K 4
FEB												
09...	1115	E 29	23	6.4	-12.5	0.0	0.40	752	14.3	99	K 1	<1
MAY												
05...	1315	226	16	6.3	18.5	12.0	1.0	770	11.0	101	<1	<1
AUG												
25...	1045	41	22	7.0	24.5	21.0	0.60	743	9.2	106	26	58

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											
22...	5	1.3	0.47	1.1	<0.10	3.5	0.0	2.9	3.9	0.70	<0.10
FEB											
09...	6	1.4	0.53	1.4	0.30	4.5	0.0	3.7	4.1	0.60	<0.10
MAY											
05...	4	0.98	0.34	0.80	0.40	1.2	0.0	1.0	3.2	0.50	<0.10
AUG											
25...	6	1.5	0.54	1.5	0.50	5.0	0.0	4.1	3.7	0.50	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.

01054200 WILD RIVER AT GILEAD, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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 TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
OCT 22...	6.8	32	16	<0.01	<0.01	<0.05	<0.05	0.03	0.02	0.03
FEB 09...	7.8	20	19	--	0.04	--	0.09	--	<0.01	--
MAY 05...	4.1	22	11	--	<0.01	--	<0.05	--	0.01	0.01
AUG 25...	7.7	37	19	--	<0.01	--	<0.05	--	0.02	0.03
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
OCT 22...	<0.20	<0.01	0.03	0.02	<0.01	100	4	<3	43	<4
FEB 09...	<0.20	<0.01	<0.01	--	<0.01	50	4	<3	23	<4
MAY 05...	<0.20	<0.01	<0.01	--	<0.01	130	4	<3	32	<4
AUG 25...	<0.20	<0.01	<0.01	--	0.01	40	3	<3	54	7
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 22...	3	<10	<1	<1	<1	14	<6	2	0.34	57
FEB 09...	1	<10	<1	<1	<1	15	<6	2	0.16	71
MAY 05...	5	<10	<1	<1	<1	10	<6	3	1.8	94
AUG 25...	3	<10	<1	<1	<1	15	<6	--	--	--
DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	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/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-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 22...	--	--	--	--	--	--	--	--	--	--
FEB 09...	--	--	--	--	--	--	--	--	--	--
MAY 05...	<0.6	<0.6	0.7	<0.6	0.7	<0.6	0.03	0.04	<0.6	<0.6
AUG 25...	<0.6	<0.6	0.7	<0.6	0.7	<0.6	0.03	0.03	<0.6	<0.6

01054200 WILD RIVER AT GILEAD, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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

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

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

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

DRAINAGE AREA.--2,068 mi².

PERIOD OF RECORD.--Discharge: May 1892 to current year. Monthly discharge only October 1903 to September 1904, published in WSP 1301.
Chemical analyses: Water year 1953.

REVISED RECORDS.--WDR ME-86-1: Drainage area.

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

REMARKS.--No estimated daily discharges. Records good. Prior to Nov. 19, 1979, discharge computed from flow over dams and through wheels. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, (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, 625 ft³/s, Mar. 27, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39,800 ft³/s, Apr. 18, gage height 15.55 ft; minimum daily, 1,510 ft³/s, Aug. 22.

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

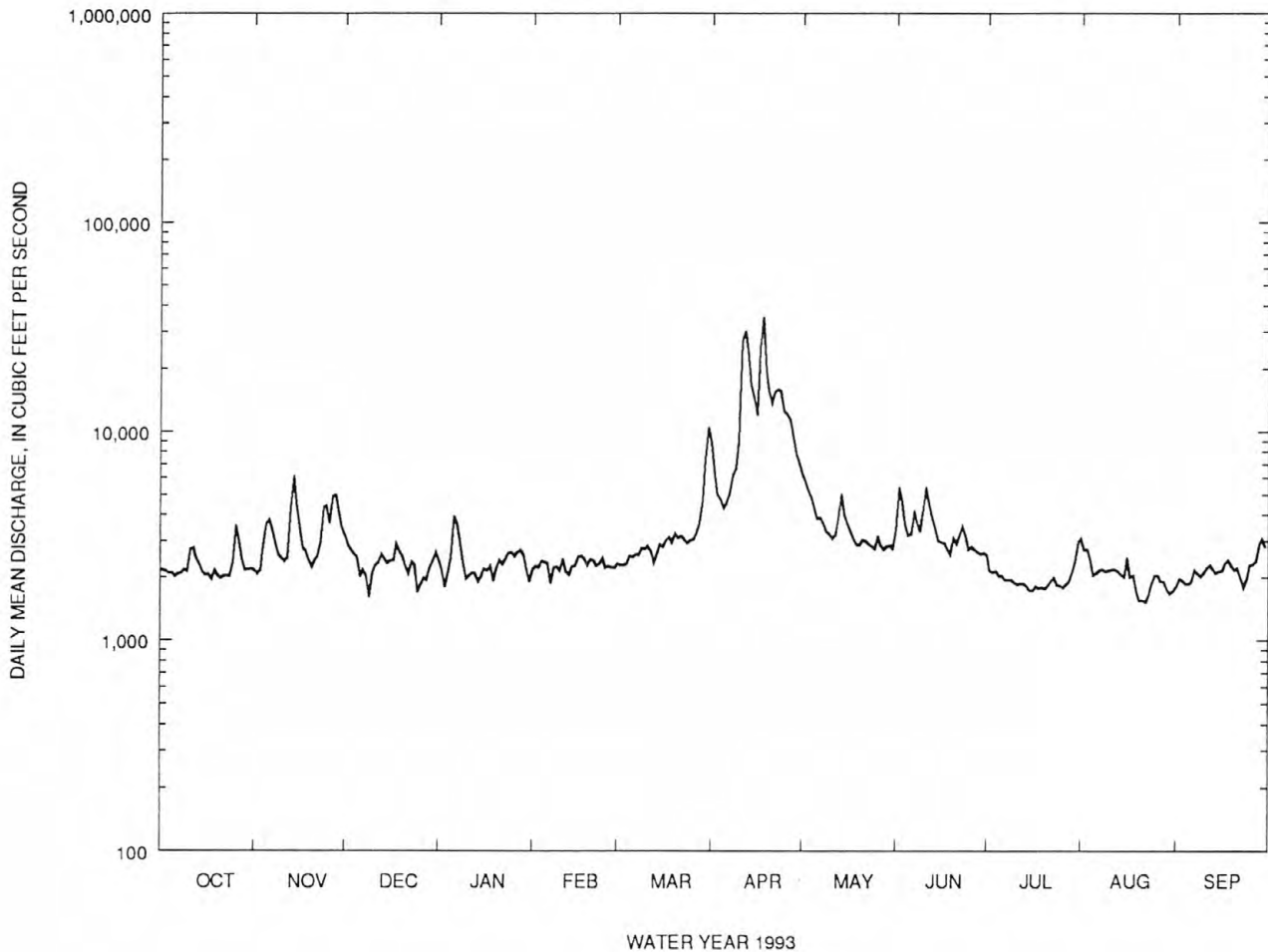
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	2170	3200	2460	2190	2340	8880	6290	3380	2580	3100	1820
2	2180	2090	2890	2180	2270	2310	6170	5850	5420	2160	2730	1970
3	2140	2170	2740	1790	2240	2300	4980	5230	4580	2120	2740	1940
4	2110	2860	2610	2130	2420	2330	4720	4830	3640	2140	2470	1870
5	2100	3640	2500	2510	2370	2530	4340	4260	3210	2030	2060	1870
6	2030	3780	2010	3940	2350	2520	4550	3840	3240	2040	2100	1900
7	2080	3360	2170	3620	1870	2600	5050	3860	4200	1950	2170	2170
8	2100	2960	2040	2900	2230	2570	6190	3630	3700	1950	2200	2080
9	2190	2570	1600	2370	2250	2780	6670	3360	3330	1940	2140	2030
10	2150	2480	2120	1970	2160	2760	8910	3240	4310	1890	2160	2110
11	2740	2400	2290	2040	2470	2840	27200	3100	5410	1850	2200	2230
12	2780	2500	2360	2100	2130	2710	30300	3230	4530	1860	2190	2310
13	2480	4340	2590	2100	2050	2360	24700	3870	3860	1860	2140	2210
14	2320	6160	2480	1910	2250	2610	16600	5010	3400	1830	2050	2100
15	2130	4520	2350	2030	2290	2900	14400	3970	3030	1730	2010	2140
16	2060	3520	2420	2210	2520	2820	12000	3650	2970	1730	2500	2160
17	2070	2780	2430	2160	2530	3050	25100	3360	2940	1810	2020	2330
18	1960	2710	2920	2280	2490	3140	35400	3060	2770	1770	2040	2440
19	2180	2430	2680	1920	2300	2970	19600	2880	2600	1790	1690	2280
20	2050	2260	2520	2190	2450	3270	15600	2880	3110	1760	1540	2170
21	1990	2450	2290	2440	2420	3120	13700	3050	2920	1830	1540	2220
22	2030	2540	2080	2320	2280	3180	15500	3010	3170	1920	1510	2000
23	2040	2990	2380	2460	2330	3060	15800	2930	3520	2000	1620	1790
24	2030	4370	2300	2630	2480	2940	15500	2850	3180	1840	1880	1980
25	2370	4430	1690	2640	2240	3020	12500	2760	2740	1830	2040	2300
26	3560	3670	1840	2530	2270	3060	12100	3170	2810	1790	2040	2320
27	2990	4910	1990	2650	2230	3280	11300	2880	2720	1850	1920	2420
28	2470	4950	1940	2730	2240	3670	9680	2750	2660	1900	1900	2920
29	2180	4200	2240	2570	---	4660	7910	2850	2590	2100	1740	3070
30	2190	3490	2420	2210	---	7410	7070	2860	2630	2400	1670	2830
31	2210	---	2660	1900	---	10500	---	2790	---	2980	1720	---
TOTAL	70110	99700	72750	73890	64320	101610	402420	111300	102570	61230	63830	65980
MEAN	2262	3323	2347	2384	2297	3278	13410	3590	3419	1975	2059	2199
MAX	3560	6160	3200	3940	2530	10500	35400	6290	5420	2980	3100	3070
MIN	1960	2090	1600	1790	1870	2300	4340	2750	2590	1730	1510	1790

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2792	3338	3021	2704	2623	3893	8074	7333	3929	2534	2326	2386
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1900 - 1993	
ANNUAL TOTAL	1251360		1289710			
ANNUAL MEAN	3419		3533		3747	
HIGHEST ANNUAL MEAN					5515	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	19300		Mar 28		68300	
LOWEST DAILY MEAN	1600		Jun 17		625	
ANNUAL SEVEN-DAY MINIMUM	1860		Sep 16		645	
INSTANTANEOUS PEAK FLOW			39800		Apr 18	
INSTANTANEOUS PEAK STAGE			15.55		Apr 18	
10 PERCENT EXCEEDS	5460		4960		7130	
50 PERCENT EXCEEDS	2670		2460		2590	
90 PERCENT EXCEEDS	2030		1900		1780	



01055000 SWIFT RIVER NEAR ROXBURY, ME

LOCATION.--Lat 44°38'32", long 70°35'17", Oxford County, Hydrologic Unit 01040002, on left bank 0.2 mi downstream from Philbrick Brook, 2.1 mi downstream from Roxbury, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--96.9 mi².

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

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

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

REMARKS.--Estimated daily discharges: Nov. 9-10, 17-21, Dec. 5 to Jan. 30, Feb 2-8, Mar. 19-20, Mar. 26 to Apr. 2, and Apr. 4-8. Records good except for periods of ice effect, Nov. 9-10, 17-21, Dec. 5 to Jan. 30, Feb 2-8, Mar. 19-20, Mar. 26 to Apr. 2, and Apr. 4-8, which are fair. 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, 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)
Apr. 11	0815	5,510	7.55	Apr. 17	1400	*11,800	*10.64

Minimum discharge, 6.5 ft³/s, Aug. 31, gage height, 0.92 ft.

**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	38	70	161	e67	36	29	e456	352	463	33	65	12
2	37	61	145	e53	e35	28	e276	348	532	29	40	18
3	36	110	134	e41	e34	28	226	289	244	28	30	13
4	34	185	121	e42	e34	28	e181	260	168	34	27	16
5	32	283	e100	e130	e33	28	e176	253	131	30	41	16
6	31	207	e72	e326	e32	28	e227	252	160	24	28	12
7	31	152	e65	e217	e32	29	e312	245	177	21	20	24
8	30	114	e62	e163	e32	29	e411	224	125	19	16	25
9	29	e82	e57	e74	32	29	524	185	103	19	15	17
10	77	e85	e54	e59	32	29	850	168	236	18	17	29
11	87	96	e51	e52	32	29	4500	160	197	15	17	90
12	77	102	e49	e46	31	28	3200	153	150	13	15	48
13	102	495	e47	e42	30	28	1680	467	111	14	14	29
14	71	319	e46	e39	31	27	1060	293	90	13	15	21
15	58	189	e45	e37	32	28	820	202	74	12	33	16
16	53	139	e47	e36	31	29	686	178	74	11	25	14
17	58	e104	e66	e35	32	30	6030	152	68	16	18	12
18	58	e100	e130	e34	33	34	2030	134	60	28	16	18
19	52	e87	e110	e33	33	e40	876	123	109	18	21	25
20	50	e85	e78	e33	32	e43	825	122	117	15	17	20
21	49	e100	e64	e32	32	37	895	119	97	23	18	14
22	49	120	e54	e45	31	34	1380	109	211	20	16	13
23	48	277	e48	e69	31	33	1260	103	229	16	12	14
24	50	306	e43	e82	31	34	765	95	114	16	11	23
25	216	194	e40	e76	30	36	563	189	78	21	54	22
26	193	238	e38	e67	29	e53	788	164	62	19	38	21
27	126	637	e36	e56	29	e200	538	121	52	18	20	56
28	94	338	e35	e49	29	e656	382	118	46	50	14	128
29	83	226	e34	e44	---	e794	345	109	40	46	10	70
30	86	183	e46	e40	---	e1100	346	98	36	92	7.9	44
31	80	---	e58	37	---	e831	---	88	---	135	6.8	---
TOTAL	2115	5684	2136	2156	891	4409	32608	5873	4354	866	697.7	880
MEAN	68.2	189	68.9	69.5	31.8	142	1087	189	145	27.9	22.5	29.3
MAX	216	637	161	326	36	1100	6030	467	532	135	65	128
MIN	29	61	34	32	29	27	176	88	36	11	6.8	12
CFSM	.70	1.96	.71	.72	.33	1.47	11.2	1.96	1.50	.29	.23	.30
IN.	.81	2.18	.82	.83	.34	1.69	12.52	2.25	1.67	.33	.27	.34

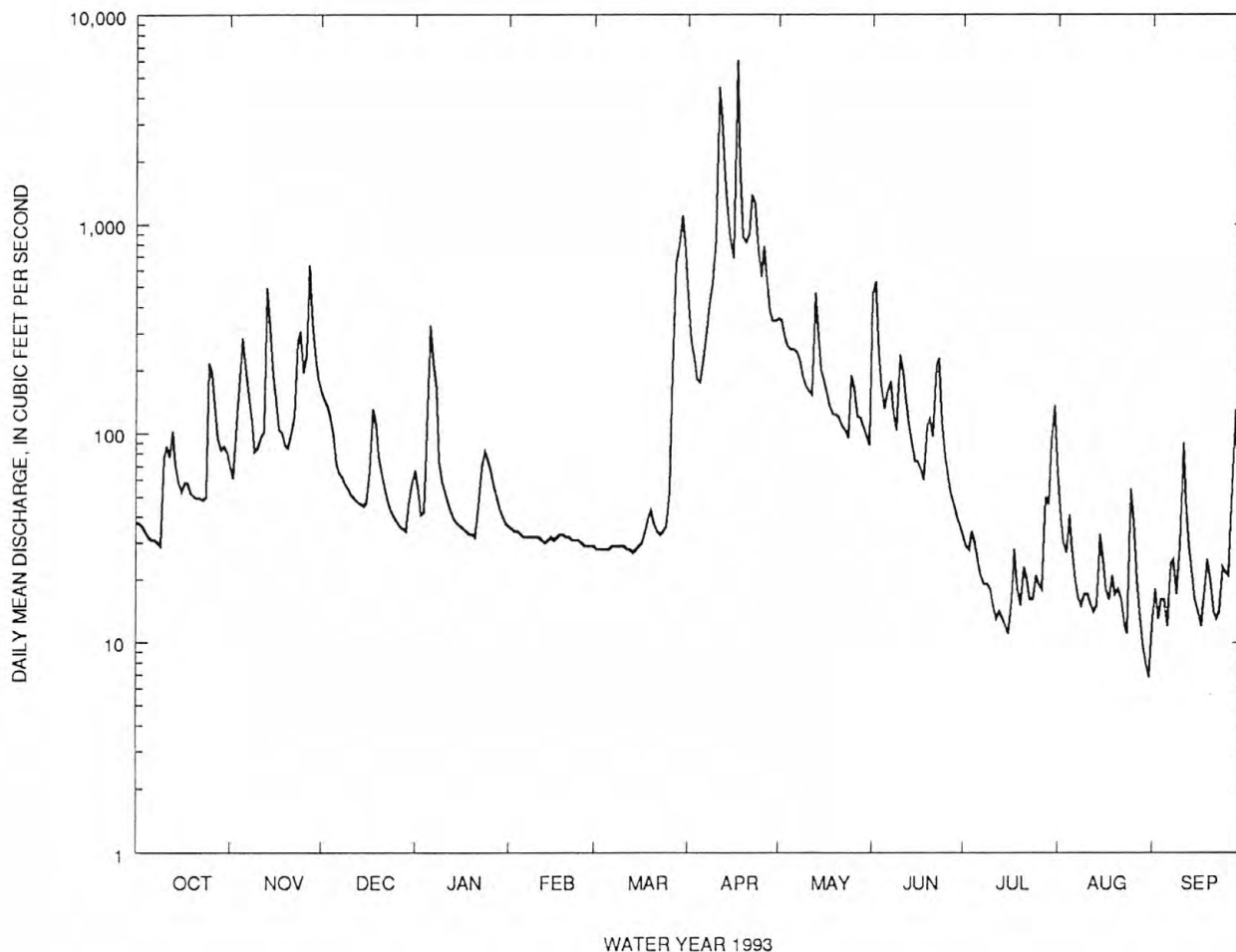
e Estimated

01055000 SWIFT RIVER NEAR ROXBURY, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	144	208	151	103	91.1	197	623	494	170	79.0	63.1	72.9
MAX	545	644	758	444	463	1315	1141	1032	482	374	277	497
(WY)	1978	1964	1974	1986	1970	1936	1951	1972	1973	1973	1991	1954
MIN	14.9	28.5	15.7	17.8	17.3	20.8	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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1930 - 1993	
ANNUAL TOTAL	65539		62669.7			
ANNUAL MEAN	179		172		200	
HIGHEST ANNUAL MEAN					296	
LOWEST ANNUAL MEAN					103	
HIGHEST DAILY MEAN	2760	Apr 22	6030	Apr 17	9120	Apr 1 1987
LOWEST DAILY MEAN	23	Aug 27	6.8	Aug 31	3.8	Sep 16 1948
ANNUAL SEVEN-DAY MINIMUM	29	Sep 16	12	Aug 28	4.3	Sep 11 1948
INSTANTANEOUS PEAK FLOW			11800	Apr 17	16800	Oct 24 1959
INSTANTANEOUS PEAK STAGE			10.64	Apr 17	12.87	Oct 24 1959
INSTANTANEOUS LOW FLOW			6.5	Aug 31	3.8	Sep 16 1948
ANNUAL RUNOFF (CFSM)	1.85		1.77		2.06	
ANNUAL RUNOFF (INCHES)	25.16		24.06		28.01	
10 PERCENT EXCEEDS	339		331		489	
50 PERCENT EXCEEDS	85		50		82	
90 PERCENT EXCEEDS	35		17		21	



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. 8-10, Dec. 21 to Mar. 31, and Apr. 4-7. Records good except for periods of ice effect, Dec. 8-10, Dec. 21 to Mar. 31, and Apr. 4-7, 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, 13,900 ft³/s, Mar. 27, 1953, gage height, 11.18 ft; minimum, 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)
Apr. 1	0215	1,850	4.63	Apr. 18	1245	2,810	5.18
Apr. 12	0715	*5,240	*6.62				

Minimum discharge, 17 ft³/s, Sept. 19-26, gage height, 0.91 ft.

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	61	91	250	e75	e70	e56	1710	481	154	48	57	23
2	53	84	220	e72	e66	e59	1200	428	318	46	51	22
3	50	111	203	e70	e63	e60	934	381	317	43	50	22
4	45	209	192	e68	e61	e53	e770	345	244	44	41	23
5	38	243	177	e96	e58	e52	e710	321	195	41	37	22
6	34	253	136	e144	e57	e55	e770	303	180	38	35	22
7	37	252	147	e125	e57	e54	e848	294	230	35	31	22
8	38	210	e128	e103	e56	e54	988	294	215	33	28	22
9	36	170	e106	e98	e56	e60	1140	267	173	31	26	22
10	47	140	e96	e80	e56	e61	1330	240	281	31	25	23
11	83	130	90	e72	e56	e66	3520	234	321	30	25	22
12	125	124	87	e65	e56	e64	5110	250	261	29	24	20
13	187	214	88	e62	e57	e61	4440	309	227	28	24	19
14	166	378	88	e59	e59	e73	2880	398	206	27	24	19
15	125	341	84	e57	e61	e66	1980	334	172	27	24	18
16	104	262	83	e55	e64	e66	1460	275	135	26	23	18
17	100	203	93	e54	e65	e77	1560	254	113	26	23	18
18	95	176	146	e52	e64	e94	2660	220	99	25	24	18
19	88	156	161	e51	e63	e84	1980	196	101	25	23	18
20	81	128	156	e53	e63	e78	1310	184	112	25	23	18
21	79	129	e136	e58	e62	e79	1040	182	109	25	28	18
22	79	134	e115	e65	e61	e80	934	175	118	24	25	18
23	80	190	e106	e98	e60	e81	1130	161	115	24	23	18
24	76	287	e92	e155	e59	e83	1260	151	99	24	23	18
25	138	307	e81	e212	e58	e88	1020	151	84	24	24	18
26	197	311	e75	e181	e57	e123	842	165	73	23	24	19
27	208	432	e70	e134	e54	e185	888	160	66	24	24	22
28	172	436	e68	e106	e55	e255	785	143	60	24	24	28
29	140	352	e66	e94	---	e428	647	131	55	27	23	26
30	120	290	e77	e83	---	e878	548	118	52	41	23	26
31	105	---	e76	e77	---	e1600	---	107	---	57	23	---
TOTAL*	2987	6743	3693	2774	1674	5173	46394	7652	4885	975	882	622
MEAN	96.4	225	119	89.5	59.8	167	1546	247	163	31.5	28.5	20.7
MAX	208	436	250	212	70	1600	5110	481	321	57	57	28
MIN	34	84	66	51	54	52	548	107	52	23	23	18
CFSM	.57	1.33	.70	.53	.35	.99	9.15	1.46	.96	.19	.17	.12
IN.	.66	1.48	.81	.61	.37	1.14	10.21	1.68	1.08	.21	.19	.14

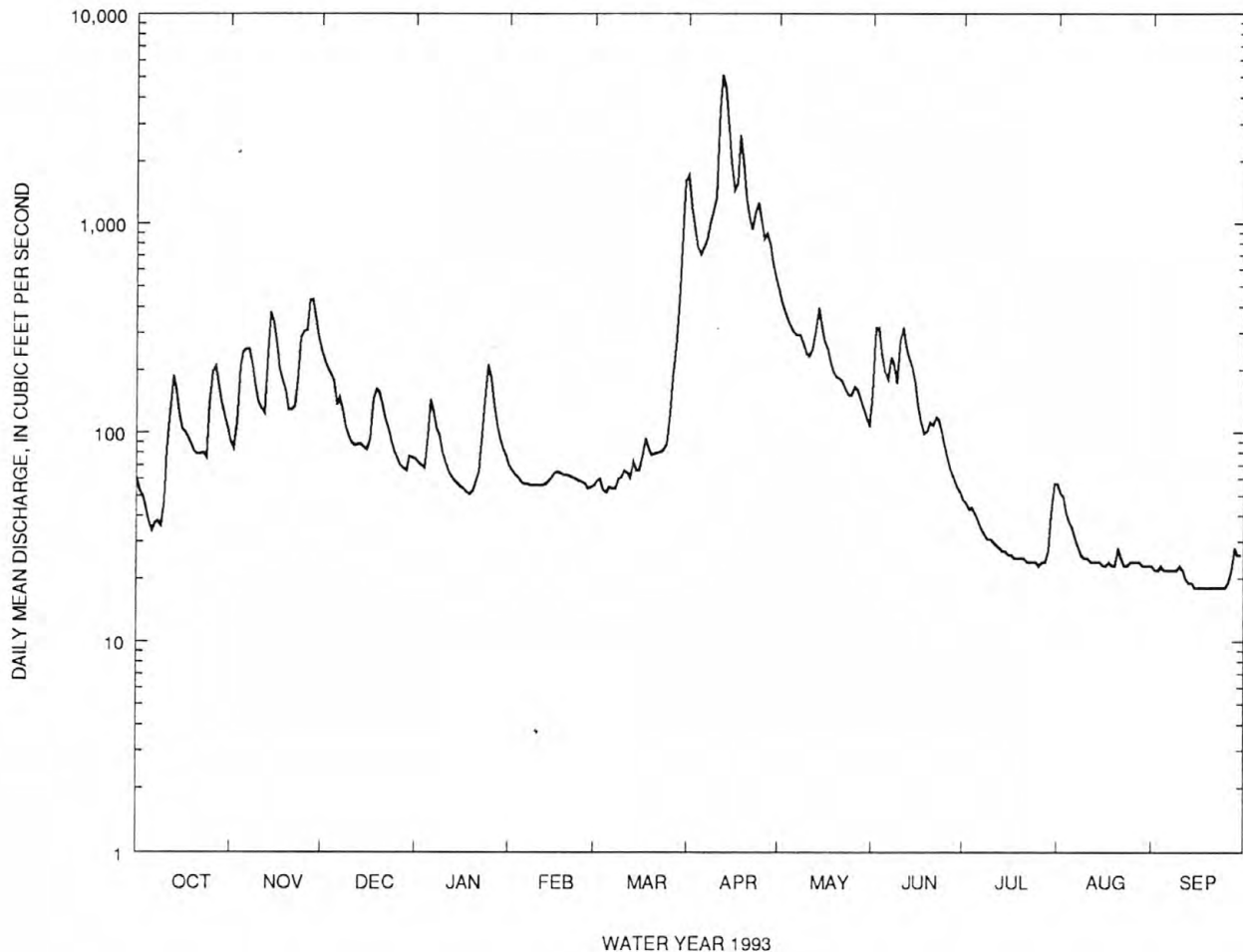
e Estimated

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	167	309	299	208	223	493	973	449	226	112	83.2	83.9
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1942 - 1993	
ANNUAL TOTAL	88821		84454			
ANNUAL MEAN	243		231		302	
HIGHEST ANNUAL MEAN					482	
LOWEST ANNUAL MEAN					144	
HIGHEST DAILY MEAN	3040		5110		10800	
LOWEST DAILY MEAN	26		18		5.8	
ANNUAL SEVEN-DAY MINIMUM	29		18		6.6	
INSTANTANEOUS PEAK FLOW			5240		13900	
INSTANTANEOUS PEAK STAGE			6.62		11.18	
INSTANTANEOUS LOW FLOW			17		5.6	
ANNUAL RUNOFF (CFSM)	1.44		1.37		1.78	
ANNUAL RUNOFF (INCHES)	19.55		18.59		24.25	
10 PERCENT EXCEEDS	519		428		735	
50 PERCENT EXCEEDS	139		80		147	
90 PERCENT EXCEEDS	46		23		35	



**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. Continuous flow through system. Submersible pump located 20 ft below pond elevation 262 ft and 28 ft below top of dam (elev. 270 ft) on May 20, 1983.

REMARKS.--Prior to May 20, 1983 pump was located 37 ft below pond elevation 262 ft and 45 ft below top of dam (elev. 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, 7.6 units, Aug. 6, 1993; 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, 186 μ S/cm, Aug. 2, 3; minimum, 27 μ S/cm, Apr. 19.

pH: Maximum, 7.6 units, Aug. 6; minimum, 6.3 units, Apr. 12, 18-20.

WATER TEMPERATURE: Maximum, 27.5°C, July 13-15; minimum, 0.0°C, on many days during winter period.

DISSOLVED OXYGEN: Maximum, 14.9 mg/L, Apr. 12-14; minimum, 5.6 mg/L, July 25, 26.

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	141	138	139	137	134	136	92	85	88	136	130	132
2	138	129	133	135	131	132	87	77	81	139	133	135
3	135	127	128	131	125	128	79	75	77	143	136	138
4	135	132	133	125	108	121	78	75	77	147	137	143
5	133	132	132	118	107	113	79	78	78	148	143	146
6	133	131	132	114	108	110	80	78	79	151	146	148
7	133	132	132	116	110	112	82	80	81	148	144	146
8	137	132	134	123	116	120	84	81	82	152	144	146
9	141	134	137	124	123	124	88	84	86	155	146	150
10	148	137	142	123	119	122	91	87	88	154	149	152
11	138	135	136	119	115	117	93	88	90	158	153	156
12	141	135	137	115	109	113	101	91	94	158	145	155
13	141	136	139	110	104	107	102	92	95	154	142	148
14	140	136	138	104	101	103	112	93	103	150	128	139
15	140	137	139	103	100	101	121	104	113	---	---	---
16	141	140	140	111	103	107	125	107	116	---	---	---
17	142	140	141	112	109	111	137	113	128	---	---	---
18	142	141	142	109	86	99	139	125	134	---	---	---
19	142	140	141	90	77	83	139	126	134	---	---	---
20	140	136	138	80	76	78	138	133	136	---	---	---
21	136	124	128	86	76	80	135	131	132	---	---	---
22	130	129	130	83	79	79	133	130	132	---	---	---
23	133	130	131	83	79	81	132	130	131	135	129	133
24	135	130	133	89	83	85	134	131	132	136	132	134
25	132	130	132	94	86	90	134	133	133	137	133	135
26	133	132	132	110	91	99	134	130	133	137	135	136
27	135	133	134	115	105	111	132	129	131	137	136	136
28	137	135	136	116	107	113	131	130	130	136	134	135
29	139	137	138	108	94	100	131	128	130	135	129	133
30	138	138	138	94	90	91	131	128	129	133	129	131
31	138	136	137	---	---	---	132	129	130	134	130	131
MONTH	148	124	136	137	76	106	139	75	110	158	128	141

ANDROSCOGGIN RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.8	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	6.9	6.9	6.9
2	6.9	6.8	6.8	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.9
3	6.8	6.7	6.8	6.9	6.9	6.9	7.0	6.9	7.0	7.0	6.9	6.9
4	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	7.0	6.9	7.0
5	6.8	6.8	6.8	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.8	6.9
6	6.8	6.7	6.8	6.9	6.8	6.8	7.0	6.9	7.0	7.0	6.8	6.9
7	6.8	6.7	6.8	6.8	6.8	6.8	7.0	6.9	7.0	7.0	6.9	7.0
8	6.8	6.8	6.8	6.9	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.9
9	6.8	6.8	6.8	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.8
10	6.9	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9
11	6.9	6.8	6.9	7.0	6.9	7.0	6.9	6.9	6.9	6.9	6.9	6.9
12	6.9	6.8	6.8	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
13	6.9	6.8	6.8	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
14	6.9	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	7.1	6.9	6.9
15	6.9	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	---	---	---
16	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.9	7.0	7.0	7.0	7.0
17	6.9	6.8	6.8	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.9	7.0
18	6.8	6.8	6.8	6.9	6.9	6.9	7.0	6.9	6.9	6.9	6.8	6.8
19	6.9	6.8	6.8	6.9	6.7	6.8	7.0	6.9	7.0	6.9	6.9	6.9
20	6.8	6.7	6.8	6.8	6.7	6.7	7.0	6.9	7.0	6.9	6.8	6.9
21	6.8	6.7	6.7	6.8	6.7	6.8	7.0	6.9	6.9	6.9	6.9	6.9
22	6.8	6.7	6.8	6.8	6.7	6.7	7.0	6.9	7.0	7.0	6.9	6.9
23	6.8	6.8	6.8	6.7	6.7	6.7	7.0	7.0	7.0	6.9	6.9	6.9
24	6.8	6.8	6.8	6.8	6.7	6.7	7.0	6.9	7.0	6.9	6.9	6.9
25	6.9	6.8	6.8	6.9	6.8	6.8	7.1	7.0	7.0	6.9	6.8	6.8
26	6.9	6.8	6.8	7.0	6.9	7.0	7.0	6.9	7.0	6.9	6.8	6.9
27	6.9	6.8	6.8	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.9	6.9
28	6.9	6.8	6.9	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.9
29	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9
30	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9
31	6.9	6.9	6.9	---	---	---	7.0	6.9	7.0	6.9	6.9	6.9
MONTH	6.9	6.7	6.8	7.0	6.7	6.9	7.1	6.9	7.0	7.1	6.8	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	7.1	7.0	7.1	6.9	6.8	6.9	6.6	6.6	6.6
2	6.9	6.8	6.9	7.1	7.0	7.1	6.8	6.7	6.7	6.6	6.6	6.6
3	7.0	6.9	7.0	7.0	7.0	7.0	6.8	6.7	6.7	6.7	6.6	6.6
4	7.0	6.9	6.9	7.1	7.0	7.0	6.8	6.7	6.7	6.7	6.6	6.7
5	7.0	6.9	7.0	7.1	7.0	7.1	6.8	6.7	6.8	6.7	6.6	6.7
6	7.0	6.9	6.9	7.1	7.0	7.0	6.8	6.7	6.8	6.7	6.6	6.7
7	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.7
8	7.1	7.0	7.0	7.1	7.0	7.0	6.8	6.7	6.8	6.7	6.6	6.7
9	7.0	7.0	7.0	7.1	7.0	7.0	6.7	6.7	6.7	6.7	6.6	6.6
10	7.1	6.9	7.0	7.1	7.0	7.0	6.8	6.7	6.7	6.8	6.5	6.7
11	7.0	7.0	7.0	7.0	6.9	7.0	6.7	6.6	6.7	6.8	6.7	6.8
12	7.1	7.0	7.1	6.9	6.9	6.9	6.6	6.3	6.5	6.7	6.6	6.7
13	7.1	7.0	7.1	7.1	6.9	7.0	6.5	6.4	6.4	6.9	6.7	6.8
14	7.0	6.9	7.0	7.0	6.8	6.9	6.5	6.4	6.4	6.8	6.7	6.7
15	7.0	6.9	7.0	6.9	6.8	6.9	6.5	6.4	6.5	6.8	6.7	6.7
16	7.0	7.0	7.0	7.0	6.9	7.0	6.5	6.5	6.5	6.9	6.7	6.8
17	7.0	6.9	7.0	7.1	7.0	7.1	6.6	6.5	6.6	6.9	6.8	6.9
18	7.0	6.9	7.0	7.1	7.0	7.1	6.6	6.3	6.5	6.9	6.7	6.8
19	7.0	7.0	7.0	7.1	7.0	7.1	6.4	6.3	6.3	6.8	6.7	6.8
20	7.0	7.0	7.0	7.1	7.1	7.1	6.4	6.3	6.4	6.8	6.7	6.8
21	7.1	7.0	7.0	7.1	7.1	7.1	6.5	6.4	6.5	6.9	6.7	6.8
22	7.1	7.0	7.0	7.1	7.0	7.1	6.6	6.5	6.5	6.8	6.6	6.7
23	7.1	7.0	7.0	7.1	7.0	7.1	6.6	6.5	6.6	7.1	6.6	6.9
24	7.0	7.0	7.0	7.1	7.0	7.1	6.6	6.5	6.6	6.8	6.7	6.8
25	7.0	6.9	7.0	7.1	7.0	7.0	6.6	6.6	6.6	6.8	6.7	6.7
26	7.1	6.9	7.0	7.0	7.0	7.0	6.6	6.5	6.6	7.0	6.7	6.8
27	7.1	7.0	7.1	7.0	6.9	7.0	6.6	6.6	6.6	7.1	6.8	7.0
28	7.1	7.0	7.1	7.0	6.9	6.9	6.7	6.6	6.6	7.0	6.8	6.9
29	---	---	---	7.0	6.9	7.0	6.6	6.6	6.6	6.9	6.8	6.8
30	---	---	---	7.0	6.9	7.0	6.6	6.6	6.6	6.9	6.8	6.9
31	---	---	---	7.0	6.9	7.0	---	---	---	6.9	6.8	6.8
MONTH	7.1	6.8	7.0	7.1	6.8	7.0	6.9	6.3	6.6	7.1	6.5	6.8

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.8	6.8	6.8	6.9	6.7	6.8	6.9	6.8	6.8	7.1	7.0	7.0
2	6.9	6.8	6.8	6.9	6.7	6.8	6.9	6.8	6.8	7.0	6.9	7.0
3	6.9	6.8	6.8	6.8	6.8	6.8	7.1	6.9	6.9	7.0	6.9	7.0
4	7.0	6.8	6.9	6.8	6.7	6.8	7.1	6.9	7.0	6.9	6.9	6.9
5	6.9	6.8	6.8	6.7	6.7	6.7	7.3	6.9	7.1	6.9	6.9	6.9
6	6.9	6.8	6.8	6.7	6.6	6.7	7.6	7.0	7.2	6.9	6.8	6.9
7	7.0	6.8	6.8	6.7	6.6	6.7	7.5	7.2	7.4	6.9	6.8	6.8
8	6.9	6.7	6.8	6.7	6.6	6.7	7.4	7.2	7.3	6.9	6.8	6.8
9	6.7	6.6	6.7	6.7	6.6	6.7	7.4	7.2	7.2	6.8	6.8	6.8
10	6.8	6.7	6.7	6.7	6.6	6.7	7.2	7.0	7.1	6.8	6.8	6.8
11	6.9	6.7	6.8	6.7	6.6	6.7	7.1	7.0	7.0	6.9	6.8	6.8
12	6.8	6.6	6.7	6.7	6.6	6.7	7.0	6.9	7.0	6.9	6.9	6.9
13	6.8	6.6	6.7	7.0	6.6	6.7	7.0	6.9	7.0	6.9	6.8	6.9
14	6.8	6.7	6.7	6.9	6.6	6.8	6.9	6.8	6.9	6.9	6.8	6.9
15	6.8	6.6	6.7	7.5	6.7	7.1	6.9	6.8	6.8	6.9	6.7	6.8
16	7.1	6.7	6.8	7.2	6.9	7.0	6.8	6.8	6.8	7.0	6.9	6.9
17	6.9	6.7	6.8	7.2	7.0	7.1	6.9	6.8	6.8	7.0	6.9	6.9
18	6.8	6.6	6.7	7.1	6.8	6.9	6.9	6.8	6.8	6.9	6.9	6.9
19	6.8	6.6	6.7	6.9	6.7	6.8	7.0	6.8	6.9	6.9	6.9	6.9
20	6.7	6.6	6.6	6.7	6.6	6.7	7.0	6.9	6.9	6.9	6.9	6.9
21	6.7	6.6	6.6	6.9	6.7	6.8	7.2	7.0	7.1	6.9	6.8	6.9
22	6.7	6.6	6.6	6.9	6.8	6.8	7.1	7.0	7.0	6.9	6.8	6.9
23	6.8	6.6	6.7	6.8	6.7	6.8	7.0	6.9	6.9	6.9	6.8	6.8
24	6.9	6.7	6.8	6.8	6.7	6.8	6.9	6.9	6.9	6.9	6.8	6.8
25	6.8	6.7	6.7	6.9	6.7	6.8	7.0	6.9	6.9	6.8	6.7	6.8
26	6.8	6.7	6.7	6.8	6.7	6.7	6.9	6.8	6.9	6.8	6.7	6.7
27	6.8	6.7	6.7	6.9	6.7	6.8	6.9	6.8	6.9	6.8	6.7	6.8
28	6.9	6.7	6.7	6.7	6.7	6.7	6.9	6.9	6.9	6.8	6.7	6.8
29	7.0	6.8	6.8	6.8	6.7	6.7	7.2	6.9	7.0	6.8	6.8	6.8
30	6.9	6.8	6.8	6.8	6.7	6.8	7.1	6.9	7.0	6.9	6.8	6.8
31	---	---	---	6.8	6.8	6.8	7.1	6.8	7.0	---	---	---
MONTH	7.1	6.6	6.7	7.5	6.6	6.8	7.6	6.8	7.0	7.1	6.7	6.9
YEAR	7.6	6.3	6.9									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	16.5	16.5	8.0	7.5	7.5	4.0	4.0	4.0	1.0	.5	1.0
2	16.5	15.5	16.0	7.5	7.0	7.5	4.0	4.0	4.0	1.0	.5	1.0
3	16.0	15.0	15.0	7.0	6.5	7.0	4.0	4.0	4.0	1.0	.5	1.0
4	16.0	15.0	15.5	7.5	6.5	7.0	4.0	3.5	3.5	1.0	.5	1.0
5	15.0	14.5	14.5	7.0	6.5	7.0	3.5	3.0	3.5	1.5	1.0	1.0
6	14.5	14.0	14.0	7.0	6.5	6.5	3.0	2.5	3.0	1.0	.5	1.0
7	14.5	13.5	13.5	6.5	5.5	6.0	3.0	2.5	3.0	1.0	.5	.5
8	13.5	12.5	13.0	5.5	5.5	5.5	2.5	2.0	2.0	1.0	.5	.5
9	13.0	12.5	12.5	5.5	5.0	5.5	2.0	1.5	1.5	1.0	.5	.5
10	13.5	12.0	12.5	5.0	5.0	5.0	2.0	1.5	1.5	1.0	.5	1.0
11	14.0	13.0	13.5	5.0	4.5	5.0	2.0	1.5	1.5	1.0	1.0	1.0
12	14.0	13.0	13.5	4.5	4.5	4.5	1.5	1.5	1.5	1.0	1.0	1.0
13	13.5	13.0	13.0	5.0	4.5	4.5	1.5	1.5	1.5	1.0	1.0	1.0
14	13.5	13.0	13.5	4.5	4.5	4.5	1.5	1.0	1.5	1.0	.5	1.0
15	13.5	13.0	13.0	4.5	4.0	4.5	1.5	1.0	1.0	---	---	---
16	13.0	12.5	13.0	4.0	4.0	4.0	1.5	1.0	1.5	1.0	.5	1.0
17	13.0	12.5	12.5	4.0	4.0	4.0	1.5	1.0	1.0	1.0	.5	1.0
18	12.5	12.5	12.5	4.0	3.5	3.5	1.0	1.0	1.0	1.0	.5	.5
19	12.5	12.0	12.0	3.5	3.0	3.5	1.0	1.0	1.0	1.0	.5	.5
20	12.0	11.5	11.5	3.5	2.5	3.0	1.0	1.0	1.0	1.0	.5	.5
21	11.5	11.0	11.5	3.5	2.5	3.0	1.0	.5	1.0	1.0	.5	.5
22	11.5	11.0	11.0	3.0	3.0	3.0	1.0	1.0	1.0	.5	.0	.5
23	11.0	10.5	11.0	3.0	3.0	3.0	1.0	1.0	1.0	.0	.0	.0
24	10.5	10.0	10.0	3.0	2.5	2.5	1.0	.5	1.0	.0	.0	.0
25	10.5	10.0	10.5	3.0	2.0	2.5	1.0	1.0	1.0	.5	.0	.0
26	10.0	9.5	10.0	3.0	2.5	3.0	1.0	1.0	1.0	.5	.0	.5
27	9.5	9.0	9.5	3.5	3.0	3.0	1.0	1.0	1.0	.5	.5	.5
28	9.0	9.0	9.0	3.5	3.0	3.5	1.0	1.0	1.0	.5	.5	.5
29	9.0	8.5	8.5	4.0	3.5	4.0	1.0	1.0	1.0	.5	.5	.5
30	8.5	8.5	8.5	4.0	4.0	4.0	1.0	1.0	1.0	.5	.5	.5
31	8.5	8.0	8.0	---	---	---	1.5	.5	1.0	.5	.5	.5
MONTH	17.0	8.0	12.0	8.0	2.0	4.5	4.0	.5	1.5	1.5	.0	.5

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	.5	.5	.5	.0	.0	.0	.5	.5	.5	9.5	8.0	9.0
2	.5	.0	.5	.0	.0	.0	.5	.0	.5	11.5	8.5	10.5
3	.5	.0	.5	.0	.0	.0	.0	.0	.0	11.5	10.0	11.0
4	.5	.0	.5	.0	.0	.0	.0	.0	.0	12.5	11.0	11.5
5	.5	.0	.5	.0	.0	.0	.0	.0	.0	13.0	11.5	12.5
6	.5	.0	.0	.0	.0	.0	.5	.0	.0	14.5	12.5	14.0
7	.5	.0	.0	.0	.0	.0	1.5	.5	.5	14.5	14.0	14.0
8	.0	.0	.0	.0	.0	.0	2.0	1.0	1.5	---	---	---
9	.0	.0	.0	.0	.0	.0	2.5	2.0	2.0	---	---	---
10	.0	.0	.0	.0	.0	.0	2.0	1.5	2.0	---	---	---
11	.0	.0	.0	.0	.0	.0	2.0	1.5	2.0	15.5	15.0	15.5
12	.0	.0	.0	.0	.0	.0	2.0	1.0	1.5	15.0	15.0	15.0
13	.0	.0	.0	.0	.0	.0	1.5	1.0	1.5	16.5	15.0	15.5
14	.0	.0	.0	.0	.0	.0	2.0	1.5	2.0	15.5	15.0	15.5
15	.0	.0	.0	.0	.0	.0	3.0	2.0	2.5	16.0	15.0	15.5
16	.0	.0	.0	.0	.0	.0	3.0	3.0	3.0	16.0	15.5	16.0
17	.0	.0	.0	.0	.0	.0	3.5	3.0	3.0	17.0	16.0	16.5
18	.0	.0	.0	.0	.0	.0	4.0	3.5	3.5	16.5	15.5	16.0
19	.0	.0	.0	.0	.0	.0	3.5	3.0	3.5	16.0	15.5	15.5
20	.0	.0	.0	.0	.0	.0	4.5	3.5	4.0	15.5	15.0	15.5
21	.0	.0	.0	.0	.0	.0	5.0	4.5	4.5	16.0	15.0	15.5
22	.0	.0	.0	.0	.0	.0	5.5	5.0	5.5	15.5	15.0	15.0
23	.0	.0	.0	.0	.0	.0	6.0	5.5	6.0	17.0	15.0	16.0
24	.0	.0	.0	.0	.0	.0	5.5	5.0	5.5	16.0	15.0	15.5
25	.0	.0	.0	.0	.0	.0	5.5	5.0	5.5	15.5	15.0	15.5
26	.0	.0	.0	.0	.0	.0	6.0	5.5	6.0	17.0	15.0	16.0
27	.0	.0	.0	.0	.0	.0	7.0	6.0	6.5	17.0	15.5	16.5
28	.0	.0	.0	.0	.0	.0	7.5	6.5	7.0	16.5	16.0	16.5
29	---	---	---	.0	.0	.0	8.5	7.0	7.5	17.0	16.0	16.5
30	---	---	---	.5	.0	.0	9.5	7.5	8.0	16.5	16.0	16.5
31	---	---	---	.5	.5	.5	---	---	---	16.5	16.0	16.0
MONTH	.5	.0	.0	.5	.0	.0	9.5	.0	3.0	17.0	8.0	15.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	16.0	16.0	16.0	24.0	23.5	24.0	22.5	22.5	22.5	24.5	24.5	24.5
2	16.5	15.5	16.0	24.0	24.0	24.0	23.0	22.5	22.5	24.5	24.0	24.5
3	16.0	15.5	15.5	24.0	24.0	24.0	23.5	22.5	23.0	24.0	24.0	24.0
4	17.0	15.0	15.5	25.0	24.0	24.5	24.0	23.0	23.5	24.0	24.0	24.0
5	16.0	14.5	15.0	24.5	24.0	24.5	24.5	23.0	24.5	24.0	24.0	24.0
6	15.0	14.5	15.0	24.5	24.0	24.0	25.0	24.5	24.5	24.0	23.5	24.0
7	16.0	15.0	15.5	24.5	24.0	24.0	24.5	24.5	24.5	23.5	23.5	23.5
8	16.0	15.0	15.5	24.5	24.0	24.5	24.5	24.5	24.5	23.5	23.5	23.5
9	15.5	15.0	15.0	25.5	24.5	25.0	24.5	24.5	24.5	23.5	23.0	23.0
10	17.5	15.0	16.0	26.0	25.0	25.5	24.5	24.5	24.5	23.0	23.0	23.0
11	18.0	16.5	17.0	26.5	25.5	26.0	24.5	24.0	24.5	23.0	22.5	22.5
12	17.5	16.5	17.0	26.5	26.0	26.5	24.5	24.0	24.0	22.5	22.0	22.0
13	18.0	17.0	17.5	27.5	26.5	27.0	24.0	24.0	24.0	22.0	21.5	21.5
14	19.0	17.5	18.0	27.5	26.5	27.0	24.0	24.0	24.0	21.5	21.5	21.5
15	19.0	18.0	18.5	27.5	26.5	27.0	24.0	23.5	24.0	22.0	21.5	21.5
16	22.0	19.0	20.0	27.0	26.5	26.5	24.0	23.5	23.5	22.0	21.5	21.5
17	21.5	20.0	21.0	26.5	26.0	26.0	23.5	23.5	23.5	21.5	21.0	21.0
18	22.5	21.0	21.5	26.0	25.5	25.5	24.0	23.5	23.5	21.0	21.0	21.0
19	22.5	21.5	22.0	25.5	25.5	25.5	24.0	23.5	23.5	21.0	20.0	20.5
20	22.5	21.5	22.0	25.5	25.0	25.0	24.0	23.5	23.5	20.0	20.0	20.0
21	22.0	21.5	22.0	26.0	25.0	25.0	24.5	23.5	24.0	20.0	19.0	19.5
22	22.5	22.0	22.0	25.0	24.5	24.5	24.0	23.5	23.5	19.0	18.5	19.0
23	22.0	21.5	22.0	24.5	24.0	24.5	23.5	23.5	23.5	19.0	18.0	18.5
24	22.5	21.5	21.5	24.5	24.0	24.0	23.5	23.5	23.5	18.5	18.0	18.0
25	21.5	21.0	21.0	24.0	23.5	24.0	24.0	23.5	23.5	18.0	17.5	18.0
26	21.5	21.0	21.0	23.5	23.0	23.5	24.0	23.5	23.5	17.5	17.5	17.5
27	21.5	21.0	21.5	23.0	22.5	23.0	24.0	23.5	24.0	17.5	17.0	17.0
28	22.5	21.0	21.5	23.0	22.5	23.0	24.0	24.0	24.0	17.0	16.5	16.5
29	23.5	22.5	23.0	23.0	22.5	22.5	25.5	24.0	24.5	17.0	16.5	16.5
30	24.5	23.0	23.5	22.5	22.5	22.5	25.0	24.5	24.5	16.5	16.5	16.5
31	---	---	---	22.5	22.5	22.5	24.5	24.5	24.5	---	---	---
MONTH	24.5	14.5	19.0	27.5	22.5	24.5	25.5	22.5	24.0	24.5	16.5	21.0
YEAR	27.5	.0	10.5									

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

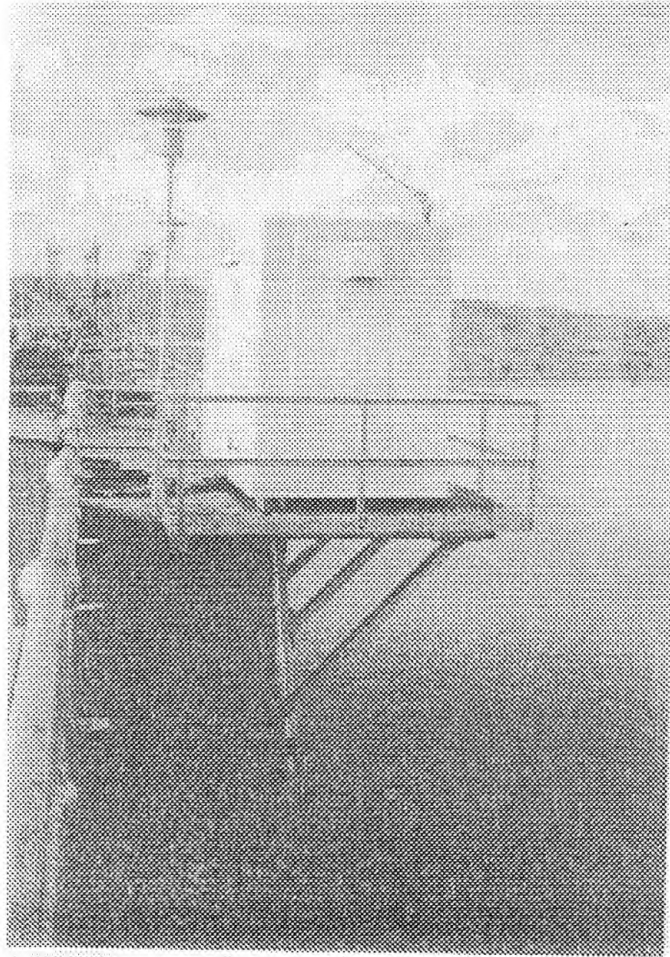
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.3	8.0	8.2	10.0	9.9	9.9	13.1	13.0	13.1	13.7	13.3	13.5
2	8.5	8.1	8.3	---	---	---	13.2	13.0	13.1	13.4	13.2	13.3
3	8.6	8.4	8.5	---	---	---	13.2	13.0	13.1	13.5	13.2	13.3
4	8.7	8.4	8.6	10.6	10.1	10.3	13.2	13.1	13.1	13.5	13.3	13.4
5	8.6	8.5	8.5	10.6	10.3	10.4	13.1	12.9	13.0	13.5	13.2	13.4
6	8.6	7.6	8.2	10.8	10.5	10.6	13.0	12.9	13.0	13.4	13.3	13.3
7	8.3	7.7	8.0	11.2	10.8	10.9	13.1	12.9	13.0	13.5	13.3	13.4
8	8.5	8.1	8.4	11.4	11.2	11.3	13.1	12.9	13.0	13.5	13.2	13.4
9	8.4	8.1	8.3	11.6	11.4	11.5	13.0	13.0	13.0	13.3	13.2	13.2
10	8.3	8.1	8.2	11.6	11.5	11.5	13.2	12.9	13.0	13.3	13.1	13.2
11	8.5	8.3	8.4	11.7	11.5	11.6	13.2	12.9	13.0	13.3	13.1	13.2
12	8.6	8.0	8.3	11.7	11.6	11.7	13.1	12.9	13.0	13.7	13.2	13.3
13	8.6	8.1	8.2	11.9	11.7	11.8	13.2	12.8	12.9	13.7	13.2	13.5
14	8.7	8.3	8.5	12.1	11.9	12.0	13.4	12.8	13.1	13.9	13.4	13.6
15	8.6	8.4	8.5	12.4	12.0	12.2	13.4	12.9	13.2	---	---	---
16	8.4	8.1	8.3	12.5	12.3	12.4	13.9	13.0	13.4	13.8	13.6	13.7
17	8.4	8.1	8.2	12.5	12.2	12.4	14.0	13.6	13.9	13.8	13.5	13.7
18	8.2	7.7	8.0	12.6	12.3	12.4	14.0	13.8	14.0	13.8	13.5	13.6
19	8.1	7.9	8.0	12.6	12.5	12.5	14.0	13.7	13.9	13.7	13.4	13.6
20	8.1	7.8	7.9	12.7	12.5	12.6	14.1	13.7	13.9	13.7	13.4	13.5
21	8.1	7.8	7.9	12.6	12.3	12.5	14.2	13.8	14.0	13.6	13.4	13.6
22	8.2	7.8	8.0	12.6	12.3	12.5	13.9	13.7	13.8	13.9	13.4	13.6
23	8.5	8.1	8.2	12.7	12.5	12.6	13.8	13.6	13.7	13.7	13.2	13.5
24	8.7	8.4	8.6	12.8	12.6	12.7	13.9	13.5	13.7	13.5	13.3	13.4
25	8.8	8.4	8.7	13.0	12.8	12.9	14.0	13.7	13.8	13.4	13.1	13.3
26	9.1	8.8	8.9	13.2	12.9	13.1	13.9	13.7	13.8	13.3	13.2	13.2
27	9.4	9.0	9.2	13.2	13.1	13.1	13.9	13.6	13.8	13.3	13.2	13.2
28	9.6	9.4	9.5	13.2	13.1	13.1	13.9	13.7	13.8	13.3	13.2	13.3
29	9.9	9.6	9.8	13.2	13.0	13.1	13.9	13.5	13.7	13.3	13.2	13.2
30	9.9	9.7	9.9	13.1	13.0	13.1	13.8	13.4	13.7	13.4	13.1	13.3
31	9.9	9.8	9.9	---	---	---	13.8	13.6	13.7	13.9	13.3	13.4
MONTH	9.9	7.6	8.5	13.2	9.9	12.0	14.2	12.8	13.4	13.9	13.1	13.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.7	13.3	13.5	13.1	12.8	13.0	14.3	13.6	14.0	12.5	12.2	12.3
2	14.0	13.2	13.7	13.1	12.8	12.9	14.5	14.3	14.4	12.2	11.8	12.0
3	13.9	13.4	13.8	13.0	12.9	13.0	14.7	14.5	14.6	11.8	11.6	11.7
4	13.9	13.4	13.7	13.1	12.8	13.0	14.7	14.5	14.6	11.6	11.3	11.4
5	14.0	13.4	13.7	13.2	12.9	13.0	14.5	14.3	14.5	---	---	---
6	13.9	13.5	13.8	13.1	12.8	12.9	14.3	14.1	14.2	---	---	---
7	14.0	13.6	13.7	13.1	12.8	12.9	14.3	14.0	14.1	---	---	---
8	13.9	13.6	13.8	13.1	12.7	12.9	14.3	13.9	14.0	---	---	---
9	13.9	13.5	13.7	13.0	12.8	12.9	13.9	13.8	13.9	---	---	---
10	13.9	13.5	13.7	13.5	12.8	13.1	14.1	13.8	14.0	---	---	---
11	13.7	13.5	13.6	13.5	13.2	13.4	14.2	13.9	14.1	10.0	9.5	9.8
12	13.7	13.4	13.6	13.5	13.2	13.4	14.9	13.9	14.5	9.5	8.8	9.2
13	13.6	13.4	13.5	13.5	13.1	13.3	14.9	14.9	14.9	9.9	9.2	9.5
14	13.6	13.3	13.4	13.4	13.1	13.2	14.9	14.7	14.8	9.5	8.6	9.2
15	13.5	13.3	13.4	13.5	13.1	13.3	14.7	14.2	14.5	9.3	8.5	8.8
16	13.4	13.2	13.3	13.5	13.2	13.4	14.2	14.1	14.2	9.1	8.4	8.8
17	13.4	13.2	13.3	13.5	13.2	13.4	14.1	13.8	14.0	9.4	8.6	8.9
18	13.4	13.2	13.3	13.7	13.3	13.5	14.4	13.7	14.0	9.1	7.8	8.5
19	13.4	13.2	13.3	13.7	13.3	13.5	14.5	14.3	14.4	8.9	8.1	8.5
20	13.4	13.1	13.3	13.7	13.3	13.5	14.3	13.7	14.0	8.9	8.6	8.7
21	13.4	13.1	13.2	14.0	13.4	13.7	13.7	13.3	13.5	9.2	8.4	8.6
22	13.4	13.1	13.2	14.0	13.6	13.8	14.0	12.9	13.5	8.9	8.2	8.4
23	13.5	13.1	13.3	14.1	13.7	14.0	13.8	13.4	13.5	9.9	8.2	9.0
24	13.4	13.0	13.3	14.4	13.7	14.1	13.7	13.4	13.5	8.9	7.9	8.5
25	13.2	12.8	13.0	14.3	13.9	14.2	14.0	13.7	13.9	8.7	7.7	8.1
26	13.1	12.8	13.0	14.2	14.0	14.1	13.9	13.4	13.7	9.1	7.8	8.4
27	13.1	12.7	12.9	14.1	13.9	14.0	13.4	13.0	13.1	9.7	8.1	9.0
28	13.2	12.8	12.9	13.9	13.8	13.9	13.0	12.9	12.9	9.2	8.4	8.8
29	---	---	---	13.9	13.7	13.8	12.9	12.8	12.9	8.9	8.2	8.6
30	---	---	---	13.7	13.3	13.5	12.8	12.4	12.7	8.6	8.2	8.5
31	---	---	---	13.6	13.3	13.4	---	---	---	8.3	7.7	8.0
MONTH	14.0	12.7	13.4	14.4	12.7	13.4	14.9	12.4	14.0	12.5	7.7	9.2

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

[illegible]



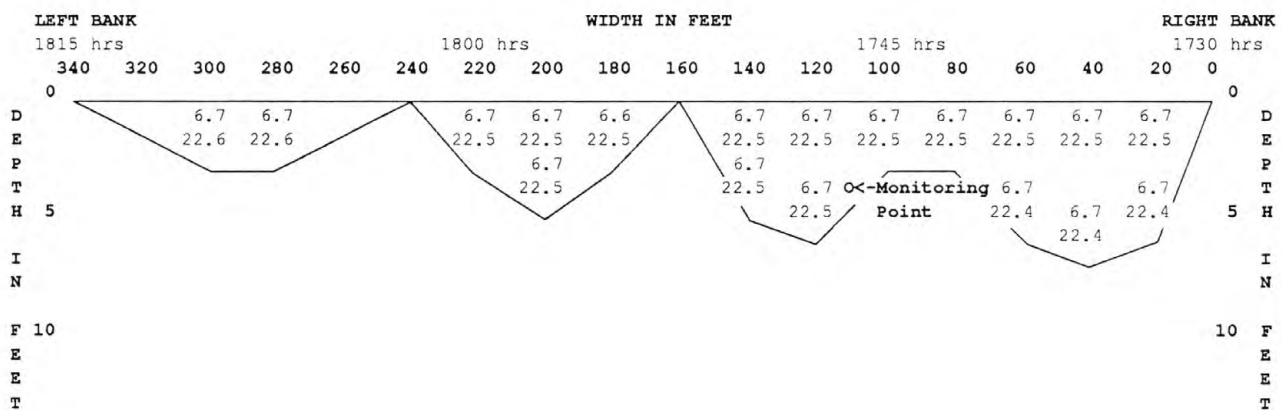
Gulf Island Pond
Water-Quality Monitor

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.1	8.8	9.0	7.1	6.8	7.0	7.7	7.3	7.5	7.9	7.4	7.6
2	9.2	8.7	8.9	7.0	6.8	6.9	7.7	7.1	7.5	8.2	7.3	7.8
3	9.5	9.0	9.3	7.0	6.3	6.6	7.9	7.3	7.5	8.2	7.5	7.9
4	---	---	---	6.5	6.3	6.4	8.1	7.4	7.8	7.7	7.4	7.5
5	---	---	---	6.6	6.4	6.5	8.2	7.5	7.8	8.1	7.5	7.8
6	---	---	---	6.7	6.3	6.5	8.3	6.6	7.8	8.0	7.4	7.6
7	---	---	---	6.7	6.1	6.4	8.9	6.4	7.6	8.2	7.5	7.8
8	9.9	9.4	9.7	---	---	---	8.3	6.2	7.0	8.1	7.9	8.0
9	9.6	9.0	9.3	---	---	---	8.6	6.5	8.1	8.2	7.7	7.9
10	9.4	8.9	9.1	6.3	6.0	6.2	8.9	6.9	8.2	8.2	7.4	7.8
11	9.2	8.8	9.0	6.5	6.0	6.2	8.7	6.7	8.0	7.9	7.4	7.6
12	9.1	8.4	8.8	6.3	5.8	6.0	8.4	6.3	7.8	8.2	7.8	8.0
13	8.7	8.2	8.5	6.2	5.7	5.9	8.1	6.1	7.3	8.8	7.7	8.2
14	8.5	8.1	8.4	6.6	6.1	6.3	8.5	6.0	7.9	8.5	7.8	8.1
15	8.5	8.2	8.4	6.6	6.2	6.5	8.3	5.9	7.4	8.2	7.9	8.1
16	8.5	7.9	8.3	7.3	6.5	6.9	7.6	5.6	7.2	8.8	7.9	8.2
17	8.3	8.0	8.2	7.9	7.0	7.4	7.3	5.4	6.8	8.7	8.4	8.5
18	8.3	7.9	8.0	9.1	7.3	8.1	7.4	6.7	7.0	8.5	8.3	8.4
19	8.0	7.5	7.7	8.4	7.6	8.0	7.9	7.1	7.5	8.4	8.0	8.2
20	7.6	7.4	7.5	7.6	6.2	6.8	7.9	7.5	7.7	8.3	8.0	8.1
21	7.5	7.2	7.4	6.7	6.3	6.5	8.5	6.1	7.8	8.0	7.7	7.8
22	7.2	6.8	7.0	6.7	6.4	6.5	9.2	8.0	8.6	7.8	7.6	7.6
23	7.6	7.1	7.4	6.6	6.1	6.3	9.2	8.6	8.9	8.1	7.6	7.8
24	7.5	7.1	7.3	6.7	6.2	6.4	9.0	8.3	8.5	8.3	7.9	8.1
25	7.2	6.9	7.1	6.7	4.4	6.2	8.9	8.2	8.6	8.2	7.9	8.1
26	7.2	6.7	6.9	6.9	6.4	6.6	8.7	8.1	8.4	8.2	7.9	8.1
27	7.0	6.5	6.8	6.9	6.5	6.7	8.6	8.0	8.3	8.5	7.9	8.1
28	7.0	6.6	6.8	7.0	4.8	6.6	8.5	8.0	8.2	9.0	8.3	8.5
29	7.0	6.8	6.9	6.9	5.1	6.5	8.7	7.8	8.2	8.9	8.6	8.8
30	7.2	6.9	7.1	7.3	5.3	6.6	8.2	7.6	7.9	9.0	8.6	8.8
31	---	---	---	7.6	5.9	7.1	8.0	7.8	7.9	---	---	---
MONTH	9.9	6.5	8.0	9.1	4.4	6.6	9.2	5.4	7.8	9.0	7.3	8.0
PERIOD	9.9	4.4	7.6									

CROSS SECTION OF OXYGEN DISSOLVED (DO), (MG/L), AND WATER TEMPERATURE (WT), (DEG. C)
(LOOKING DOWNSTREAM)
JULY 29, 1993



CROSS SECTION VALUES

MONITOR HOURLY VALUES

MONITOR DAILY VALUES

	Max	Min	Mean	Time	DO	WT		Max	Min	Mean
DO	6.7	6.6	6.7	1700	6.7	22.6	DO	6.9	5.1	6.5
WT	22.6	22.4	22.5	1800	6.7	22.6	WT	22.9	21.5	22.4

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. 25, 27, Dec. 30 to Jan. 7, Jan. 26 to Mar. 26. Records good except for period of ice-effect, Jan. 26 to Mar. 26, and periods of doubtful gage-height record, Dec. 25, 27, and Dec. 30 to Jan 7, 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, 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)
Mar. 30	2,330	1,100	5.98	Apr. 17	2000	2,480	7.84
Apr. 11	1,200	*3,030	*8.38				

Minimum discharge, 3.3 ft³/s, Sep. 16, 17, 22, 23, gage height, 1.54 ft.

**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	19	34	115	e79	e23	e25	727	197	96	13	20	4.0
2	17	32	103	e52	e23	e25	414	181	173	11	14	4.2
3	16	63	94	e31	e23	e24	289	156	114	10	13	4.2
4	15	128	84	e47	e23	e24	232	143	88	11	11	4.2
5	13	109	76	e67	e23	e23	220	139	71	10	8.9	4.1
6	12	118	57	e102	e23	e25	259	134	86	9.0	7.4	4.0
7	12	112	64	e75	e20	e26	339	130	115	8.2	6.4	4.1
8	11	88	53	55	e20	e26	434	127	86	7.4	5.8	4.1
9	11	70	43	45	e19	e26	514	117	69	6.7	5.2	4.2
10	50	58	38	33	e19	e26	653	107	160	6.4	4.9	4.2
11	64	56	40	29	e19	e27	2630	104	128	5.7	4.7	4.3
12	59	56	42	27	e18	e27	2540	101	104	5.0	4.4	4.4
13	79	259	44	27	e19	e28	1650	172	81	5.0	4.3	4.2
14	58	268	42	28	e23	e29	1060	160	67	4.7	4.3	3.8
15	49	166	41	30	e24	e34	785	128	55	4.4	4.2	3.5
16	45	125	42	30	e23	e34	551	119	51	4.1	3.9	3.3
17	47	100	47	30	e24	e32	1330	112	46	4.1	3.9	3.4
18	44	87	95	30	e28	e34	1480	96	38	4.1	3.9	3.7
19	39	77	77	27	e28	e37	741	86	46	4.0	4.0	3.8
20	35	63	72	27	e26	e35	532	84	61	4.0	4.0	3.8
21	32	64	62	27	e26	e33	422	83	52	4.6	4.8	3.7
22	31	69	56	27	e26	e32	401	77	61	5.2	5.1	3.4
23	30	103	50	52	e28	e32	554	78	53	5.3	4.6	3.3
24	29	163	44	73	e27	e32	533	69	38	4.9	4.1	3.6
25	61	144	e35	92	e26	e34	369	81	29	4.6	11	3.9
26	86	158	37	e69	e25	e47	330	95	25	4.4	14	4.5
27	75	292	e32	e55	e25	83	355	76	20	4.3	8.3	8.9
28	60	210	27	e47	e25	148	283	67	14	7.7	5.8	26
29	51	158	29	e38	---	325	243	62	17	9.4	4.6	19
30	44	132	e43	e30	---	825	216	56	15	30	3.9	11
31	38	---	e60	e24	---	1040	---	49	---	33	3.6	---
TOTAL	1232	3562	1744	1405	656	3198	21086	3386	2059	251.2	208.0	166.8
MEAN	39.7	119	56.3	45.3	23.4	103	703	109	68.6	8.10	6.71	5.56
MAX	86	292	115	102	28	1040	2630	197	173	33	20	26
MIN	11	32	27	24	18	23	216	49	14	4.0	3.6	3.3
CFSM	.54	1.62	.77	.62	.32	1.40	9.56	1.49	.93	.11	.09	.08
IN.	.62	1.80	.88	.71	.33	1.62	10.67	1.71	1.04	.13	.11	.08

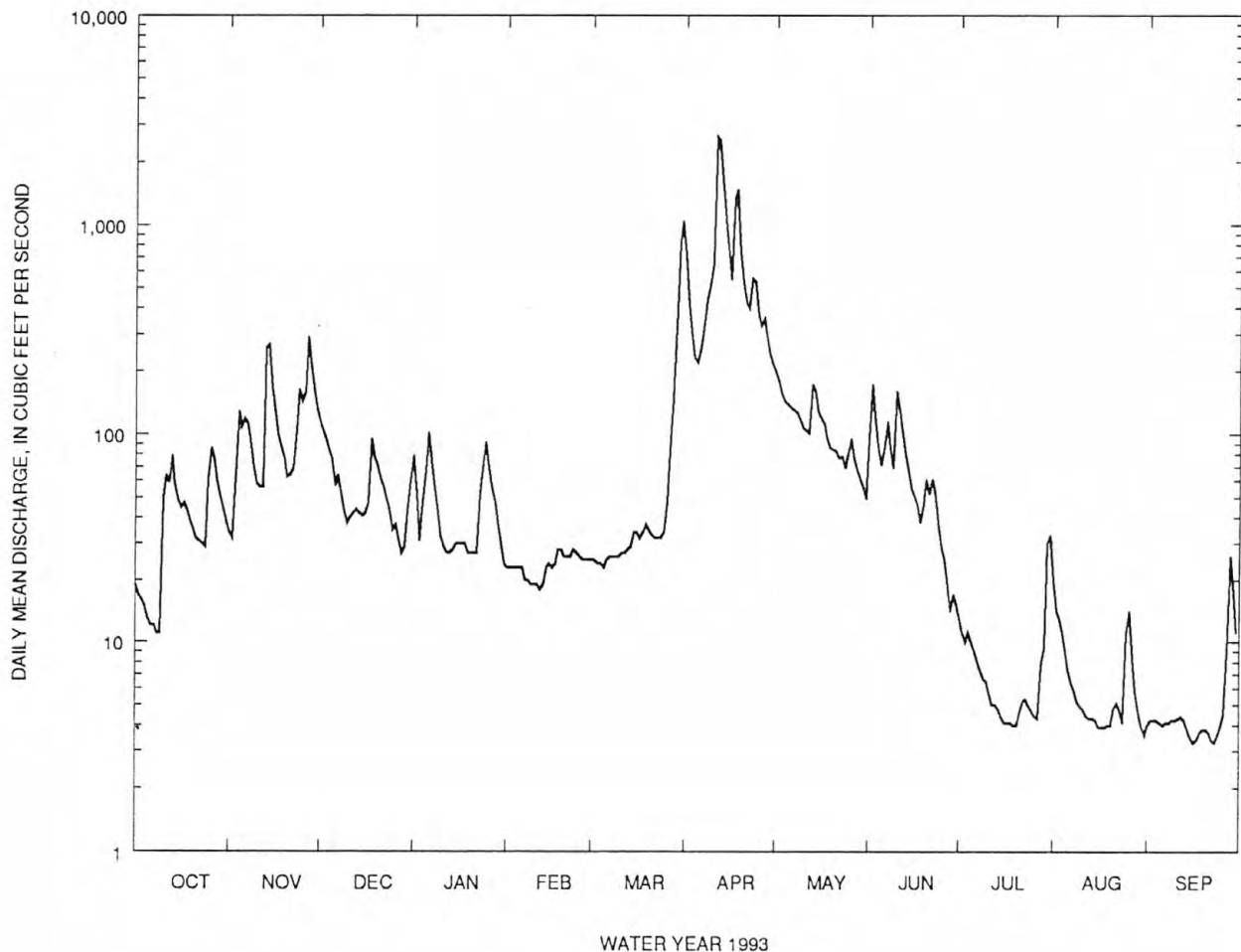
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.9	139	128	87.5	82.7	208	471	219	109	49.6	39.5	41.6
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1914 - 1993	
ANNUAL TOTAL	37447.4		38954.0		138	
ANNUAL MEAN	102		107		219	
HIGHEST ANNUAL MEAN					62.9	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	1680	Mar 29	2630	Apr 11	6760	Apr 1 1987
LOWEST DAILY MEAN	7.8	Jul 31	3.3	Sep 16	1.0	Aug 16 1914
ANNUAL SEVEN-DAY MINIMUM	11	Sep 16	3.6	Sep 16	1.0	Feb 22 1920
INSTANTANEOUS PEAK FLOW			3030	Apr 11	9340	Apr 1 1987
INSTANTANEOUS PEAK STAGE			8.38	Apr 11	12.22	Apr 1 1987
INSTANTANEOUS LOW FLOW			3.3	Sep 16	1.0	Aug 16 1914
ANNUAL RUNOFF (CFSM)	1.39		1.45		1.88	
ANNUAL RUNOFF (INCHES)	18.95		19.72		25.49	
10 PERCENT EXCEEDS	216		212		336	
50 PERCENT EXCEEDS	53		34		63	
90 PERCENT EXCEEDS	17		4.2		12	



01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME

LOCATION.--Lat 44°04'20", long 70°12'31", Androscoggin County, Hydrologic Unit 01040002, on right bank 1.5 mi downstream from Little Androscoggin River and 2.1 mi downstream from North Bridge between Auburn and Lewiston.

DRAINAGE AREA.--3,263 mi².

PERIOD OF RECORD.--Discharge: October 1928 to current year. Monthly discharge only for October 1928, published in WSP 1301.
Chemical analyses: Water years 1952-56, 1966 to 1975.

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

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

REMARKS.--No estimated daily discharges. Records excellent. Considerable diurnal fluctuation and some regulation by powerplants above station. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, Umbagog, Auburn, and Thompson Lakes and Gulf Island Pond (Reservoirs in Androscoggin River Basin) with major regulation at Errol Dam 136 mi upstream. Several observations of water temperature and specific conductance were made during the year. 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, 340 ft³/s, Sept. 28, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53,000 ft³/s, Apr. 12, gage height, 15.27 ft; minimum daily 1,520 ft³/s, Sept. 25.

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

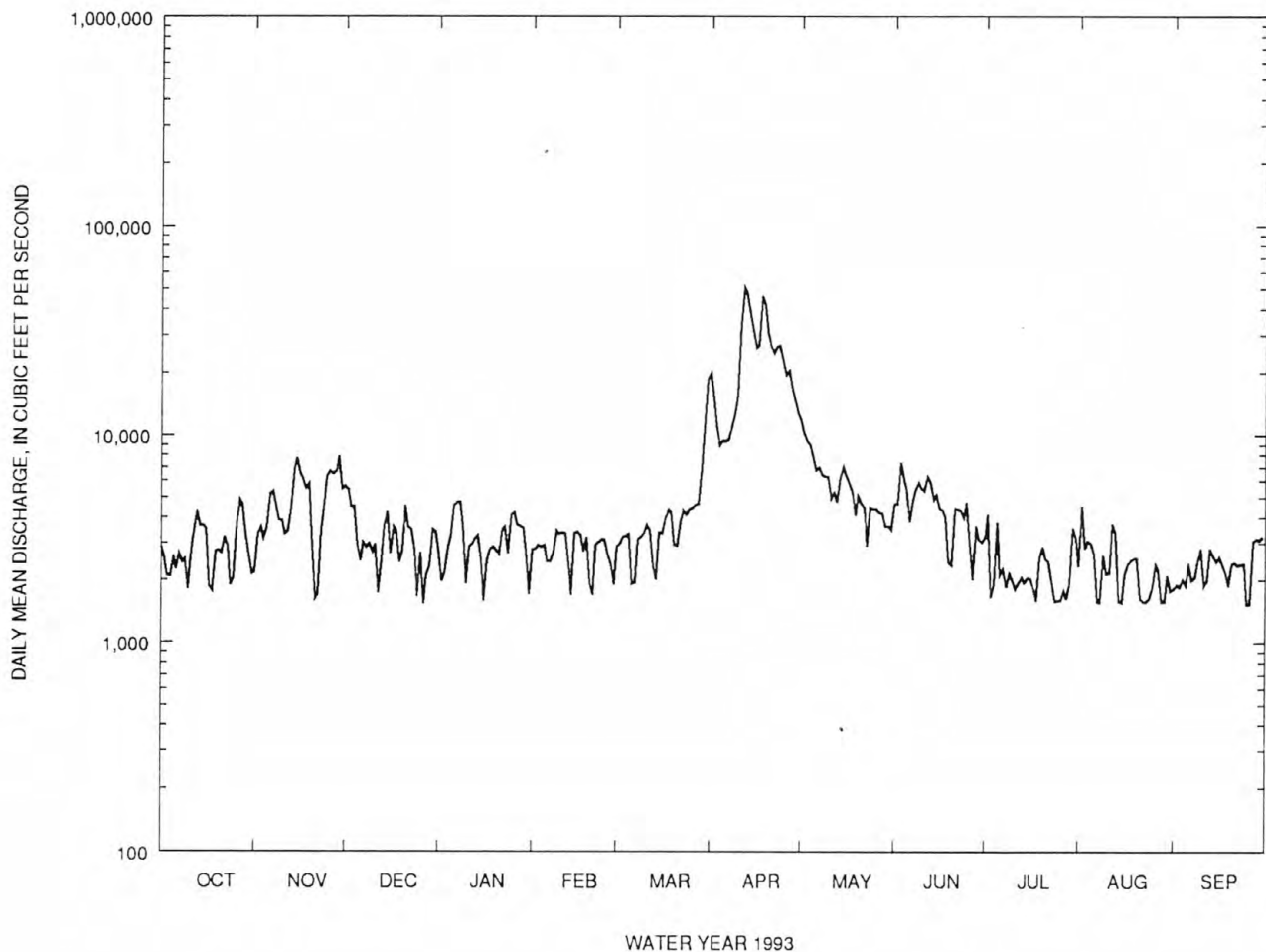
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2870	2170	5660	2800	2800	2870	19900	11700	4640	3190	2340	1820
2	2620	3330	5440	1970	2810	3000	15000	10300	4650	4150	4530	1890
3	2100	3610	4480	2170	2940	3230	11200	9420	7400	1650	2840	1850
4	2090	3210	4530	2890	2890	3250	9010	8960	6400	1910	3080	2020
5	2610	3580	2940	3230	2950	3330	9420	7770	5410	3780	3010	1890
6	2250	5150	2470	4560	2450	1920	9390	6760	3840	2120	2670	2400
7	2690	5350	3020	4730	2460	1950	9540	6970	4850	2260	1560	2000
8	2430	4640	2890	4740	2710	3140	11100	6410	5450	1850	1550	2060
9	2500	3900	2980	3680	3460	3220	12900	6340	5890	2140	2630	2530
10	1810	3870	2720	1930	3330	3380	15600	6290	5510	2010	2140	2820
11	2780	3340	2970	2900	3390	3690	33700	4940	5380	1820	2160	1880
12	3640	3440	1740	2980	3330	3450	51000	5280	6310	1930	3740	2000
13	4300	4460	2510	3150	2370	2320	48000	4750	5910	2050	3360	2810
14	3670	6830	3680	3260	1700	2010	38700	6220	4870	1950	1580	2610
15	3670	7780	4270	2510	3370	3380	31700	7040	5120	2040	1550	2450
16	3500	6590	2680	1590	3410	3370	26300	6390	4430	2030	2120	2570
17	1870	6060	3610	2480	3260	3940	26800	5900	4330	1790	2370	2380
18	1770	5530	3460	2810	2750	4360	46500	5350	4040	1590	2490	2200
19	2740	5820	2430	2870	3210	4280	41900	4130	2420	2580	2540	1880
20	2780	2930	2790	2780	1920	2940	31400	5070	2350	2880	2540	2390
21	2710	1630	4560	2670	1700	2920	26700	4690	4420	2550	1630	2410
22	3220	1720	3590	3500	2960	3820	24800	4440	4380	2440	1570	2350
23	2900	3500	3510	3610	3050	4330	26600	2930	4340	1970	1570	2360
24	1890	4720	2770	2690	3130	4150	26800	4440	4010	1580	1630	2380
25	2040	6310	1670	4160	3120	4400	22800	4380	4710	1590	1840	1520
26	3730	6680	2710	4250	2640	4450	19500	4390	3030	1600	2360	1530
27	4830	6490	1530	3710	2370	4600	20400	4240	2020	1770	2240	3080
28	4620	6670	2110	3630	1910	4650	17100	4220	3640	1620	1560	3160
29	3340	7930	2340	3550	---	6850	14800	3640	3130	1950	1560	3120
30	2630	5500	3510	2750	---	10800	12800	3640	3050	3550	2110	3220
31	2150	---	3410	1720	---	18600	---	3510	---	3170	1780	---
TOTAL	88750	142740	98980	96270	78390	132600	711360	180510	135930	69510	70650	69580
MEAN	2863	4758	3193	3105	2800	4277	23710	5823	4531	2242	2279	2319
MAX	4830	7930	5660	4740	3460	18600	51000	11700	7400	4150	4530	3220
MIN	1770	1630	1530	1590	1700	1920	9010	2930	2020	1580	1550	1520

01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4132	5557	5241	4448	4354	7200	15270	11740	5823	3508	3129	3227
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1929 - 1993	
ANNUAL TOTAL	1900360		1875270			
ANNUAL MEAN	5192		5138		6137	
HIGHEST ANNUAL MEAN					9444	
LOWEST ANNUAL MEAN					3500	
					1974	
HIGHEST DAILY MEAN	36300		Mar 29		114000	
LOWEST DAILY MEAN	1530		Dec 27		340	
ANNUAL SEVEN-DAY MINIMUM	2120		Aug 24		1390	
					Sep 10 1989	
INSTANTANEOUS PEAK FLOW			53000		Apr 12	
INSTANTANEOUS PEAK STAGE			15.27		Apr 12	
					27.57	
					Mar 20 1936	
10 PERCENT EXCEEDS	9190		8340		13000	
50 PERCENT EXCEEDS	3910		3210		4160	
90 PERCENT EXCEEDS	2120		1850		1980	



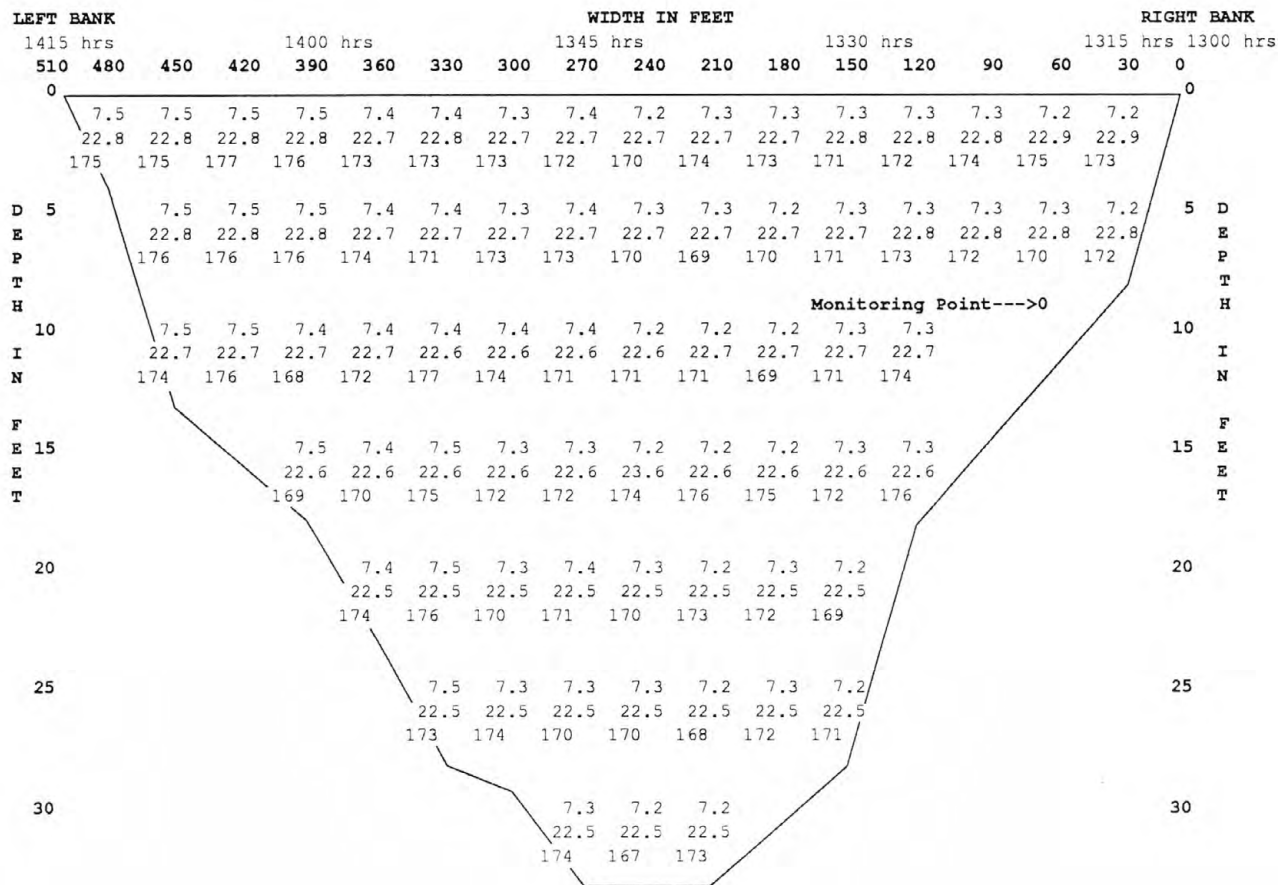
OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

[illegible]

01059010 ANDROSCOGGIN RIVER BELOW DRESSER'S RIP'S NEAR AUBURN, ME--Continued

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

JULY 29, 1993



DAILY MEAN DISCHARGE		CROSS SECTION VALUES			MONITOR HOURLY VALUES				MONITOR DAILY VALUES			
1950 ft ³ /s		Max	Min	Mean	Time	D	WT	SC		Max	Min	Mean
	DO	7.5	7.2	7.3	1300	7.1	22.8	168	DO	7.3	6.8	7.0
	WT	22.8	22.5	22.7	1400	7.1	22.9	168	WT	23.0	22.7	22.8
	SC	177	168	173	1500	7.1	22.9	169	SC	174	164	170

ANDROSCOGGIN RIVER BASIN

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

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

DRAINAGE AREA.--3,434 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1975 to September 1981.

WATER TEMPERATURE: November 1975 to September 1981.

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

REMARKS.--Water-discharge records for Androscoggin River at Auburn (station 01059000) used for computation of mean daily discharge.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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 HG) (00025)	OXYGEN, DIS- SOLVED OF (MG/L) (00300)	OXYGEN, (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)
NOV												
12...	1400	3,620	118	7.1	7.0	5.0	1.9	767	12.2	95	95	K 48
DEC												
02...	1330	5,730	89	7.3	9.0	4.5	2.2	759	12.4	96	K 120	K 54
FEB												
18...	1015	2,890	147	7.1	-3.5	0.0	2.5	765	13.3	90	K 2700	K 22
APR												
08...	1245	11,700	70	6.9	12.0	2.0	5.3	770	14.2	101	570	220
JUN												
09...	1330	6,200	92	7.2	14.5	17.0	2.5	760	8.8	92	K 40	K 16
AUG												
05...	1115	3,170	168	7.4	28.0	24.5	1.5	762	9.8	118	90	K 47
		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												
12...	19	5.7	1.0	14	1.4	17	0.0	14	15	14	<0.10	
DEC												
02...	15	4.7	0.87	11	1.0	13	0.0	11	9.4	11	<0.10	
FEB												
18...	16	4.9	0.84	16	1.2	22	0.0	18	15	18	<0.10	
APR												
08...	14	4.0	0.85	6.7	1.1	10	0.0	8.6	6.5	9.2	<0.10	
JUN												
09...	16	4.8	0.91	12	1.4	14	0.0	11	10	10	<0.10	
AUG												
05...	21	6.5	0.99	24	1.9	22	0.0	18	22	21	<0.10	

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.

01059400 ANDROSCOGGIN RIVER AT BRUNSWICK, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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 TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
NOV										
12...	5.9	79	66	0.01	0.02	0.21	0.20	0.04	0.06	0.08
DEC										
02...	5.9	58	51	<0.01	<0.01	0.12	0.14	0.03	0.03	0.04
FEB										
18...	4.3	83	71	--	0.02	--	0.21	--	0.07	0.09
APR										
08...	4.7	50	39	--	<0.01	--	0.17	--	0.05	0.06
JUN										
09...	5.1	59	51	--	<0.01	--	0.11	--	0.04	0.05
AUG										
05...	1.7	104	89	--	<0.01	--	0.13	--	0.02	0.03

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
NOV										
12...	0.30	0.05	0.04	0.02	0.02	90	8	<3	180	<4
DEC										
02...	0.30	0.04	0.01	0.01	0.02	--	--	--	--	--
FEB										
18...	<0.20	0.03	0.01	--	0.03	90	7	<3	97	<4
APR										
08...	0.40	0.04	0.02	--	<0.01	90	6	4	93	5
JUN										
09...	0.20	0.04	0.01	--	0.01	--	--	--	--	--
AUG										
05...	0.30	0.06	0.04	--	0.03	<10	8	<3	180	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
12...	27	<10	<1	<1	<1	28	<6	3	29	86
DEC										
02...	--	--	--	--	--	--	--	12	186	72
FEB										
18...	27	<10	<1	<1	<1	22	<6	3	23	100
APR										
08...	39	<10	<1	<1	<1	22	<6	13	411	88
JUN										
09...	--	--	--	--	--	--	--	4	67	88
AUG										
05...	4	<10	<1	<1	<1	29	<6	7	60	77

ANDROSCOGGIN RIVER BASIN

Reservoirs in Androscoggin River Basin

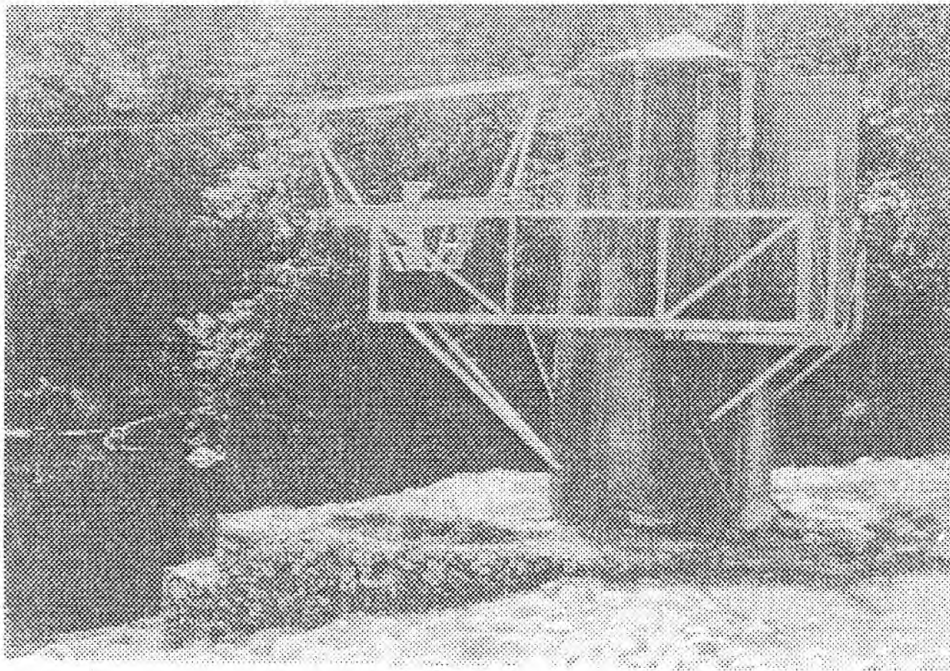
- 01050500 RANGELEY LAKE on Rangeley Stream, at Oquossoc, Maine, used for power, has usable capacity of 1,339,200,000 ft³ in top 4.0 ft of lake (top of flashboards). Records furnished by Union Water Power Co.
- 01051000 MOOSELOOKMEGUNTIC LAKE at Upper Dam, in Richardson Township, Maine, used for power, 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 1992 TO SEPTEMBER 1993

Date	Rangeley Lake	Mooselookmeguntic Lake	Upper and Lower Richardson Lakes	Aziscohos Lake
SEPT. 30, 1992	1,021	4,884	3,880	5,848
OCT. 31. . . .	784	4,402	3,363	4,981
NOV. 30. . . .	1,112	5,373	3,788	5,645
DEC. 31. . . .	1,018	5,091	3,899	4,385
JAN. 31, 1993	744	4,781	3,289	3,746
FEB. 28. . . .	428	3,790	1,898	2,945
MAR. 31. . . .	409	900	1,412	3,152
APR. 30. . . .	1,239	7,152	4,937	8,260
MAY 31.	1,319	8,226	5,633	9,237
JUNE 30. . . .	1,239	7,724	5,162	9,423
JULY 31.	1,085	6,651	4,417	8,290
AUG. 31.	1,007	5,480	3,936	7,318
SEPT. 30. . . .	880	4,746	3,603	6,296

Date	Umbagog Lake	Gulf Island Pond	Lake Auburn	Thompson Lake
SEPT. 30, 1992	2,110	2,389	408	1,710
OCT. 31. . . .	2,110	2,428	375	1,600
NOV. 30. . . .	2,378	2,451	408	1,584
DEC. 31. . . .	2,749	2,340	386	1,600
JAN. 31, 1993	2,749	2,415	397	1,584
FEB. 28. . . .	2,339	2,448	430	1,584
MAR. 31. . . .	1,920	2,472	496	1,679
APR. 30. . . .	2,632	2,453	592	1,947
MAY 31.	2,768	2,374	556	1,970
JUNE 30. . . .	2,768	2,362	532	1,852
JULY 31.	2,885	2,372	452	1,837
AUG. 31.	2,456	2,453	397	1,822
SEPT. 30. . . .	2,243	2,431	342	1,727

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.



Nezinscot River at Turner Center,
August 1991

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. 12-21, Dec. 24 to Jan. 22, and Jan. 26 to Mar. 27. Records good except for periods of ice effect, Dec. 12-21, Dec. 24 to Jan. 22, and Jan. 26 to Mar. 27, 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. Telephone and satellite gage-height telemeters 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, 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)
Mar. 31	1915	2,730	4.41	Apr. 13	0200	*4,910	*5.86
Minimum daily discharge, 26 ft ³ /s, Aug. 31, Sept. 1.							

**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	47	68	192	e85	e75	e66	2340	358	136	41	53	26
2	42	62	166	e71	e73	e65	1210	318	285	38	47	29
3	40	91	150	e56	e71	e64	795	284	180	38	49	34
4	38	223	135	e54	e70	e63	597	251	129	40	47	43
5	37	188	124	e130	e69	e63	561	235	108	40	47	47
6	36	230	95	e212	e69	e62	707	223	114	39	44	44
7	35	233	107	e150	e68	e62	963	215	185	38	41	40
8	35	152	82	e115	e68	e64	1170	210	149	37	37	37
9	36	116	75	e91	e68	e69	1340	188	113	40	35	35
10	41	91	66	e71	e67	e72	1550	165	110	40	33	35
11	55	91	63	e60	e67	e75	3330	154	110	37	32	36
12	62	106	e61	e54	e66	e77	4290	164	103	35	32	35
13	68	260	e60	e53	e65	e78	4460	161	93	36	32	34
14	68	392	e59	e52	e66	e79	2720	147	85	35	32	33
15	59	241	e58	e51	e67	e79	1560	133	78	35	31	32
16	54	166	e58	e50	e69	e79	1130	126	72	36	31	29
17	54	130	e78	e50	e70	e78	1230	123	66	37	30	27
18	54	112	e254	e49	e72	e105	1590	113	61	37	30	27
19	53	104	e208	e49	e73	e121	1140	109	59	35	31	28
20	50	88	e199	e47	e74	e118	898	110	57	35	32	28
21	50	88	e187	e47	e74	e115	697	110	56	40	44	27
22	49	94	141	e103	e75	e112	661	107	62	44	42	27
23	48	238	116	423	e74	e105	1300	100	63	41	40	28
24	51	537	e94	431	e72	e109	1190	92	58	39	36	28
25	127	501	e78	554	e70	e112	764	90	53	35	35	27
26	191	410	e68	e396	e69	e142	545	92	55	33	35	32
27	145	617	e60	e244	e68	e239	758	89	49	34	33	48
28	108	460	e51	e174	e67	443	728	92	46	38	31	152
29	86	308	e52	e121	---	800	510	85	45	41	29	102
30	79	236	e73	e99	---	2020	412	79	43	47	28	62
31	73	---	e91	e80	---	2580	---	76	---	57	26	---
TOTAL	1971	6633	3301	4222	1956	8316	41146	4799	2823	1198	1125	1212
MEAN	63.6	221	106	136	69.9	268	1372	155	94.1	38.6	36.3	40.4
MAX	191	617	254	554	75	2580	4460	358	285	57	53	152
MIN	35	62	51	47	65	62	412	76	43	33	26	26
CFSM	.45	1.57	.76	.97	.50	1.90	9.73	1.10	.67	.27	.26	.29
IN.	.52	1.75	.87	1.11	.52	2.19	10.86	1.27	.74	.32	.30	.32

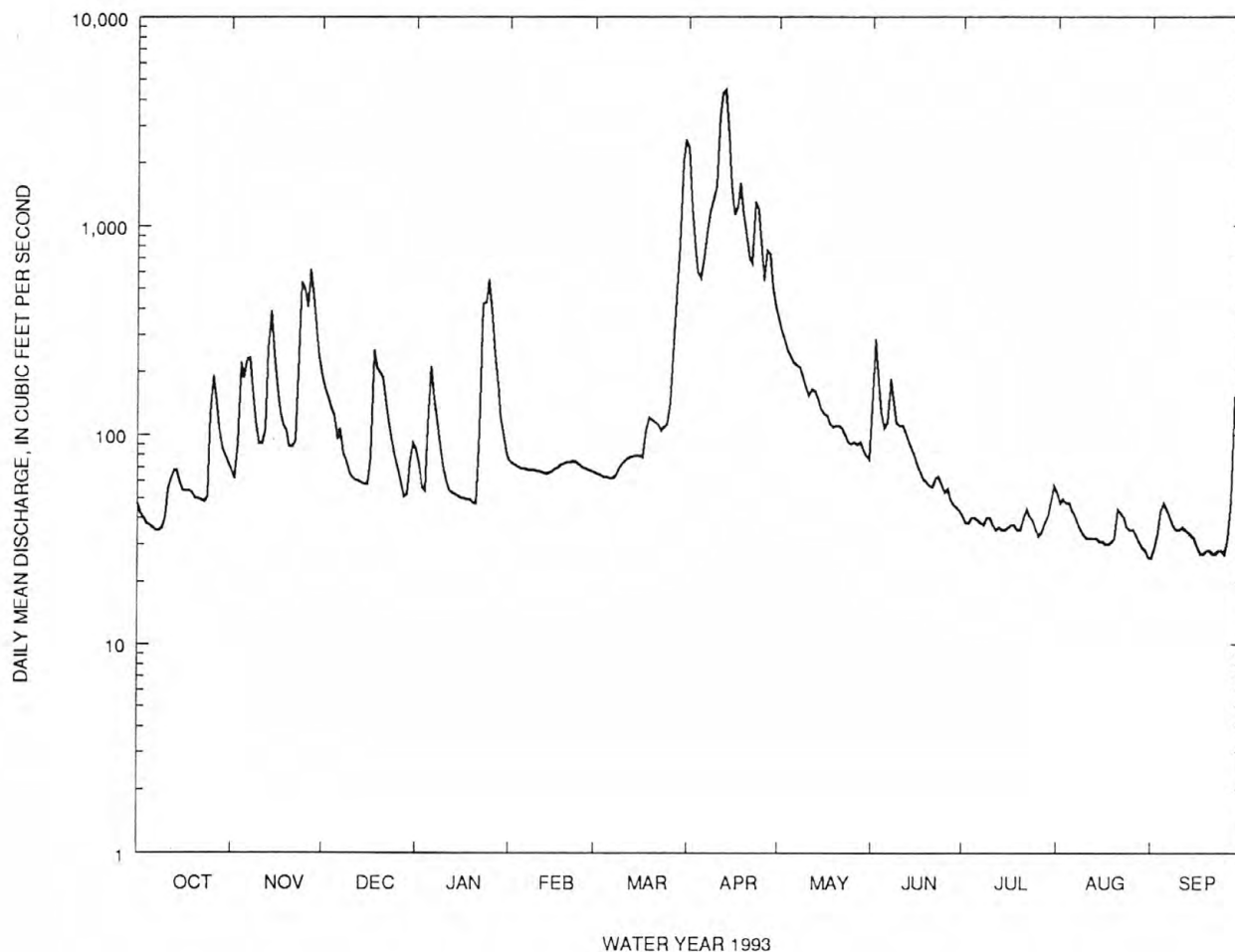
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01060000 ROYAL RIVER AT YARMOUTH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	134	322	304	223	234	546	769	326	183	86.5	80.1	82.6
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1950 - 1993	
ANNUAL TOTAL	79889		78702			
ANNUAL MEAN	218		216		274	
HIGHEST ANNUAL MEAN					480	
LOWEST ANNUAL MEAN					132	
HIGHEST DAILY MEAN	2530		4460		9980	
LOWEST DAILY MEAN	35		26		5.7	
ANNUAL SEVEN-DAY MINIMUM	36		27		17	
INSTANTANEOUS PEAK FLOW			4910		11500	
INSTANTANEOUS PEAK STAGE			5.86		8.46	
ANNUAL RUNOFF (CFSM)	1.55		1.53		1.94	
ANNUAL RUNOFF (INCHES)	21.08		20.76		26.38	
10 PERCENT EXCEEDS	496		476		637	
50 PERCENT EXCEEDS	108		71		120	
90 PERCENT EXCEEDS	45		35		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 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 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

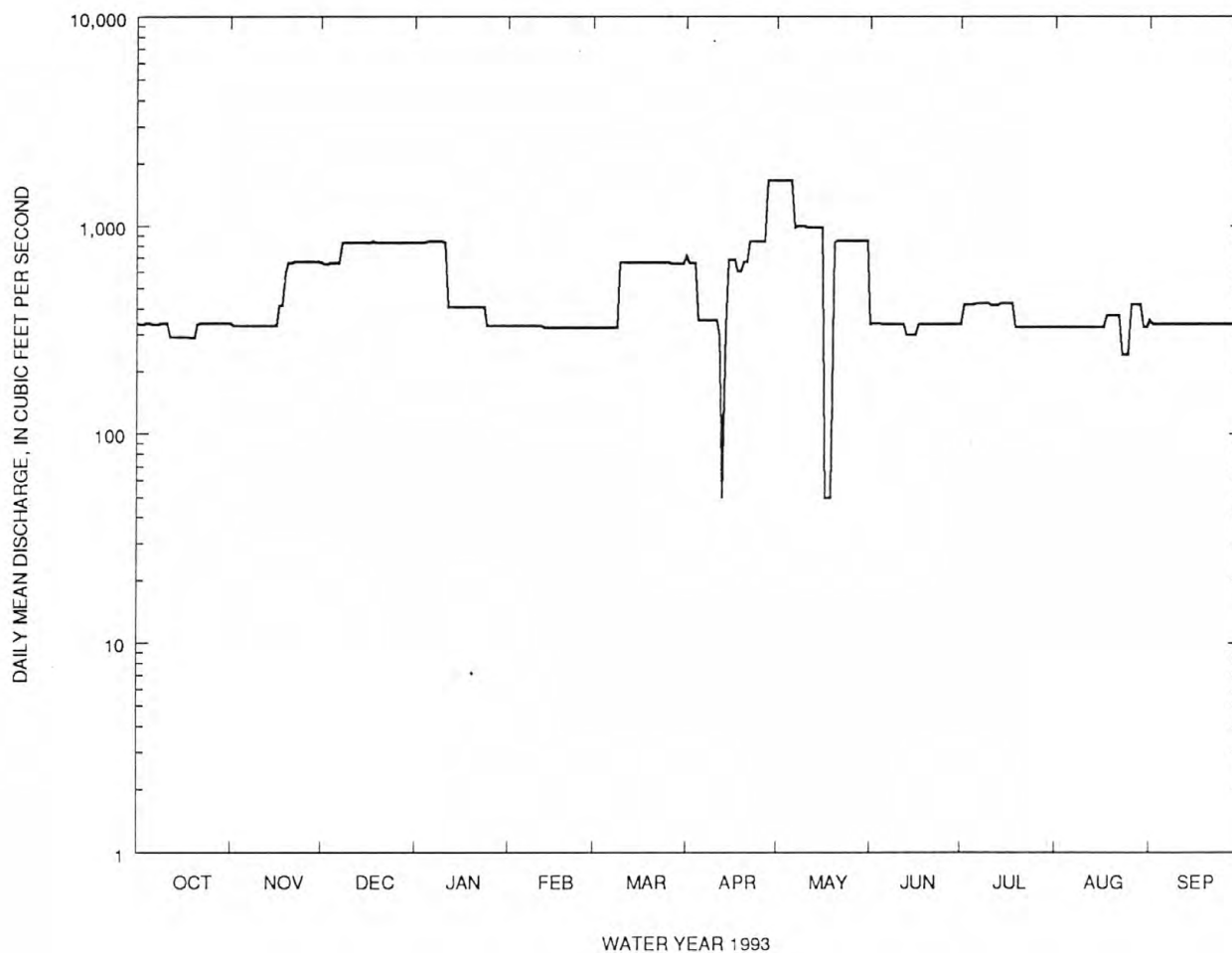
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	340	667	831	330	325	718	1650	338	338	327	352
2	336	332	654	831	330	325	662	1650	340	422	327	338
3	336	332	654	831	330	325	662	1650	340	422	327	338
4	340	332	666	831	330	325	662	1650	340	422	327	338
5	340	332	666	844	330	325	352	1650	338	422	327	338
6	336	332	666	844	330	325	352	1650	338	425	327	338
7	336	332	666	844	330	325	352	985	338	425	327	338
8	336	332	831	844	330	325	352	998	338	425	327	338
9	340	332	831	844	330	325	352	998	338	425	327	338
10	340	332	831	844	330	668	352	998	338	425	327	338
11	340	332	831	831	330	668	352	985	338	418	327	338
12	293	332	831	408	330	668	299	985	338	418	327	338
13	293	332	831	408	325	668	50	985	301	418	327	338
14	293	332	831	408	325	668	325	985	301	425	327	338
15	293	332	831	408	325	668	685	985	301	425	327	338
16	293	332	831	408	325	668	685	985	301	425	327	338
17	293	415	831	408	325	668	685	50	338	425	327	338
18	293	415	844	408	325	668	604	50	338	425	373	338
19	289	596	831	408	325	668	604	50	338	327	373	338
20	289	662	831	408	325	668	671	835	338	327	373	338
21	336	662	831	408	325	668	671	850	338	327	373	338
22	340	671	831	408	325	668	841	850	338	327	373	338
23	340	671	831	408	325	668	841	850	338	327	242	338
24	340	671	831	408	325	668	841	850	338	327	242	338
25	340	671	831	330	325	668	841	850	338	327	242	338
26	340	671	831	330	325	668	841	850	338	327	422	338
27	340	671	831	330	325	658	841	850	338	327	422	338
28	340	671	831	330	325	658	1650	850	338	327	422	338
29	340	671	831	330	---	658	1650	850	338	327	422	338
30	340	671	831	330	---	658	1650	850	338	327	327	338
31	340	---	831	330	---	658	---	850	---	327	327	---
TOTAL	10085	14109	24596	16833	9160	17571	20443	30124	9998	11781	10492	10154
MEAN	325	470	793	543	327	567	681	972	333	380	338	338
MAX	340	671	844	844	330	668	1650	1650	340	425	422	352
MIN	289	332	654	330	325	325	50	50	301	327	242	338

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1993, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	584	581	595	624	655	615	760	779	713	574	605	587
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1902 - 1993	
ANNUAL TOTAL	176662		185346			
ANNUAL MEAN	483		508		639	
HIGHEST ANNUAL MEAN					1091	
LOWEST ANNUAL MEAN					298	
HIGHEST DAILY MEAN	844		1650		7000	
LOWEST DAILY MEAN	50		50		.00	
ANNUAL SEVEN-DAY MINIMUM	50		292		.00	
					Apr 7 1902	
					Jan 31 1904	
					Jun 30 1957	
10 PERCENT EXCEEDS	671		844		840	
50 PERCENT EXCEEDS	502		340		643	
90 PERCENT EXCEEDS	293		325		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.

REMARKS.--Estimated daily discharges: Oct. 1-22, Nov. 5, 7-8, 15-16, 21, Nov. 28 to Mar. 25, May 7, and May 17 to Sept 30. Records poor. 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, 5,080 ft³/s, Apr. 11, gage height, 16.10; minimum daily, 155 ft³/s, May 19.

**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	e385	471	e852	e913	e402	e389	2190	1980	e469	e378	e378	e377
2	e377	430	e814	e899	e400	e388	1470	1950	e615	e459	e372	e366
3	e375	455	e799	e885	e398	e387	1260	1910	e514	e459	e374	e371
4	e377	650	e796	e883	e398	e386	1110	1890	e464	e461	e372	e379
5	e376	e513	e786	e965	e397	e386	717	1900	e442	e461	e372	e383
6	e371	590	e758	e1050	e397	e385	1470	1870	e448	e463	e369	e380
7	e370	e557	e769	e989	e396	e385	1620	e1800	e516	e462	e367	e377
8	e370	e479	e910	e955	e396	e387	1690	1300	e482	e461	e363	e374
9	e375	459	e903	e932	e396	e392	1740	1250	e447	e464	e361	e372
10	e380	406	e895	e912	e395	e737	1970	1260	e444	e464	e359	e372
11	e393	510	e892	e889	e395	e740	4710	1280	e444	e454	e358	e373
12	e353	535	e890	e460	e394	e742	4250	1290	e437	e452	e358	e372
13	e359	582	e889	e459	e388	e743	3740	1210	e391	e453	e358	e371
14	e359	670	e888	e458	e389	e744	2040	1190	e383	e459	e358	e370
15	e350	e564	e887	e457	e390	e744	1730	1190	e376	e459	e357	e369
16	e345	e492	e887	e456	e392	e744	1540	1210	e370	e460	e357	e366
17	e345	490	e906	e456	e393	e743	1920	e169	e402	e461	e356	e364
18	e345	506	e1090	e455	e394	e766	2250	e159	e397	e461	e402	e364
19	e340	509	e1030	e454	e395	e785	1610	e155	e395	e361	e403	e365
20	e337	686	e1020	e453	e396	e782	1410	e941	e393	e361	e404	e365
21	e384	e747	e1010	e453	e396	e779	1310	e956	e392	e366	e415	e364
22	e387	777	e967	e500	e397	e776	1540	e953	e504	e369	e414	e364
23	414	1110	e943	e816	e396	e769	1960	e946	e500	e367	e281	e365
24	475	1320	e922	e824	e394	e773	1810	e939	e394	e365	e277	e365
25	559	1130	e906	e864	e393	e776	1590	e937	e389	e361	e276	e364
26	626	1210	e897	e712	e392	784	1460	e939	e391	e359	e456	e369
27	547	1380	e889	e565	e391	994	1850	e936	e385	e360	e454	e384
28	532	e1110	e880	e493	e390	1360	1850	e939	e382	e364	e452	e485
29	527	e968	e881	e447	---	1830	2070	e932	e381	e367	e450	e436
30	526	e899	e901	e425	---	3790	1990	e926	e379	e372	e354	e398
31	493	---	e919	e407	---	3040	---	e923	---	e382	e352	---
TOTAL	12752	21205	27776	20886	11050	27426	57867	36230	12926	12945	11579	11324
MEAN	411	707	896	674	395	885	1929	1169	431	418	374	377
MAX	626	1380	1090	1050	402	3790	4710	1980	615	464	456	485
MIN	337	406	758	407	388	385	717	155	370	359	276	364

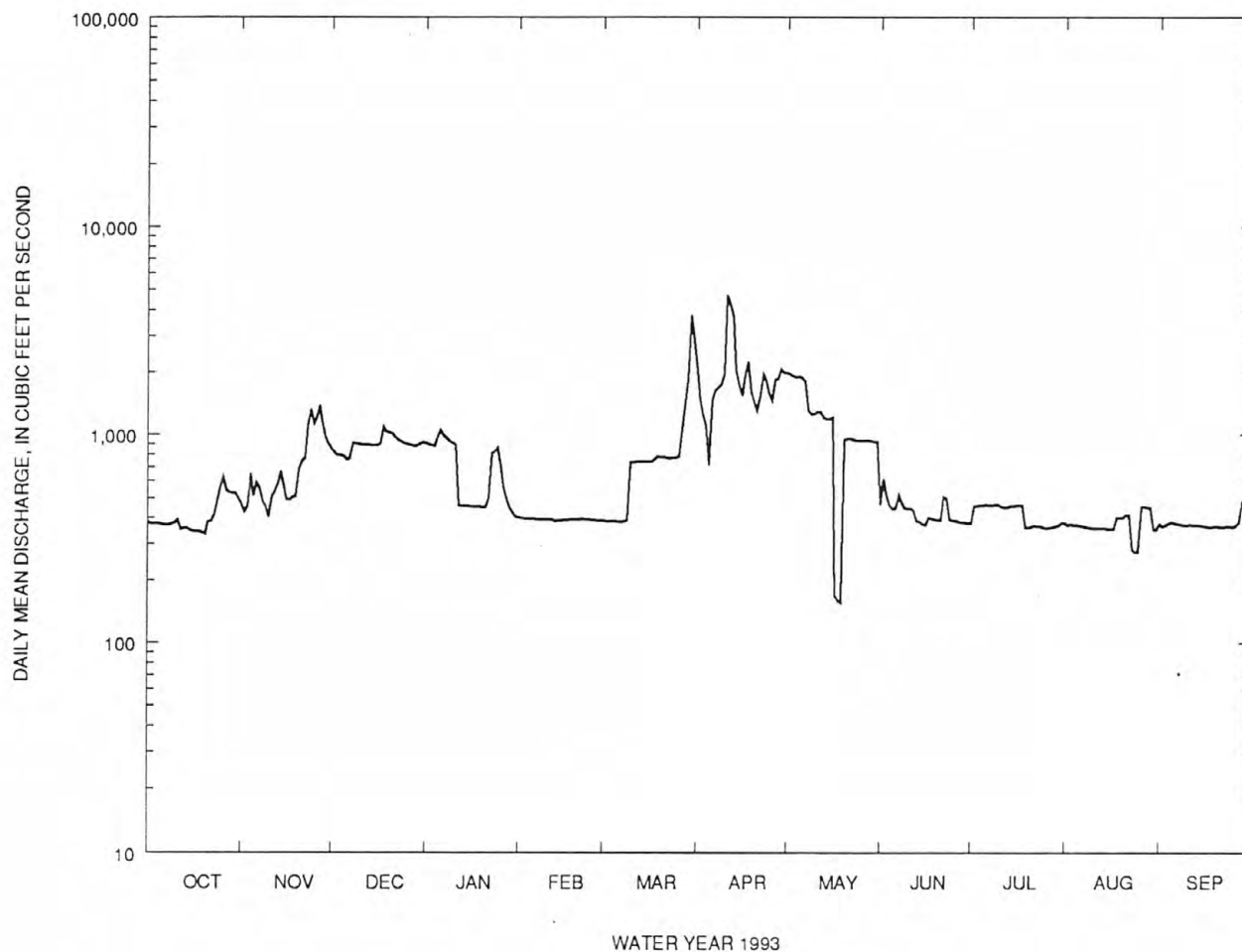
e Estimated

01064118 PRESUMPCOT RIVER AT WESTBROOK, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	681	910	976	905	1014	1352	1495	1239	935	586	647	591
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1976 - 1993	
ANNUAL TOTAL	257154		263966			
ANNUAL MEAN	703		723		944	
HIGHEST ANNUAL MEAN					1740	
LOWEST ANNUAL MEAN					404	
HIGHEST DAILY MEAN	2210		4710		9760	
LOWEST DAILY MEAN	168		155		39	
ANNUAL SEVEN-DAY MINIMUM	282		346		125	
INSTANTANEOUS PEAK FLOW			5080		12500	
INSTANTANEOUS PEAK STAGE			16.10		25.48	
10 PERCENT EXCEEDS	1050		1390		1660	
50 PERCENT EXCEEDS	649		460		764	
90 PERCENT EXCEEDS	376		364		382	



PRESUMPCOT RIVER BASIN

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.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1976 to October 1984. Seasonal records November 1984 to current year.

pH: July 1976 to October 1984. Seasonal records November 1984 to current year.

WATER TEMPERATURE: July 1976 to October 1984. Seasonal records November 1984 to current year.

DISSOLVED OXYGEN: July 1976 to October 1984. Seasonal records November 1984 to current year.

DISCHARGE: October 1975 to September 1984.

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

INSTRUMENTATION.--Water-quality monitor since July 1976. Continuous flow through system. Suction lift pump located in shelter house. Pump intake located 30 ft streamward from right bank.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 375 μ S/cm, Jan. 8, 1979; minimum, 21 μ S/cm, July 28, 1982.

pH: Maximum, 9.4 units, Dec. 7, 1977; minimum, 5.3 units, May 22, 1978.

WATER TEMPERATURE: Maximum, 29.0°C, July 21, 1977, Aug. 8, 9, 1980, Aug. 6, 7, 11, 1988; minimum, 0.0°C, on many days during winter periods 1977 to 1984.

DISSOLVED OXYGEN: Maximum, 15.0 mg/L, Jan. 30, 1983; minimum, 4.4 mg/L, Aug. 8, 1980.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: minimum, 1.6 mg/L, July 9, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

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)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31673)
NOV											
11...	0920	529	137	7.4	5.0	6.0	2.7	767	12.4	99	62
DEC											
02...	0915	E 844	98	7.3	6.0	6.0	1.9	759	12.0	97	K 22
FEB											
05...	0910	E 411	172	7.7	3.0	2.0	4.5	759	13.9	101	K 690
APR											
19...	1045	1,670	89	7.3	18.0	5.0	3.5	760	12.9	102	580
JUN											
17...	1215	E 417	179	7.6	23.0	22.0	1.5	768	7.9	90	92
AUG											
03...	1000	E 388	163	7.4	29.0	24.5	0.70	762	7.4	89	K 1000

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											
11...	18	5.6	0.98	19	1.7	33	0.0	27	11	16	<0.10
DEC											
02...	16	5.0	0.90	13	1.0	19	0.0	15	7.8	12	<0.10
FEB											
05...	20	6.2	1.0	24	1.6	35	0.0	28	13	20	<0.10
APR											
19...	16	4.8	0.97	11	1.1	15	0.0	13	6.8	13	<0.10
JUN											
17...	22	7.1	0.96	25	1.8	33	0.0	27	15	24	0.10
AUG											
03...	19	6.0	0.88	23	1.9	32	0.0	26	14	22	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 1992 TO SEPTEMBER 1993

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 TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
NOV										
11...	3.7	92	75	0.02	0.03	0.15	0.14	0.10	0.09	0.12
DEC										
02...	3.3	69	52	<0.01	<0.01	0.13	0.15	0.04	0.05	0.06
FEB										
05...	3.5	95	87	--	0.02	--	0.25	--	0.17	0.22
APR										
19...	4.2	57	50	--	<0.01	--	0.14	--	0.08	0.10
JUN										
17...	2.6	104	93	--	0.01	--	0.13	--	0.14	0.18
AUG										
03...	2.5	93	86	--	<0.01	--	0.11	--	0.12	0.15

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
NOV										
11...	0.40	0.04	0.04	0.02	0.03	40	6	<3	68	13
DEC										
02...	0.20	0.03	<0.01	<0.01	0.02	--	--	--	--	--
FEB										
05...	0.40	0.05	0.05	--	0.03	30	7	<3	30	<4
APR										
19...	0.40	0.04	0.01	--	<0.01	110	15	<3	100	6
JUN										
17...	0.40	0.05	0.05	--	0.03	--	--	--	--	--
AUG										
03...	0.40	0.05	0.04	--	0.03	<10	7	<3	64	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
11...	14	<10	<1	<1	<1	32	<6	4	5.7	94
DEC										
02...	--	--	--	--	--	--	--	28	64	66
FEB										
05...	23	<10	<1	<1	<1	34	<6	5	5.5	69
APR										
19...	23	<10	<1	<1	<1	25	<6	11	50	86
JUN										
17...	--	--	--	--	--	--	--	7	7.9	74
AUG										
03...	38	<10	<1	<1	<1	32	<6	62	65	79

01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME--Continued

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	136	88	97	---	---	---	---	---	---	---	---	---
2	142	88	118	---	---	---	---	---	---	---	---	---
3	187	142	160	---	---	---	---	---	---	---	---	---
4	179	146	158	---	---	---	---	---	---	---	---	---
5	159	132	143	---	---	---	---	---	---	---	---	---
6	157	137	150	---	---	---	---	---	---	---	---	---
7	165	146	160	---	---	---	---	---	---	---	---	---
8	170	155	164	---	---	---	---	---	---	---	---	---
9	172	163	168	---	---	---	---	---	---	---	---	---
10	181	154	170	---	---	---	---	---	---	---	---	---
11	157	145	151	---	---	---	---	---	---	---	---	---
12	161	144	150	---	---	---	---	---	---	---	---	---
13	155	137	144	---	---	---	---	---	---	---	---	---
14	162	147	157	---	---	---	---	---	---	---	---	---
15	174	162	168	---	---	---	---	---	---	---	---	---
16	176	156	166	---	---	---	---	---	---	---	---	---
17	166	156	162	---	---	---	---	---	---	---	---	---
18	173	127	157	---	---	---	---	---	---	---	---	---
19	171	113	143	---	---	---	---	---	---	---	---	---
20	190	169	177	---	---	---	---	---	---	---	---	---
21	172	143	154	---	---	---	---	---	---	---	---	---
22	162	144	155	---	---	---	---	---	---	---	---	---
23	163	154	159	---	---	---	---	---	---	---	---	---
24	159	141	148	---	---	---	---	---	---	---	---	---
25	148	111	130	---	---	---	---	---	---	---	---	---
26	116	109	112	---	---	---	---	---	---	---	---	---
27	125	111	118	---	---	---	---	---	---	---	---	---
28	132	125	130	---	---	---	---	---	---	---	---	---
29	129	107	115	---	---	---	---	---	---	---	---	---
30	128	117	122	---	---	---	---	---	---	---	---	---
31	130	121	125	---	---	---	---	---	---	---	---	---
MONTH	190	88	146	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	74	70	72
2	---	---	---	---	---	---	---	---	---	74	69	72
3	---	---	---	---	---	---	---	---	---	74	69	71
4	---	---	---	---	---	---	---	---	---	73	60	66
5	---	---	---	---	---	---	---	---	---	70	60	68
6	---	---	---	---	---	---	---	---	---	75	60	71
7	---	---	---	---	---	---	---	---	---	80	71	74
8	---	---	---	---	---	---	---	---	---	91	80	85
9	---	---	---	---	---	---	---	---	---	92	83	88
10	---	---	---	---	---	---	---	---	---	95	88	91
11	---	---	---	---	---	---	---	---	---	97	88	94
12	---	---	---	---	---	---	---	---	---	92	85	89
13	---	---	---	---	---	---	---	---	---	94	86	90
14	---	---	---	---	---	---	---	---	---	95	87	92
15	---	---	---	---	---	---	---	---	---	99	89	93
16	---	---	---	---	---	---	---	---	---	91	67	79
17	---	---	---	---	---	---	---	---	---	75	64	69
18	---	---	---	---	---	---	---	---	---	92	71	78
19	---	---	---	---	---	---	---	---	---	170	92	123
20	---	---	---	---	---	---	---	---	---	149	66	84
21	---	---	---	---	---	---	---	---	---	74	57	63
22	---	---	---	---	---	---	---	---	---	70	61	67
23	---	---	---	---	---	---	---	---	---	69	63	65
24	---	---	---	---	---	---	---	---	---	71	64	68
25	---	---	---	---	---	---	---	---	---	72	64	67
26	---	---	---	---	---	---	---	---	---	79	62	69
27	---	---	---	---	---	---	---	---	---	88	77	84
28	---	---	---	---	---	---	---	---	---	93	84	89
29	---	---	---	---	---	---	---	---	---	94	85	90
30	---	---	---	---	---	---	---	---	---	98	90	95
31	---	---	---	---	---	---	---	---	---	100	93	96
MONTH	---	---	---	---	---	---	---	---	---	170	57	81

SPECIFIC CONDUCTANCE, (US/CM @ 25 DEGREES CELSIUS), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993[illegible]

01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.5	15.0	15.5	---	---	---	---	---	---	---	---	---
2	15.0	14.5	14.5	---	---	---	---	---	---	---	---	---
3	16.0	14.5	15.5	---	---	---	---	---	---	---	---	---
4	15.5	15.0	15.0	---	---	---	---	---	---	---	---	---
5	15.0	14.5	15.0	---	---	---	---	---	---	---	---	---
6	14.5	14.0	14.0	---	---	---	---	---	---	---	---	---
7	14.0	13.5	14.0	---	---	---	---	---	---	---	---	---
8	14.0	13.5	14.0	---	---	---	---	---	---	---	---	---
9	14.5	13.5	14.0	---	---	---	---	---	---	---	---	---
10	15.0	14.5	14.5	---	---	---	---	---	---	---	---	---
11	15.0	14.5	15.0	---	---	---	---	---	---	---	---	---
12	15.0	15.0	15.0	---	---	---	---	---	---	---	---	---
13	15.0	14.5	15.0	---	---	---	---	---	---	---	---	---
14	14.5	14.5	14.5	---	---	---	---	---	---	---	---	---
15	14.5	14.0	14.0	---	---	---	---	---	---	---	---	---
16	14.0	14.0	14.0	---	---	---	---	---	---	---	---	---
17	14.0	13.5	14.0	---	---	---	---	---	---	---	---	---
18	13.5	12.5	13.0	---	---	---	---	---	---	---	---	---
19	12.5	12.5	12.5	---	---	---	---	---	---	---	---	---
20	12.5	12.0	12.0	---	---	---	---	---	---	---	---	---
21	12.0	12.0	12.0	---	---	---	---	---	---	---	---	---
22	12.0	11.0	11.5	---	---	---	---	---	---	---	---	---
23	11.5	11.0	11.0	---	---	---	---	---	---	---	---	---
24	11.5	11.0	11.0	---	---	---	---	---	---	---	---	---
25	11.0	10.5	11.0	---	---	---	---	---	---	---	---	---
26	10.5	10.0	10.5	---	---	---	---	---	---	---	---	---
27	10.0	9.5	9.5	---	---	---	---	---	---	---	---	---
28	9.5	9.0	9.0	---	---	---	---	---	---	---	---	---
29	9.0	9.0	9.0	---	---	---	---	---	---	---	---	---
30	9.5	9.0	9.5	---	---	---	---	---	---	---	---	---
31	9.5	9.5	9.5	---	---	---	---	---	---	---	---	---
MONTH	16.5	9.0	13.0	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	9.0	8.5	8.5
2	---	---	---	---	---	---	---	---	---	10.0	9.0	9.5
3	---	---	---	---	---	---	---	---	---	10.0	9.5	10.0
4	---	---	---	---	---	---	---	---	---	10.0	9.5	10.0
5	---	---	---	---	---	---	---	---	---	11.0	10.0	10.5
6	---	---	---	---	---	---	---	---	---	11.0	10.5	11.0
7	---	---	---	---	---	---	---	---	---	11.5	11.0	11.5
8	---	---	---	---	---	---	---	---	---	12.5	11.0	11.5
9	---	---	---	---	---	---	---	---	---	13.5	11.5	12.5
10	---	---	---	---	---	---	---	---	---	12.5	12.0	12.5
11	---	---	---	---	---	---	---	---	---	12.0	11.0	11.5
12	---	---	---	---	---	---	---	---	---	12.5	11.5	12.0
13	---	---	---	---	---	---	---	---	---	12.0	11.0	11.5
14	---	---	---	---	---	---	---	---	---	13.0	11.5	12.0
15	---	---	---	---	---	---	---	---	---	13.5	12.0	12.5
16	---	---	---	---	---	---	---	---	---	13.5	11.5	12.5
17	---	---	---	---	---	---	---	---	---	14.0	12.5	13.5
18	---	---	---	---	---	---	---	---	---	14.5	13.5	14.0
19	---	---	---	---	---	---	---	---	---	14.0	13.5	13.5
20	---	---	---	---	---	---	---	---	---	13.5	13.0	13.5
21	---	---	---	---	---	---	---	---	---	13.5	12.5	13.0
22	---	---	---	---	---	---	---	---	---	14.0	12.5	13.5
23	---	---	---	---	---	---	---	---	---	14.5	13.0	14.0
24	---	---	---	---	---	---	---	---	---	14.5	13.5	14.0
25	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
26	---	---	---	---	---	---	---	---	---	16.0	14.5	15.5
27	---	---	---	---	---	---	---	---	---	16.5	14.5	15.5
28	---	---	---	---	---	---	---	---	---	16.0	15.5	16.0
29	---	---	---	---	---	---	---	---	---	16.0	15.5	16.0
30	---	---	---	---	---	---	---	---	---	16.5	15.0	16.0
31	---	---	---	---	---	---	---	---	---	16.5	15.5	16.0
MONTH	---	---	---	---	---	---	---	---	---	16.5	8.5	13.0

01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	16.0	15.5	15.5	25.0	24.0	24.5	24.5	23.5	24.0	25.0	24.0	24.5
2	16.0	15.0	15.5	24.5	24.0	24.0	25.0	24.5	24.5	25.0	23.5	24.0
3	16.0	15.0	15.5	24.0	23.5	24.0	25.5	24.5	25.0	24.0	23.5	24.0
4	16.5	16.0	16.5	24.0	23.5	24.0	25.5	25.0	25.5	24.5	24.0	24.0
5	17.0	16.5	16.5	24.5	24.0	24.0	25.5	25.0	25.0	24.0	23.5	24.0
6	17.0	16.0	16.5	25.5	24.5	25.0	25.5	25.0	25.0	24.0	23.5	23.5
7	17.0	15.5	16.0	26.5	25.5	26.0	---	---	---	23.5	23.0	23.0
8	17.5	15.5	16.5	27.0	26.5	26.5	---	---	---	23.0	22.5	22.5
9	17.5	17.5	17.5	27.5	26.5	27.0	---	---	---	22.5	22.0	22.5
10	19.5	17.5	18.5	28.0	27.5	27.5	---	---	---	22.5	22.0	22.5
11	19.5	18.5	19.0	28.0	27.5	27.5	24.5	24.0	24.5	22.5	21.5	22.0
12	20.0	18.5	19.0	27.5	27.0	27.5	24.5	24.0	24.0	21.5	20.5	21.0
13	20.5	19.5	20.0	27.5	27.0	27.0	24.0	23.5	23.5	20.5	20.0	20.5
14	22.0	20.5	21.0	27.5	27.0	27.0	24.0	23.5	23.5	21.5	20.5	21.0
15	23.0	21.5	22.0	27.5	27.0	27.0	24.5	23.5	24.0	22.5	21.5	22.0
16	23.0	22.0	22.5	27.0	26.0	26.5	25.5	24.0	24.5	22.5	22.0	22.0
17	23.0	22.0	22.5	26.0	25.5	25.5	25.0	24.5	24.5	22.0	21.0	21.0
18	23.0	22.0	22.5	25.5	25.0	25.0	24.5	24.0	24.5	21.0	20.5	20.5
19	23.0	22.5	22.5	25.5	25.0	25.0	24.5	24.0	24.0	20.5	19.5	20.0
20	23.0	22.5	23.0	25.0	24.5	25.0	24.0	23.0	23.5	19.5	18.0	18.5
21	23.0	22.0	22.5	25.0	24.0	24.5	24.0	23.5	24.0	18.5	17.5	18.0
22	22.5	22.0	22.5	24.5	23.5	24.0	23.5	23.0	23.5	17.5	17.0	17.5
23	22.5	21.5	22.0	24.0	23.0	23.5	23.5	23.0	23.0	17.5	17.0	17.0
24	22.0	21.5	21.5	24.0	23.0	23.5	23.5	22.5	23.0	17.5	17.0	17.0
25	22.0	21.5	22.0	24.0	23.5	24.0	24.0	23.5	23.5	17.0	16.5	17.0
26	23.5	22.0	22.5	24.5	23.5	24.0	25.0	24.0	24.5	17.0	16.5	16.5
27	24.0	23.5	23.5	24.5	23.0	23.5	25.5	24.5	25.0	17.0	16.0	16.5
28	25.0	23.5	24.0	24.0	22.5	23.5	26.0	25.0	25.5	17.0	16.5	16.5
29	25.0	24.0	24.5	23.5	23.0	23.0	26.0	25.5	25.5	16.5	16.0	16.0
30	25.0	24.0	24.5	23.5	22.5	23.0	25.5	24.5	25.0	16.5	15.5	15.5
31	---	---	---	24.0	23.5	23.5	25.5	24.5	25.0	---	---	---
MONTH	25.0	15.0	20.5	28.0	22.5	25.0	26.0	22.5	24.5	25.0	15.5	20.5
PERIOD	28.0	8.5	19.0									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

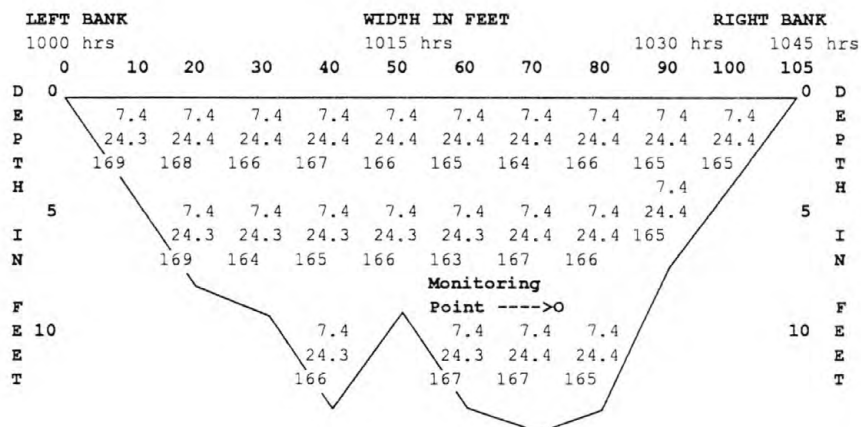
[illegible]

PRESUMPCOT RIVER BASIN

01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME--Continued

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

AUGUST 3, 1993



DAILY MEAN DISCHARGE

CROSS SECTION VALUES

MONITOR HOURLY VALUES

MONITOR DAILY VALUES

388 ft³/s

	Max	Min	Mean
DO	7.4	7.4	7.4
WT	24.4	24.3	24.4
SC	169	163	166

Time	DO	WT	SC
1000	7.3	24.8	172
1100	7.3	24.9	157
1200	7.3	25.0	148

	Max	Min	Mean
DO	7.5	7.2	7.4
WT	25.6	24.5	25.2
SC	173	139	156



Streamflow measurement,
Penobscot River at Eddington,
October 12, 1988

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. 6-16, Dec. 21 to Mar. 30 and Aug. 21 to Sept. 2. Records good except for periods of ice effect, Dec. 6-16, and Dec. 21 to Mar. 30, and period of no gage-height record Aug. 21 to Sept. 2, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 11	1000	11,300	8.69	Apr. 17	1900	*20,600	*11.15

Minimum discharge, 147 ft³/s, July 20, 27, gage height, 2.14 ft.

**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	317	397	1090	e437	e295	e248	2950	1890	833	244	511	e185
2	310	380	993	e328	e290	e255	1920	1970	1340	231	380	e237
3	308	425	917	e280	e287	e266	1440	1720	826	225	346	210
4	297	589	849	e310	e285	e267	1170	1520	674	235	294	211
5	284	712	788	e680	e282	e261	1040	1540	570	225	258	204
6	274	738	e715	e1190	e280	e300	1110	1790	712	211	241	191
7	273	638	e650	e735	e278	e290	1240	1600	1020	202	218	192
8	268	537	e600	e605	e275	e280	1450	1270	766	193	204	220
9	266	468	e528	e460	e273	e282	1770	1130	642	192	197	211
10	735	444	e496	e355	e272	e283	2600	1080	714	189	210	213
11	750	467	490	e328	e272	e282	9520	986	697	177	202	216
12	536	498	e485	e322	e272	e274	8380	980	620	169	187	216
13	518	4080	e480	e320	e285	e263	7460	1320	547	175	182	201
14	462	2640	e475	e312	e290	e261	4930	1120	509	171	177	184
15	418	1540	e470	e311	e287	e266	3950	885	480	162	197	172
16	422	1190	e475	e306	e275	e269	3070	877	485	154	188	162
17	461	992	518	e295	e268	e274	12200	830	479	152	187	164
18	455	894	837	e288	e263	e275	8460	738	405	158	233	187
19	429	808	628	e275	e260	e285	4280	690	390	152	329	199
20	426	702	573	e270	e255	e291	4200	674	442	151	285	190
21	409	718	e490	e265	e253	e302	4090	642	395	155	e306	173
22	412	755	e422	e280	e251	e312	4520	601	380	160	e285	165
23	397	1210	e355	e310	e249	e320	5400	587	497	156	e230	164
24	394	1800	e310	e380	e248	e325	3660	549	446	164	e210	189
25	586	1320	e275	e500	e247	e340	2730	610	357	172	e530	225
26	640	1260	e270	e430	e246	e400	3190	667	320	155	e400	219
27	516	2580	e265	e385	e245	e549	2870	569	304	159	e270	383
28	463	1850	e260	e345	e244	e735	2220	526	283	189	e220	837
29	435	1420	e270	e310	---	e1330	1940	514	267	237	e190	580
30	421	1220	e446	e282	---	e4730	1900	524	258	568	e175	401
31	412	---	e538	e240	---	4370	---	494	---	812	e160	---
TOTAL	13294	33272	16958	12134	7527	19185	115660	30893	16658	6695	8002	7301
MEAN	429	1109	547	391	269	619	3855	997	555	216	258	243
MAX	750	4080	1090	1190	295	4730	12200	1970	1340	812	530	837
MIN	266	380	260	240	244	248	1040	494	258	151	160	162
CFSM	1.11	2.88	1.42	1.02	.70	1.61	10.0	2.39	1.44	.56	.67	.63
IN.	1.28	3.21	1.64	1.17	.73	1.85	11.18	2.98	1.61	.65	.77	.71

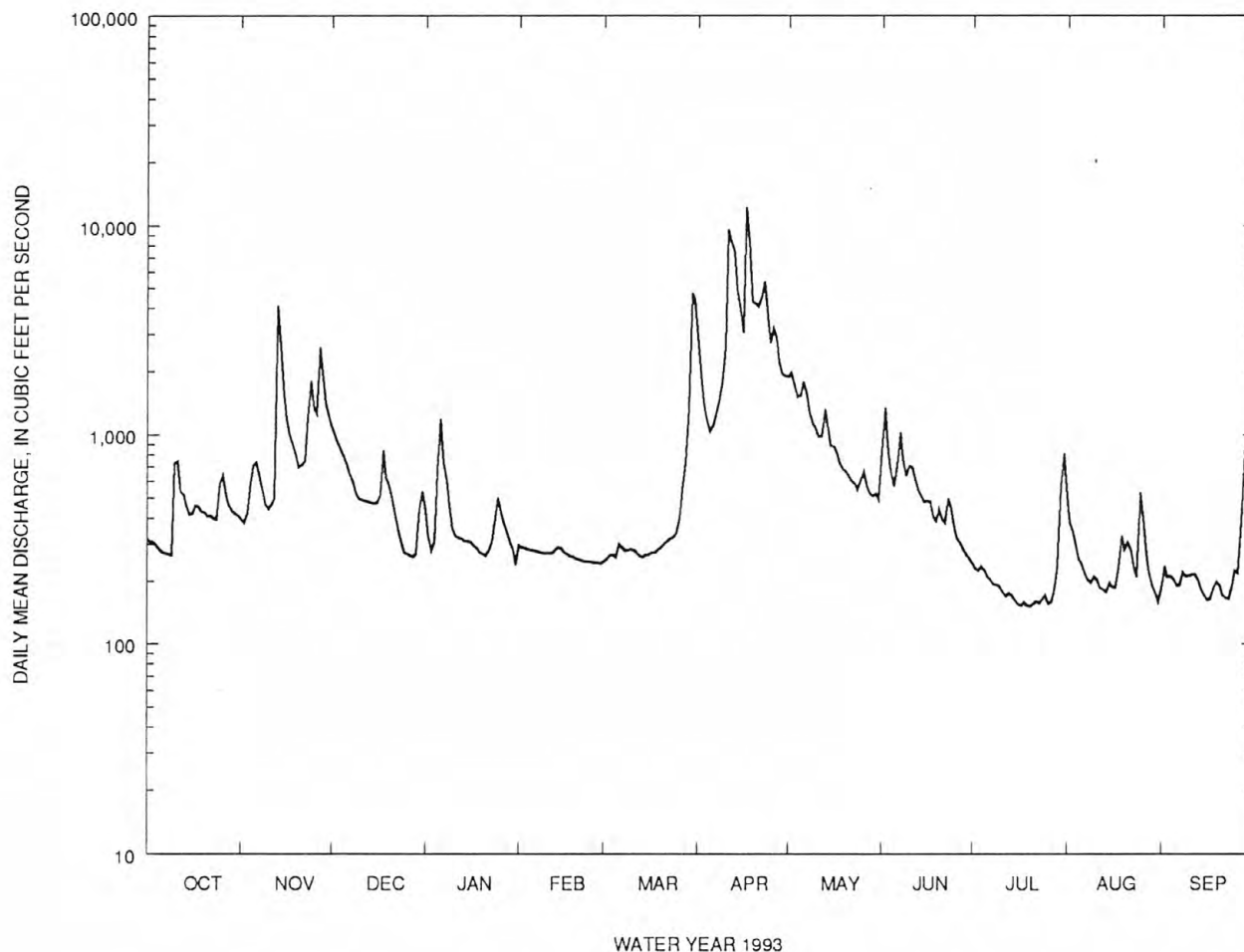
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01064500 SACO RIVER NEAR CONWAY, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	626	930	749	552	505	951	2627	2266	823	419	362	386
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1904 - 1993	
ANNUAL TOTAL	302503		287579			
ANNUAL MEAN	827		788		934	
HIGHEST ANNUAL MEAN					1463	
LOWEST ANNUAL MEAN					489	
HIGHEST DAILY MEAN	6520		12200		33900	
LOWEST DAILY MEAN	240		151		66	
ANNUAL SEVEN-DAY MINIMUM	281		155		74	
INSTANTANEOUS PEAK FLOW			20600		47200	
INSTANTANEOUS PEAK STAGE			11.15		19.03	
INSTANTANEOUS LOW FLOW			147		40	
ANNUAL RUNOFF (CFSM)	2.15		2.05		2.43	
ANNUAL RUNOFF (INCHES)	29.23		27.79		32.95	
10 PERCENT EXCEEDS	1620		1560		2180	
50 PERCENT EXCEEDS	528		383		451	
90 PERCENT EXCEEDS	310		190		180	



01065500 OSSIPPEE 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. 9-11, 24-29, Jan. 2,3, 10-12, and Jan. 14 to Mar. 30. Records good except for periods of ice effect, Dec. 9-11, 24-29, Jan. 2,3, 10-12, and Jan. 14 to Mar. 30, and period of missing gage-height record Jan. 28 to Feb. 2, which are fair. Flow partly regulated by mill at Kezer 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, 65 ft³/s, Sept. 8, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,960 ft³/s, Apr. 13, gage height, 8.27 ft; minimum daily, 164 ft³/s, July 28.

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	207	588	1330	578	e534	e457	2830	1870	430	278	192	264
2	203	580	1240	e569	e524	e453	2810	1750	1010	305	180	304
3	205	623	1160	e564	e504	e453	2660	1640	970	311	203	305
4	198	690	1080	567	e500	e453	2420	1530	727	298	192	307
5	198	802	1000	636	e485	e457	2220	1140	688	231	217	303
6	189	844	933	730	e467	e460	2130	1030	763	221	242	225
7	200	817	876	711	e462	e462	2130	982	799	225	259	197
8	192	778	692	698	e453	e465	2180	810	733	292	255	201
9	193	753	e653	681	e444	e476	2320	785	528	244	239	203
10	220	734	e632	e670	e439	e490	2630	786	451	225	248	222
11	217	723	e616	e653	e430	e485	3940	561	469	221	244	226
12	254	713	521	e621	e435	e471	5000	536	442	217	248	206
13	680	773	460	590	e444	e457	5830	524	430	197	232	198
14	680	809	467	e585	e439	e448	5580	510	424	184	237	196
15	671	756	461	e569	e439	e453	5170	391	420	187	234	191
16	675	435	454	e559	e448	e448	4640	375	425	183	228	191
17	675	472	483	e539	e519	e453	4420	371	411	180	197	191
18	661	788	599	e519	e500	e471	4530	366	389	180	208	192
19	635	785	577	e500	e490	e462	4300	360	269	177	200	195
20	449	748	571	e490	e485	e457	3950	395	257	177	197	187
21	457	717	575	e462	e483	e457	3580	588	259	180	237	185
22	631	703	555	e504	e481	e462	3310	581	278	183	207	188
23	632	845	545	e564	e476	e467	3240	573	281	188	210	190
24	632	979	e539	e580	e471	e471	3190	559	259	173	198	194
25	693	1190	e534	e659	e467	e469	2950	565	254	172	241	190
26	682	1280	e529	e664	e465	e462	2760	557	252	171	221	203
27	646	1430	e529	e626	e462	e462	2830	514	256	174	322	244
28	623	1490	e524	e606	e460	e481	2640	402	250	164	335	295
29	612	1480	e524	e585	---	e642	2410	316	251	168	330	252
30	604	1410	568	e564	---	e1760	2010	308	245	216	322	222
31	597	---	563	e555	---	2500	---	295	---	195	216	---
TOTAL	14411	25735	20790	18398	13206	17864	100610	21970	13620	6517	7291	6667
MEAN	465	858	671	593	472	576	3354	709	454	210	235	222
MAX	693	1490	1330	730	534	2500	5830	1870	1010	311	335	307
MIN	189	435	454	462	430	448	2010	295	245	164	180	185

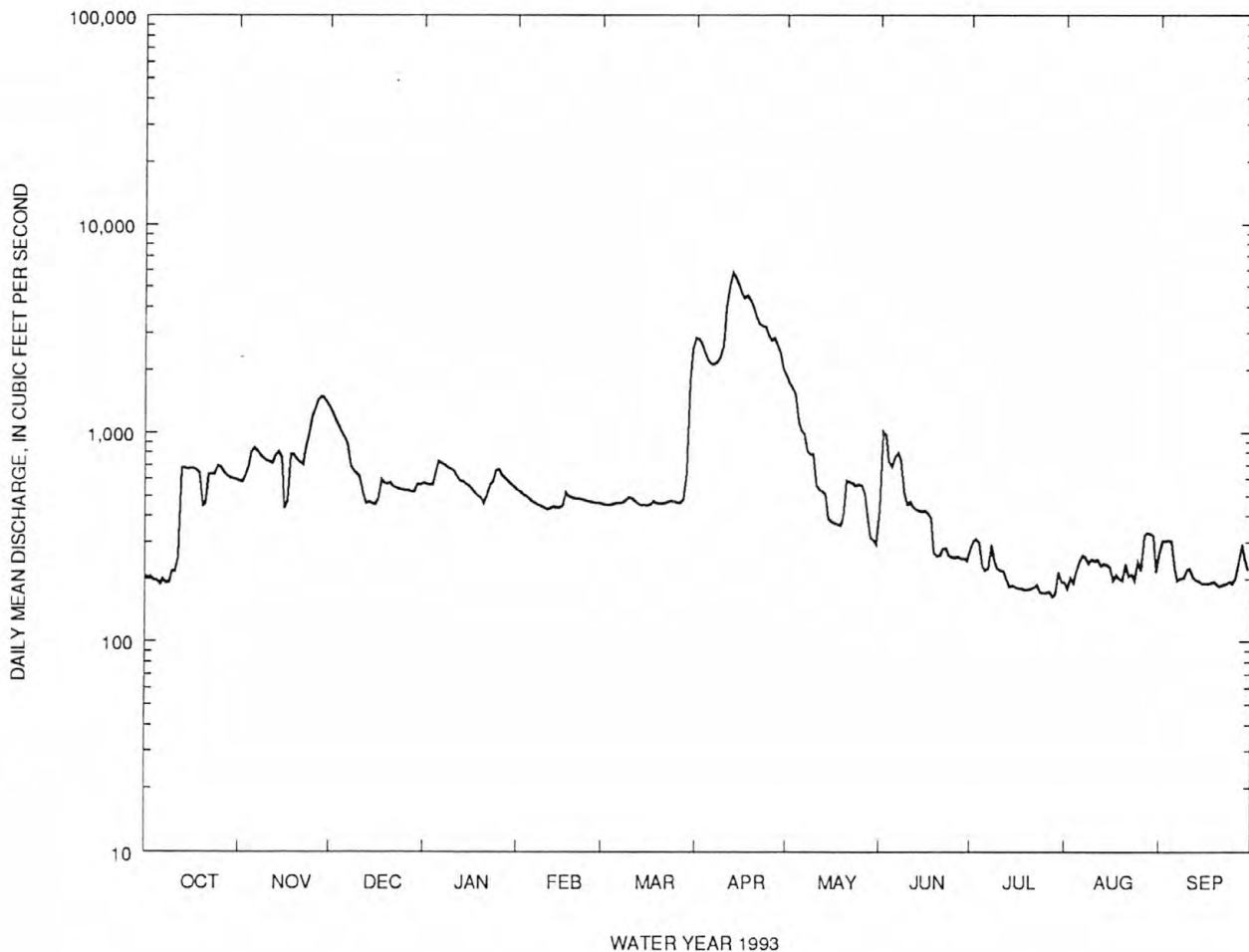
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01065500 OSSIPEE RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	474	726	868	723	719	1176	2458	1491	755	440	375	356
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1916 - 1993	
ANNUAL TOTAL	270551		267079			
ANNUAL MEAN	739		732		879	
HIGHEST ANNUAL MEAN					1426	
LOWEST ANNUAL MEAN					448	
					1984	
HIGHEST DAILY MEAN	2930	Mar 29	5830	Apr 13	16300	Mar 21 1936
LOWEST DAILY MEAN	189	Oct 6	164	Jul 28	65	Sep 8 1929
ANNUAL SEVEN-DAY MINIMUM	196	Oct 3	173	Jul 23	91	Jul 2 1921
INSTANTANEOUS PEAK FLOW			5960	Apr 13	17200	Mar 21 1936
INSTANTANEOUS PEAK STAGE			8.27	Apr 13	16.32	Mar 21 1936
10 PERCENT EXCEEDS	1460		1510		1940	
50 PERCENT EXCEEDS	580		471		561	
90 PERCENT EXCEEDS	246		197		230	



SACO RIVER BASIN

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. 25 to Jan. 5 and Jan. 10 to Mar. 29. Records good except for periods of ice effect, Dec. 25 to Jan. 5 and Jan. 10 to Mar. 29, which are 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, 244 ft³/s, Oct. 7, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,200 ft³/s, Apr. 14, gage height, 11.64 ft; minimum daily 401 ft³/s, Sept. 21.

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	834	1240	3900	e1570	e1090	e973	6330	7100	1450	742	903	612
2	820	1330	3710	e1560	e1180	e970	6320	6510	2060	755	917	668
3	809	1340	3460	e1510	e1110	e971	6730	6030	2190	735	810	678
4	793	1520	3250	e1410	e1200	e1050	7000	5740	1960	821	750	681
5	732	1550	3050	e1760	e1030	e1050	7050	5080	1920	604	773	677
6	723	1680	2760	1830	e1030	e949	7240	4690	1990	606	795	603
7	695	1780	2660	2020	e1010	e990	6650	4390	2030	634	789	506
8	699	1740	2200	1950	e973	e948	6320	4120	2010	703	570	513
9	591	1710	1880	1920	e964	e994	6400	3920	1840	659	647	541
10	715	1660	1810	e1800	e1010	e1010	6910	3670	1700	505	666	750
11	811	1590	1400	e1630	e1050	e1000	9560	3260	1740	487	640	601
12	1220	1600	1390	e1610	e1050	e988	12000	3050	1680	537	577	543
13	1470	1660	1440	e1490	e1100	e882	15100	2820	1670	517	549	537
14	1480	2380	1540	e1290	e1060	e915	17600	2750	1570	492	555	533
15	1480	2930	1610	e1410	e1050	e908	17800	2550	1410	451	550	502
16	1450	2580	1670	e1380	e1060	e844	16500	2350	1490	430	542	481
17	1410	2620	1760	e1340	e1130	e888	15300	2330	1410	449	514	439
18	1500	2900	2070	e1310	e988	e929	14700	2160	1430	447	526	414
19	1350	2720	1840	e1110	e1050	e976	16200	2110	1110	438	507	416
20	1190	2660	1850	e989	e1000	e972	16300	1960	1150	447	494	407
21	1190	2490	1860	e1050	e1000	e973	14800	2140	915	433	629	401
22	1360	2250	1780	e1310	e1020	e979	13200	2050	1100	432	731	423
23	1360	2410	1660	e1310	e990	e985	12400	2000	1020	440	761	442
24	1300	2730	1510	e1450	e1000	e989	11900	1860	911	420	739	444
25	1370	3240	e1200	e1630	e996	e992	11300	1870	997	418	760	437
26	1370	3440	e1240	e1600	e943	e1110	10600	1810	975	417	742	455
27	1460	3780	e1200	e1490	e978	e1130	10200	1590	981	422	832	543
28	1300	3880	e1020	e1460	e976	e1290	9480	1560	764	410	860	726
29	1340	4070	e1130	e1480	---	e1930	8690	1460	840	417	853	774
30	1420	4080	e1660	e1480	---	4570	7750	1400	822	478	844	955
31	1320	---	e1630	e1320	---	5630	---	1330	---	612	594	---
TOTAL	35562	71560	61140	46469	29038	39785	328330	95660	43135	16358	21419	16702
MEAN	1147	2385	1972	1499	1037	1283	10940	3086	1438	528	691	557
MAX	1500	4080	3900	2020	1200	5630	17800	7100	2190	821	917	955
MIN	591	1240	1020	989	943	844	6320	1330	764	410	494	401

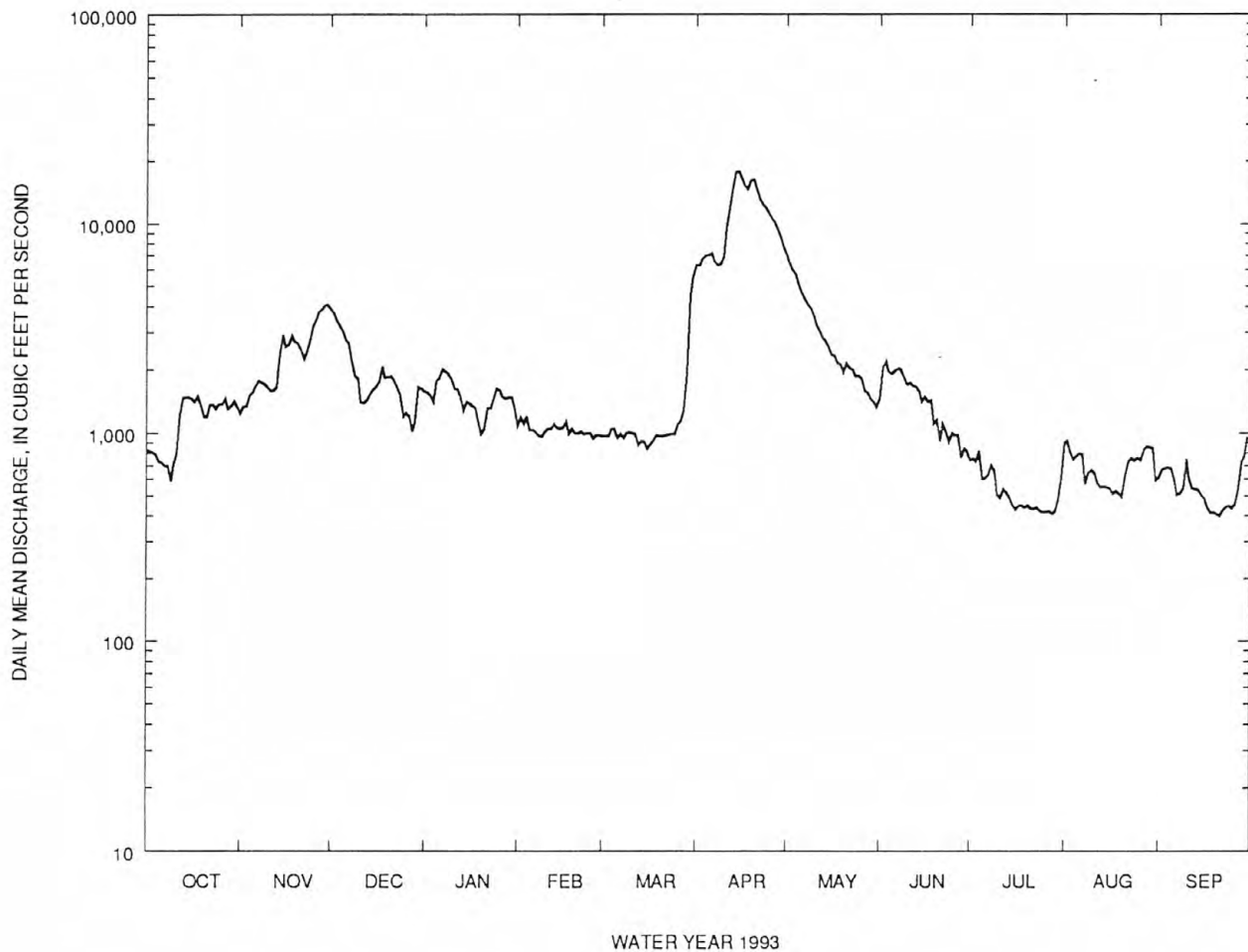
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01066000 SACO RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1488	2362	2521	1954	1922	3173	7347	5563	2559	1395	1072	1046
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1916 - 1993	
ANNUAL TOTAL	816452		805158		2695	
ANNUAL MEAN	2231		2206		4076	
HIGHEST ANNUAL MEAN					1372	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	8190	Apr 27	17800	Apr 15	45600	Mar 21 1936
LOWEST DAILY MEAN	556	Aug 27	401	Sep 21	244	Oct 7 1964
ANNUAL SEVEN-DAY MINIMUM	707	Oct 4	420	Sep 17	301	Oct 13 1957
INSTANTANEOUS PEAK FLOW			18200	Apr 14	46600	Mar 21 1936
INSTANTANEOUS PEAK STAGE			11.64	Apr 14	21.90	Mar 21 1936
10 PERCENT EXCEEDS	4400		4850		6160	
50 PERCENT EXCEEDS	1660		1290		1660	
90 PERCENT EXCEEDS	909		516		672	



01066000 SACO RIVER AT CORNISH, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--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 1992 TO SEPTEMBER 1993

DATE	TIME	STREAM FLOW, INSTAN- TANEOUS (CFS) (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 (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)
NOV												
12...	0945	1,780	38	6.8	5.5	3.0	0.50	761	13.4	100	K 4	K 2
DEC												
03...	1015	3,490	36	6.4	8.0	4.0	1.0	746	12.3	96	K 6	K 16
FEB												
02...	1125	E 1,180	50	6.6	-7.0	0.5	1.5	760	12.8	89	K 1	K 1
APR												
07...	0945	6,490	36	6.4	9.0	2.0	1.4	765	13.7	99	K 8	K 5
JUN												
09...	0945	1,830	40	6.8	16.0	16.5	1.0	753	9.1	95	K 11	K 12
AUG												
04...	1115	749	49	6.8	28.0	24.0	0.30	762	8.2	98	34	K 11

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											
12...	9	2.6	0.48	3.6	0.60	6.5	0.0	5.3	3.4	4.8	0.30
DEC											
03...	8	2.3	0.42	3.3	0.50	5.3	0.0	4.4	3.3	4.1	0.30
FEB											
02...	10	2.9	0.51	5.0	0.60	8.0	0.0	6.6	3.6	6.8	0.30
APR											
07...	7	2.1	0.41	3.1	0.50	4.5	0.0	3.7	3.1	4.4	0.20
JUN											
09...	8	2.6	0.45	3.8	0.60	6.5	0.0	5.3	3.0	5.3	0.30
AUG											
04...	8	2.6	0.43	3.8	0.60	5.7	0.0	4.6	3.5	5.1	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 1992 TO SEPTEMBER 1993

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 TOTAL (MG/L AS N) (00615)	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 TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
NOV										
12...	7.0	18	26	0.01	0.01	0.10	0.09	0.02	0.03	0.04
DEC										
03...	6.6	32	23	<0.01	<0.01	0.11	0.19	0.02	0.01	0.01
FEB										
02...	7.8	33	32	--	0.03	--	0.17	--	0.05	0.06
APR										
07...	6.0	33	22	--	<0.01	--	0.13	--	0.02	0.03
JUN										
09...	6.7	29	26	--	<0.01	--	0.10	--	0.02	0.03
AUG										
04...	6.0	31	25	--	<0.01	--	0.13	--	0.03	0.04

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)
NOV										
12...	<0.20	0.01	0.01	<0.01	<0.01	40	3	<3	98	<4
DEC										
03...	<0.20	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--
FEB										
02...	0.50	<0.01	0.02	--	<0.01	70	4	<3	110	<4
APR										
07...	<0.20	0.02	<0.01	--	<0.01	100	4	<3	81	<4
JUN										
09...	<0.20	0.02	<0.01	--	0.01	--	--	--	--	--
AUG										
04...	<0.20	<0.01	<0.01	--	<0.01	20	3	<3	87	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
12...	12	<10	<1	<1	<1	20	<6	1	4.8	79
DEC										
03...	--	--	--	--	--	--	--	5	47	58
FEB										
02...	19	<10	<1	<1	<1	23	<6	49	156	7
APR										
07...	36	<10	<1	<1	<1	17	<6	12	210	76
JUN										
09...	--	--	--	--	--	--	--	3	15	92
AUG										
04...	11	<10	<1	<1	<1	20	<6	3	6.1	78

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, 19 ft³/s, Aug. 30, Sept. 13, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,730 ft³/s, Apr. 13, gage height, 5.41 ft; minimum daily, 20 ft³/s, Sep. 26-30.

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	116	130	274	84	175	73	694	268	55	41	25	23
2	93	130	258	84	175	65	602	262	55	41	25	23
3	93	130	252	84	136	65	502	254	72	41	25	23
4	93	130	246	133	100	65	445	242	83	41	25	24
5	93	130	246	170	100	62	336	171	83	41	25	24
6	93	130	243	204	100	62	278	130	83	41	25	24
7	93	130	238	234	100	62	332	138	83	36	25	24
8	91	130	235	234	100	62	485	143	83	32	26	24
9	89	171	199	234	100	62	574	147	83	32	26	23
10	88	203	166	234	100	61	655	113	83	32	26	23
11	90	203	164	181	100	61	1290	85	83	32	26	24
12	175	203	162	110	100	70	1600	86	83	32	26	24
13	236	202	161	110	100	82	1670	68	83	32	26	24
14	223	200	120	110	100	85	1330	55	83	32	26	24
15	217	200	86	110	100	81	984	55	71	32	26	23
16	214	200	86	110	100	75	702	55	55	32	26	22
17	211	188	124	112	100	75	709	55	55	32	25	22
18	208	173	199	111	100	75	843	55	46	32	25	22
19	203	150	238	110	100	75	809	55	37	31	25	22
20	161	127	238	110	100	75	700	55	37	31	25	21
21	130	126	177	110	100	75	601	55	37	29	25	21
22	130	126	128	110	100	75	541	55	39	25	25	21
23	130	144	128	110	100	75	518	56	39	25	25	21
24	130	169	128	110	91	75	533	57	39	25	25	21
25	130	174	129	145	79	108	490	57	39	25	24	21
26	130	177	130	175	79	135	409	55	39	25	24	20
27	130	182	130	175	79	135	398	55	40	25	23	20
28	130	211	130	175	79	137	409	55	40	25	23	20
29	130	232	105	175	---	250	323	55	40	25	23	20
30	130	261	84	175	---	404	264	55	40	25	23	20
31	130	---	84	175	---	497	---	55	---	25	23	---
TOTAL	4310	5062	5288	4504	2893	3359	20026	3102	1788	975	772	668
MEAN	139	169	171	145	103	108	668	100	59.6	31.5	24.9	22.3
MAX	236	261	274	234	175	497	1670	268	83	41	26	24
MIN	88	126	84	84	79	61	264	55	37	25	23	20

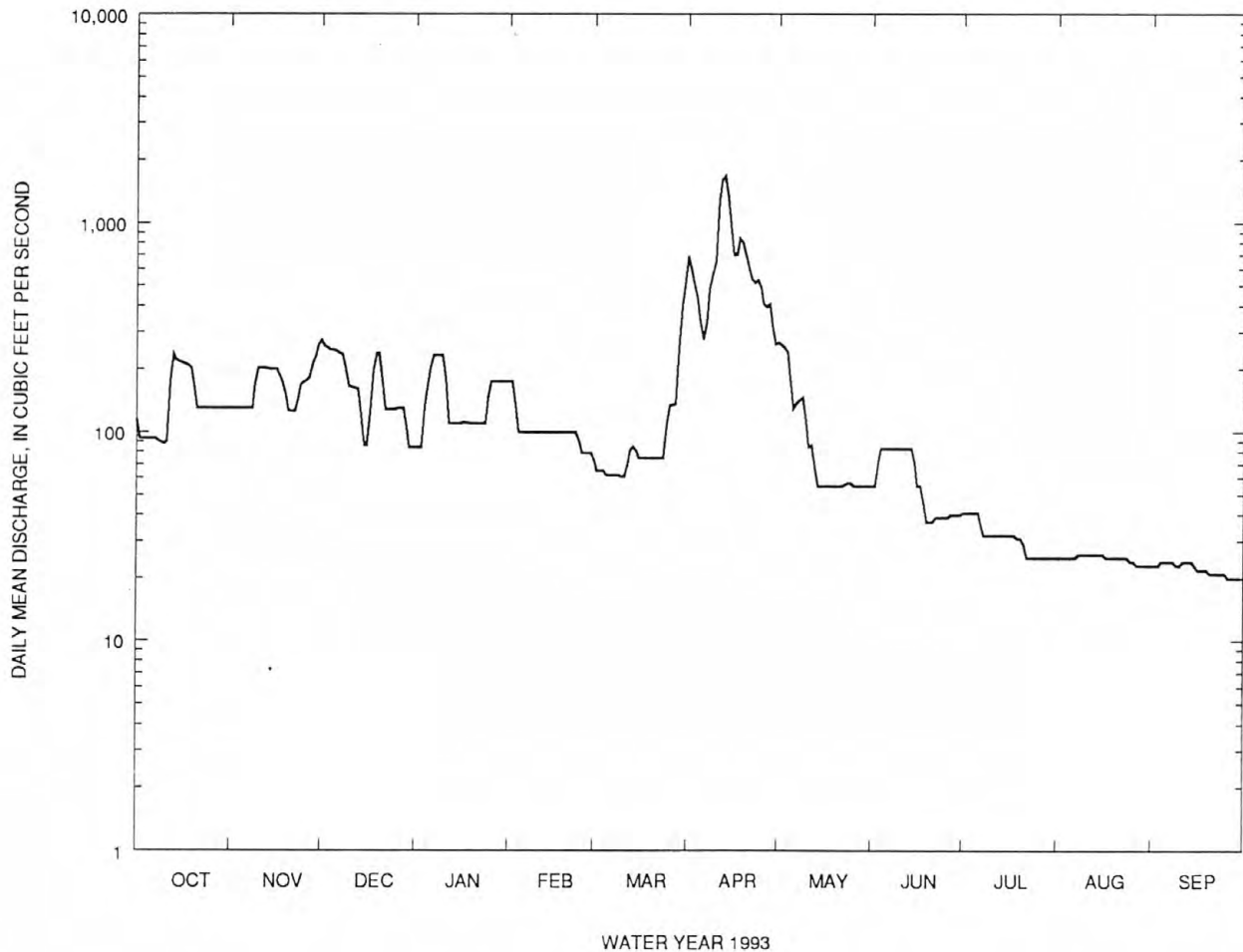
e Estimated

01072100 SALMON FALLS RIVER AT MILTON, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1993, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	170	193	222	171	193	309	445	228	128	63.1	65.7	83.4
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1969 - 1993	
ANNUAL TOTAL	54579		52747			
ANNUAL MEAN	149		145		189	
HIGHEST ANNUAL MEAN					307	
LOWEST ANNUAL MEAN					98.6	
					1984	
HIGHEST DAILY MEAN	480		1670		3220	
LOWEST DAILY MEAN	34		20		19	
ANNUAL SEVEN-DAY MINIMUM	40		20		20	
	Aug 8		Sep 24		Sep 24 1993	
INSTANTANEOUS PEAK FLOW			1730		4000	
INSTANTANEOUS PEAK STAGE			5.41		6.70	
			Apr 13		Apr 6 1984	
			Apr 13		Apr 6 1984	
10 PERCENT EXCEEDS	257		259		398	
50 PERCENT EXCEEDS	130		91		134	
90 PERCENT EXCEEDS	51		24		39	



Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ST. JOHN RIVER BASIN						
Prestile Stream	St. John River	Lat 46° 30'33", long 67 °51'12", Aroostook County, at outfall of Mars Hill STP, 0.3 mi downstream from Rocky Brook, near Mars Hill, Maine.	about 86	1991-92	10-29-92	183
ST. GEORGE RIVER BASIN						
Quiggle Brook	St. George River	Lat 44°12'53", long 69 °11'44", Knox County, at outlet of Fish Pond, in Hope, Maine.	4.39	--	07-19-93 07-26-93 09-28-93	1.05 .74 1.09
KENNEBEC RIVER BASIN						
Austin Stream 01046000	Kennebec River	Lat 45°03'25", long 69°53'10", Somerset County, at the mouth, in Bingham, Maine.	90.2	many	07-22-93	15.0
Wilson Stream 01047730	Sandy River	Lat 44°36'55", long 70°11'42", Franklin County, 0.1mi upstream from railroad bridge in East Wilton, and 1.5 mi downstream from Varnum Stream in East Wilton, Maine.	45.8	many	08-26-93	9.12
Twentyfive Mile Stream	Sebasticook River	Lat 44° 41'22", long 69°25'04", Waldo County, downstream side of Troy Rd. bridge, 0.4 mi above mouth, in Burnham, Maine.	146	--	04-14-93	2,650
ANDROSCOGGIN RIVER BASIN						
Androscoggin River	Kennebec River	Lat 43°55'03", long 69°58'25", Cumberland County, upstream side of foot bridge, 0.3 mi upstream on U.S. Route 1 from corner of U.S. Route 201 and U.S. Route 1, 530 ft downstream from railroad bridge, in Brunswick, Maine.	3,434	many	04-08-93	11,600

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993**

195

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)
ST. JOHN RIVER BASIN											
01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME (LAT 46 42 00N LONG 069 42 59W)											
JAN 1993 MAY											
06...	1600	561	73	0.0	-3.0	11...	0738	2920	37	7.0	5.5
MAR AUG											
30...	0715	609	76	0.0	6.0	17...	0710	455	59	20.0	19.0
01010070 BIG BLACK RIVER NEAR DEPOT MTN, ME (LAT 46 53 38N LONG 069 45 08W)											
NOV 1992 MAY											
02...	1545	102	67	0.0	-3.0	10...	1412	328	54	10.0	14.5
JAN 1993 JUL											
07...	1215	110	116	0.0	1.0	21...	1302	45	100	22.0	24.5
01010500 ST. JOHN RIVER AT DICKEY, ME (LAT 47 06 44N LONG 069 05 25W)											
JAN 1993 MAR											
12...	0646	2190	69	0.0	-29.0	11...	0817	264	102	0.0	0.0
01011000 ALLAGASH RIVER NEAR ALLAGASH, ME (LAT 47 04 14N LONG 069 04 51W)											
JAN 1993 MAY											
12...	0943	559	70	0.0	-15.0	05...	1325	3570	38	10.5	18.5
MAR JUL											
11...	1205	239	72	0.0	1.0	27...	0720	596	55	18.5	17.0
01013500 FISH RIVER NEAR FORT KENT, ME (LAT 47 14 14N LONG 068 34 56W)											
JAN 1993 MAY											
12...	1345	463	79	0.0	-6.0	06...	0715	4160	58	6.5	11.5
MAR JUL											
11...	1547	242	91	0.0	-2.0	27...	1600	413	64	15.5	19.0
01014000 ST. JOHN RIVER BELOW FISH R, AT FORT KENT, ME (LAT 47 15 27N LONG 068 35 35W)											
OCT 1992 MAY											
28...	1323	11100	78	4.0	2.0	05...	1605	20000	56	6.5	16.0
JAN 1993 AUG											
12...	1507	3620	89	0.0	-12.0	03...	0700	4510	73	23.5	21.0
MAR											
12...	0735	642	94	0.0	-12.0						
01015800 AROOSTOOK RIVER NEAR MASARDIS, ME (LAT 46 31 21N LONG 068 22 23W)											
OCT 1992 MAY											
27...	1033	3370	48	4.0	2.0	06...	1135	2680	36	12.0	20.0
JAN 1993 JUL											
11...	1001	592	65	0.0	-8.0	26...	0955	313	55	19.5	26.0
MAR											
12...	1215	132	96	0.0	-9.0						
01017000 AROOSTOOK RIVER AT WASHBURN, ME (LAT 46 46 36N LONG 068 09 29W)											
JAN 1993 MAY											
11...	1240	880	68	0.0	-7.0	06...	1410	4810	80	12.5	21.0
MAR JUL											
12...	1347	264	93	0.0	-8.0	29...	0800	442	102	19.5	20.0
ST. CROIX RIVER BASIN											
01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME (LAT 45 10 23N LONG 067 46 06W)											
OCT 1992 MAY											
21...	1416	117	25	10.0	8.0	17...	1102	438	27	10.0	21.0
JAN 1993 JUL											
05...	1413	119	27	0.5	10.0	20...	1520	213	25	20.0	17.0

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993**

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)
DENNYS RIVER BASIN											
01021200 DENNYS RIVER AT DENNYSVILLE, ME (LAT 44 54 03N LONG 067 14 56W)											
JAN 1993						MAY					
06...	0802	402	31	0.5	-4.0	18...	0722	178	33	13.5	10.5
FEB						JUL					
09...	1030	74	37	0.0	-10.0	21...	1540	74	34	22.0	21.0
MAR						SEP					
01...	1520	95	48	--	--	08...	0855	55	37	20.0	19.0
NARRAGUAGUS RIVER BASIN											
01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME (LAT 44 36 29N LONG 067 56 10W)											
FEB 1993						JUL					
09...	1405	155	37	0.0	-7.0	22...	0935	62	38	21.0	19.5
MAR						SEP					
02...	0752	204	41	0.5	1.5	07...	1125	46	41	21.0	24.0
PENOBSCOT RIVER BASIN											
01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME (LAT 45 30 18N LONG 068 18 07W)											
FEB 1993						JUN					
25...	1200	453	46	0.0	-14.0	29...	1305	2430	49	22.0	24.0
01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME (LAT 45 10 31N LONG 069 18 55W)											
JAN 1993						JUN					
12...	1020	119	53	0.0	-12.0	15...	1315	165	43	25.0	27.0
FEB						29...	0851	189	41	23.0	25.0
26...	1200	92	57	0.0	-10.0	AUG					
MAY						10...	1040	47	52	22.5	20.0
14...	1025	1340	--	9.5	17.0						
01033000 SEBEC RIVER AT SEBEC, ME (LAT 45 16 12N LONG 069 06 44W)											
JUN 1993						AUG					
29...	1035	389	24	23.5	23.5	10...	1205	66	24	--	--
01034000 PISCATAQUIS RIVER AT MEDFORD, ME (LAT 45 15 40N LONG 068 52 07W)											
FEB 1993											
26...	0925	635	45	0.0	-15.0						
01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME (LAT 45 14 12N LONG 068 38 56W)											
FEB 1993											
25...	0900	4180	48	0.0	-19.0						
SHEEPSHOT RIVER BASIN											
01038000 SHEEPSHOT RIVER AT NORTH WHITEFIELD, ME (LAT 44 13 23N LONG 069 35 38W)											
OCT 1992						AUG					
14...	1005	28	--	12.0	17.0	19...	1345	25	54	24.0	27.0
MAY 1993											
18...	0720	127	49	9.0	14.0						
KENNEBEC RIVER BASIN											
01042500 KENNEBEC RIVER AT THE FORKS, ME (LAT 45 20 25N LONG 069 57 48W)											
OCT 1992						JUL 1993					
27...	0747	690	33	6.0	5.0	20...	0836	266	30	20.5	21.0
01046500 KENNEBEC RIVER AT BINGHAM, ME (LAT 45 03 06N LONG 069 53 12W)											
MAY 1993						JUL					
10...	0645	5710	29	8.0	10.0	22...	0455	630	30	19.5	12.5

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993**

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DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)
KENNEBEC RIVER BASIN--continued											
		01047000	CARRABASSETT RIVER NEAR NORTH ANSON, ME (LAT 44 52 09N LONG 069 57 20W)								
JAN 1993						JUN					
22...	0830	127	52	0.0	-5.0	14...	0930	294	40	20.0	21.0
MAR						AUG					
24...	1335	109	57	0.0	3.0	30...	1145	51	53	22.0	20.0
		01048000	SANDY RIVER NEAR MERCER, ME (LAT 44 42 26N LONG 069 56 21W)								
OCT 1992						MAY					
28...	1000	457	57	6.0	6.0	20...	0805	608	51	13.0	12.0
JAN 1993						AUG					
21...	1030	157	80	0.0	-1.0	31...	0900	64	86	20.0	20.5
MAR											
24...	0834	246	88	0.0	4.5						
		01049000	SEBASTICOOK RIVER NEAR PITTSFIELD, ME (LAT 44 43 00N LONG 069 24 56W)								
JAN 1993						AUG					
07...	0910	178	--	1.0	1.5	05...	0915	35	62	--	--
JUN											
29...	1346	186	91	24.5	31.0						
		01049500	COBBOSSEECONTEE STREAM AT GARDINER, ME (LAT 44 13 15N LONG 069 47 25W)								
MAY 1993						AUG					
18...	1145	217	71	18.0	12.0	23...	1105	39	86	19.0	23.5
		01049550	TOGUS STREAM AT TOGUS, ME (LAT 44 15 57N LONG 069 41 55W)								
OCT 1992						AUG					
14...	1220	4.1	92	12.5	17.0	20...	1210	4.8	80	23.0	27.5
MAY 1993											
18...	1000	15	53	15.5	10.5						
ANDROSCOGGIN RIVER BASIN											
		01052500	DIAMOND RIVER NEAR WENTWORTH LOCATION, NH (LAT 44 52 40N LONG 071 03 25W)								
MAR 1993						JUN					
02...	1359	58	42	0.0	0.0	28...	1500	166	34	20.0	18.5
MAY											
12...	0935	255	31	13.0	16.0						
		01053500	ANDROSCOGGIN RIVER AT ERROL, NH (LAT 44 46 57N LONG 071 07 46W)								
MAY 1993						JUN					
12...	0610	1390	26	13.0	10.5	29...	0718	2040	29	20.5	19.5
		01054000	ANDROSCOGGIN RIVER NEAR GORHAM, NH (LAT 44 26 10N LONG 071 11 27W)								
MAY 1993											
11...	1445	1660	76	15.0	18.5						
		01054500	ANDROSCOGGIN RIVER AT RUMFORD, ME (LAT 44 32 33N LONG 070 32 50W)								
APR 1993						SEP					
12...	0830	29000	35	1.0	7.0	15...	1402	1880	85	23.0	27.0
JUN											
30...	1506	2650	94	23.0	24.5						
		01055000	SWIFT RIVER NEAR ROXBURY, ME (LAT 44 38 32N LONG 070 35 17W)								
JAN 1993						MAY					
05...	0817	64	40	0.0	2.0	12...	1359	142	25	13.0	12.5
MAR						JUN					
02...	0910	34	31	0.0	-3.0	28...	0920	46	29	20.0	22.5
		01055500	NEZINSCOT RIVER AT TURNER CENTER, ME (LAT 44 16 10N LONG 070 13 49W)								
FEB 1993						MAY					
12...	1030	56	94	0.0	-5.0	06...	1210	308	59	16.0	21.0
MAR						AUG					
01...	1330	56	82	0.0	1.0	31...	1419	23	115	24.5	28.0

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993**

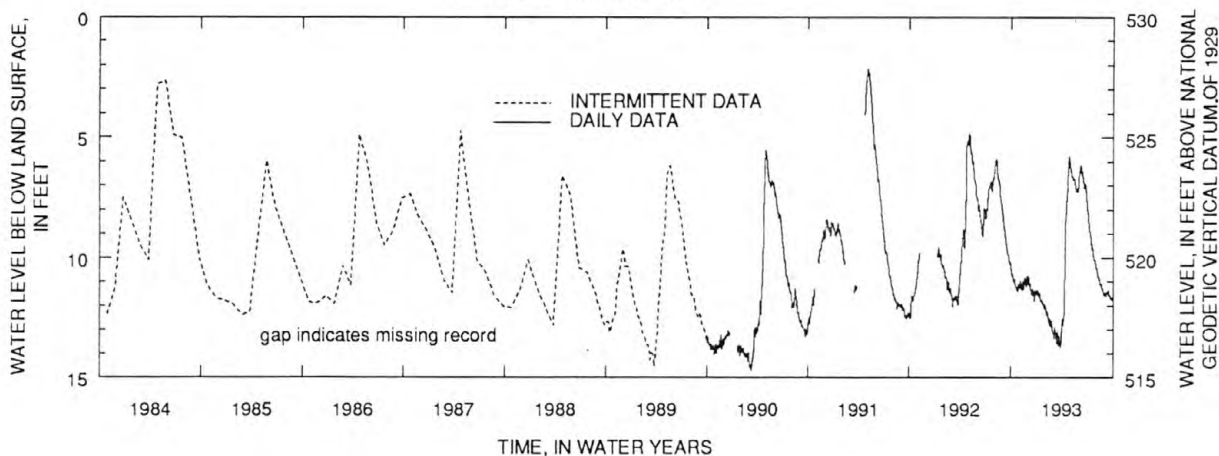
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPECIFIC CONDUCT- TANCE (US/CM)	TEMPER- ATURE WATER (DEC C)	TEMPER- ATURE AIR (DEC C)
ANDROSCOGGIN RIVER BASIN--continued											
01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME (LAT 44 18 13N LONG 070 32 24W)											
OCT 1992						MAR					
29...	1245	49	51	5.0	9.0	01...	1030	25	62	0.0	-1.0
DEC						MAY					
30...	1345	42	74	0.0	-3.0	07...	0851	135	49	14.5	14.5
JAN 1993						JUN					
15...	1120	31	61	0.0	-4.0	23...	1020	54	51	17.0	21.0
29...	0950	39	60	0.0	0.0	AUG					
FEB						31...	0918	3.5	75	22.0	28.0
11...	1344	19	66	0.0	-3.0						
01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME (LAT 44 04 20N LONG 070 12 31W)											
OCT 1992						SEP					
29...	0937	4190	105	8.0	12.0	01...	1327	2030	136	23.5	19.0
MAY 1993											
06...	0846	6810	70	14.5	18.5						
ROYAL RIVER BASIN											
01060000 ROYAL RIVER AT YARMOUTH, ME (LAT 43 47 57N LONG 070 10 45W)											
OCT 1992						JUN					
23...	0950	51	140	10.0	12.0	22...	0900	56	108	19.0	20.0
MAR 1993						SEP					
04...	1050	67	134	0.0	1.0	01...	1054	27	142	22.5	18.0
MAY											
05...	0848	235	84	15.0	19.0						
SACO RIVER BASIN											
01064500 SACO RIVER NEAR CONWAY, NH (LAT 43 59 27N LONG 071 05 29W)											
FEB 1993						MAY					
11...	1030	272	58	0.0	-2.0	04...	0836	1590	35	10.0	16.0
MAR						JUN					
03...	1100	266	60	0.0	5.0	21...	0954	378	45	18.0	19.0
01065500 OSSIPEE RIVER AT CORNISH, ME (LAT 43 48 26N LONG 070 47 55W)											
OCT 1992						JUN					
22...	1010	646	41	10.0	9.0	24...	1308	252	42	22.0	26.0
JAN 1993						SEP					
08...	1220	709	41	2.0	3.5	02...	1132	316	40	24.5	21.5
MAR											
02...	1005	451	57	0.0	11.0						

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 measured, 0.52 ft below land-surface datum, May 2, 1984; lowest measured, 15.28 ft below land-surface datum, Jan. 22 and 23, 1979.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.49	11.20	10.93	11.42	11.95	13.08	13.00	6.07	6.85	7.73	10.40	11.48
2	10.49	11.02	10.90	11.42	12.15	13.18	12.75	6.24	6.65	7.95	10.41	11.55
3	10.62	10.95	10.77	11.50	12.22	13.19	12.54	6.26	6.52	8.02	10.44	11.48
4	10.74	10.90	10.87	11.34	12.28	13.35	12.69	6.31	6.40	8.06	10.48	11.52
5	10.67	11.00	11.02	11.42	12.34	13.32	12.79	6.40	6.45	8.25	10.50	11.61
6	10.72	11.16	11.16	11.53	12.38	13.10	12.74	6.37	6.31	8.32	10.63	11.52
7	10.78	11.29	11.07	11.50	12.30	12.91	12.66	6.58	6.13	8.46	10.71	11.48
8	10.88	11.31	11.11	11.58	12.21	13.05	12.57	6.65	6.15	8.63	10.76	11.48
9	10.98	11.21	11.21	11.59	12.34	13.16	12.47	6.65	6.20	8.83	10.77	11.46
10	10.95	11.15	11.27	11.49	12.45	13.19	12.30	6.67	6.20	8.91	10.79	11.42
11	10.99	10.95	11.35	11.48	12.57	13.13	11.53	6.59	6.34	8.90	10.83	11.46
12	10.87	11.09	11.47	11.58	12.66	13.47	10.26	6.72	6.53	8.97	10.85	11.48
13	10.90	11.12	11.52	11.62	12.48	13.58	9.28	6.70	6.47	9.02	10.95	11.38
14	10.98	11.31	11.37	11.70	12.53	13.11	8.60	6.69	6.40	9.11	11.06	11.36
15	11.07	11.19	11.38	11.73	12.76	13.23	8.41	6.75	6.51	9.13	11.09	11.35
16	11.12	10.93	11.34	11.79	12.83	13.30	8.26	6.73	6.59	9.31	11.11	11.51
17	11.12	10.84	11.30	11.76	12.55	13.10	8.02	6.74	6.68	9.52	11.06	11.61
18	11.28	10.89	11.30	11.77	12.68	13.21	7.75	6.86	6.76	9.63	11.06	11.56
19	11.21	10.97	11.57	11.77	12.69	13.49	7.46	6.92	6.94	9.60	11.08	11.59
20	11.24	11.10	11.40	11.77	12.86	13.66	7.42	6.99	7.09	9.62	11.09	11.67
21	11.31	10.97	11.40	11.90	12.86	13.43	7.36	7.02	6.97	9.62	11.24	11.65
22	11.33	10.86	11.50	11.87	12.61	13.26	7.17	7.20	6.91	9.71	11.31	11.69
23	11.37	10.88	11.66	11.84	12.67	13.42	6.67	7.24	7.08	9.84	11.30	11.65
24	11.30	11.17	11.80	11.93	12.76	13.53	6.47	7.23	7.00	10.04	11.33	11.66
25	11.34	11.09	11.62	11.89	12.91	13.54	6.09	7.17	6.90	10.08	11.28	11.75
26	11.15	10.84	11.39	12.07	12.97	13.57	5.87	7.13	7.03	10.07	11.36	11.76
27	11.09	10.74	11.40	12.08	13.11	13.72	5.84	7.11	7.18	10.08	11.45	11.67
28	11.11	11.04	11.35	12.06	13.17	13.70	5.80	7.24	7.29	10.12	11.46	11.65
29	11.06	11.06	11.51	12.08	---	13.45	5.82	7.23	7.45	10.17	11.58	11.73
30	11.13	10.94	11.45	12.11	---	13.32	5.95	7.11	7.55	10.17	11.55	11.73
31	11.26	---	11.40	11.98	---	13.20	---	7.01	---	10.30	11.47	---
LOW	11.37	11.31	11.80	12.11	13.17	13.72	13.00	7.24	7.55	10.30	11.58	11.76
HIGH	10.49	10.74	10.77	11.34	11.95	12.91	5.80	6.07	6.13	7.73	10.40	11.35
WTR YR 1993	HIGH 5.80 APR 28 LOW 13.72 MAR 27											

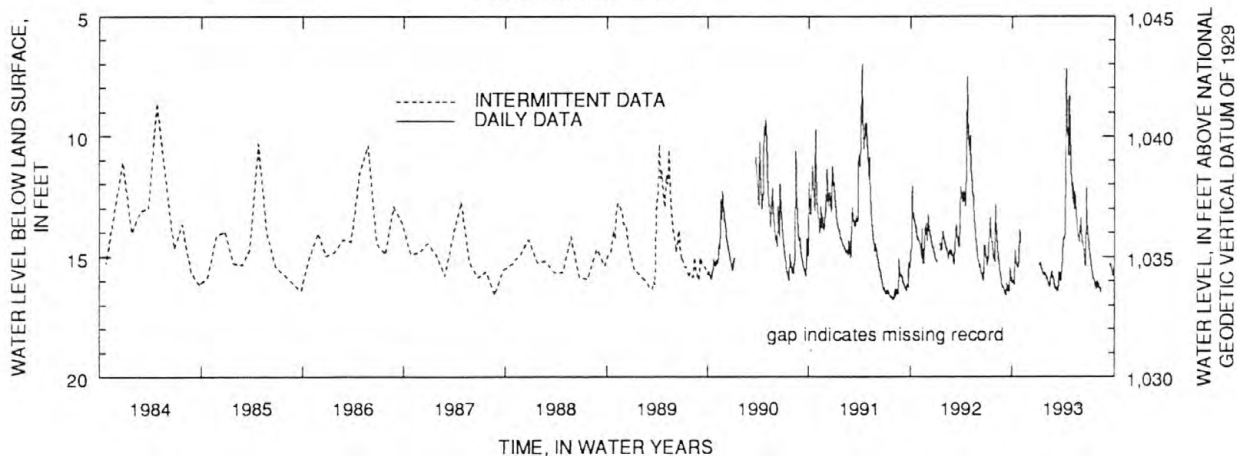
ARW 890
471457068353001

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.**REMARKS.**--Record lost Nov. 1 to Jan. 6 and Aug. 16 to Sep. 13 because of recorder malfunction.**PERIOD OF RECORD.**--July 1978 to current year.**REVISED RECORDS.**--WDR ME-84-1: 1980, 1981.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 6.96 ft below land-surface datum, Apr. 26, 1983; lowest measured, 16.97 ft below land-surface datum, Sept. 7, 1987.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.03	---	---	---	15.90	16.08	14.18	11.70	13.99	14.04	16.03	---
2	16.02	m14.55	---	---	15.85	16.17	14.24	11.95	13.45	14.23	16.01	---
3	16.00	---	---	---	15.81	16.25	14.29	12.21	13.37	14.41	16.04	---
4	16.00	---	---	---	15.89	16.32	14.23	12.46	13.66	14.61	16.07	---
5	16.01	---	---	---	15.95	16.30	14.23	12.67	13.87	14.76	16.10	---
6	16.06	---	---	m15.32	16.06	16.32	14.15	12.44	14.03	14.85	16.16	---
7	16.08	---	---	15.27	16.03	16.26	14.07	11.93	14.16	14.96	16.21	---
8	16.11	---	---	15.23	16.07	16.27	13.86	12.29	14.33	15.06	16.26	---
9	16.12	---	---	15.25	16.14	16.31	13.52	12.65	14.45	15.14	16.29	---
10	15.56	---	---	15.26	16.15	16.34	11.49	12.95	14.53	15.24	16.29	---
11	14.70	---	---	15.27	16.20	16.32	8.10	13.00	14.41	15.32	16.30	---
12	14.90	---	---	15.36	16.22	16.38	7.20	12.97	14.43	15.41	16.29	---
13	15.08	---	---	15.44	16.09	16.36	8.06	12.62	14.61	15.51	16.31	---
14	15.17	---	---	15.50	16.04	16.23	8.88	12.32	14.76	15.60	16.37	15.24
15	15.22	---	---	15.52	15.94	16.19	9.56	12.68	14.90	15.63	16.43	15.28
16	15.25	---	---	15.52	15.78	15.88	9.86	12.88	15.04	15.66	---	15.33
17	15.26	---	---	15.52	15.72	15.63	9.84	13.07	15.15	15.79	---	15.30
18	15.34	---	---	15.62	15.73	15.62	9.64	13.30	15.22	15.88	---	15.32
19	15.36	---	---	15.69	15.61	15.65	10.22	13.48	15.27	15.92	---	15.37
20	15.40	---	---	15.70	15.60	15.74	10.69	13.67	15.36	15.92	---	15.43
21	15.42	---	---	15.73	15.74	15.82	10.79	13.82	15.36	15.92	---	15.50
22	15.36	---	---	15.71	15.83	15.88	10.00	13.97	15.11	15.97	---	15.59
23	15.25	m15.30	---	15.68	15.86	15.91	8.35	14.09	12.62	16.03	---	15.59
24	15.23	---	m15.50	15.68	15.80	15.96	8.33	14.23	12.11	16.11	---	15.63
25	15.21	---	---	15.67	15.83	15.90	9.02	14.24	12.86	16.17	---	15.71
26	14.75	---	---	15.75	15.89	15.72	9.24	14.10	13.29	16.19	---	15.77
27	13.95	---	---	15.68	15.98	15.54	9.98	14.14	13.58	16.21	---	15.71
28	13.88	---	---	15.70	16.05	15.30	10.72	14.32	13.84	16.25	---	15.50
29	14.09	---	---	15.75	---	15.15	11.16	14.39	14.02	16.28	---	15.44
30	14.28	---	---	15.80	---	14.83	11.45	13.91	14.11	16.26	---	15.53
31	14.41	---	---	15.85	---	14.30	---	13.87	---	16.17	---	---
LOW	16.12	---	---	---	16.22	16.38	14.29	14.39	15.36	16.28	---	---
HIGH	13.88	---	---	---	15.60	14.30	7.20	11.70	12.11	14.04	---	---
WTR YR 1993	HIGH 7.20 APR 12 LOW 16.43 AUG 15											
m	Measured											

ARW 891
463642069344601

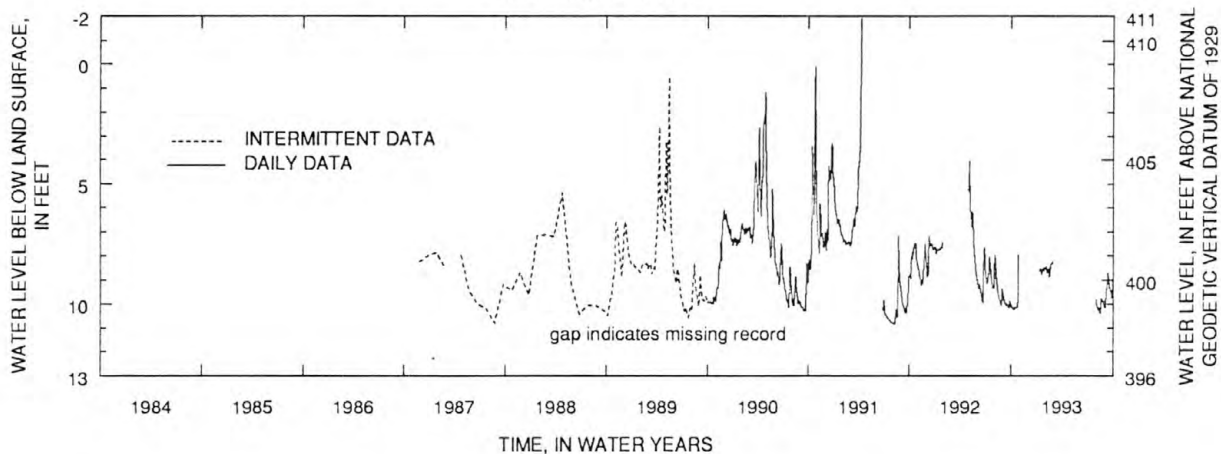
AROOSTOOK COUNTY--Continued

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.**INSTRUMENTATION**--Digital water-level recorder--60-minute punch, Oct. 1 - Aug. 1. Electronic water-level recorder Aug. 2 - Sept. 30. --Daily-mean values stored based on 24 hourly measurements after Aug.2.**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.**REMARKS**--Records lost Oct. 27 to Jan. 11 and Mar. 1 to Aug. 2 because of recorder malfunction.**PERIOD OF RECORD**--Nov. 1986 to current year.**REVISED RECORDS**--Records for 1992 have been revised and are available in the files of the Geological Survey.**EXTREMES FOR PERIOD OF RECORD**--Highest water level measured, 1.92 ft above land-surface datum, Apr. 10, 1991; lowest measured, 10.96 ft below land-surface datum, Sept. 8,9, 1987.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.06	---	---	---	8.48	---	---	---	---	---	---	10.11
2	10.10	---	---	---	8.48	---	---	---	---	---	m9.78	10.14
3	10.11	---	---	---	8.47	---	---	---	---	---	9.99	10.11
4	10.12	---	---	---	8.46	---	---	---	---	---	10.06	10.00
5	10.12	---	---	---	8.45	---	---	---	---	---	10.11	9.80
6	10.14	---	---	---	8.50	---	---	m7.06	---	---	10.14	9.75
7	10.17	---	---	---	8.65	---	---	---	---	---	10.15	9.53
8	10.18	---	---	---	8.69	m8.64	---	---	---	---	10.19	9.22
9	10.21	---	---	---	8.63	---	---	---	---	---	10.22	9.11
10	10.21	---	---	---	8.58	---	---	---	---	---	10.13	9.13
11	10.21	---	---	m8.64	8.58	---	---	---	---	---	10.17	9.02
12	10.20	---	---	8.61	8.57	---	---	---	---	---	10.20	8.75
13	10.18	---	---	8.51	8.56	---	---	---	---	---	10.27	8.70
14	10.15	---	---	8.52	8.67	---	---	---	---	---	10.32	8.79
15	10.13	---	---	8.52	8.84	---	---	---	---	---	10.35	8.92
16	10.12	---	---	8.55	8.81	---	---	---	---	---	10.38	9.08
17	10.12	---	---	8.63	8.61	---	---	---	---	---	10.36	9.18
18	10.11	---	---	8.75	8.43	---	---	---	---	---	10.00	9.24
19	10.11	---	---	8.66	8.37	---	---	---	---	---	9.79	9.30
20	10.11	---	---	8.60	8.34	---	---	---	---	---	9.75	9.36
21	10.13	---	---	8.59	8.34	---	---	---	---	---	9.75	9.41
22	10.13	m9.46	---	8.60	8.32	---	---	---	---	---	9.78	9.48
23	10.09	---	---	8.56	8.32	---	---	---	---	---	9.82	9.52
24	9.99	---	---	8.53	8.32	m8.46	---	---	---	---	9.87	9.58
25	9.86	---	---	8.50	8.31	---	---	---	---	---	9.89	9.66
26	9.40	---	---	8.51	8.26	---	---	---	---	---	9.89	9.71
27	m7.94	---	---	8.59	8.24	---	---	---	---	---	9.89	9.71
28	---	---	---	8.51	8.24	---	---	---	---	m9.94	9.91	9.59
29	---	---	m9.46	8.47	---	---	---	---	---	---	9.98	9.26
30	---	---	---	8.48	---	---	---	---	---	---	10.05	8.95
31	---	---	---	8.49	---	---	---	---	---	---	10.09	---
LOW	---	---	---	---	8.84	---	---	---	---	---	---	10.14
HIGH	---	---	---	---	8.24	---	---	---	---	---	---	8.70
WTR YR 1993	HIGH 7.06 MAY 6 LOW 10.38 AUG 16											

m Measured

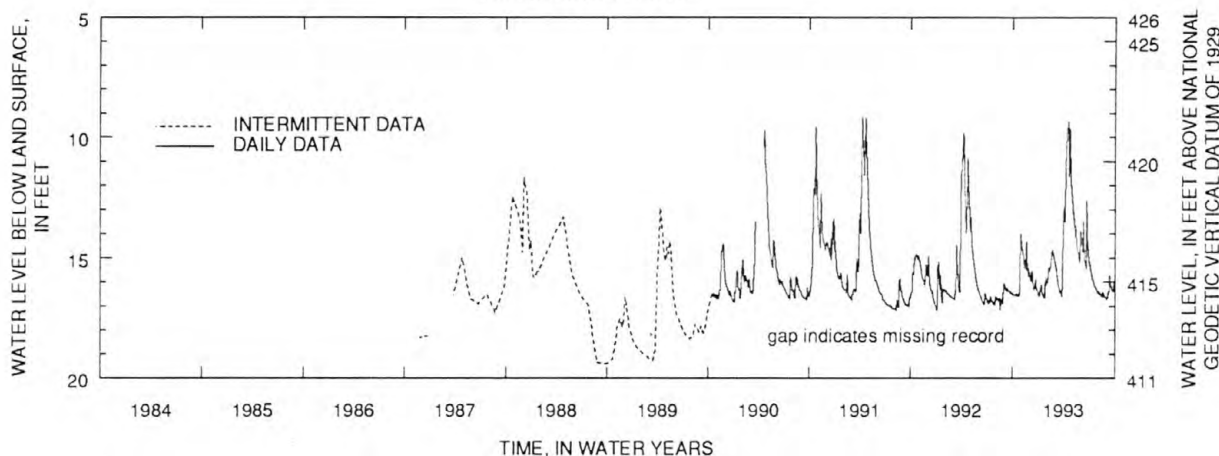
ARW 895
464234068010401

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.**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 measured, 9.16 ft below land-surface datum, Apr. 10, 1991; lowest measured, 19.38 ft below land-surface datum, Oct. 1-3, 1988.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.52	14.37	15.80	16.55	16.03	15.15	12.99	12.46	14.52	14.97	16.43	16.68
2	16.53	14.52	15.83	16.56	16.02	15.20	12.89	12.61	13.85	15.14	16.46	16.70
3	16.53	14.64	15.87	16.56	15.96	15.26	13.13	12.83	14.00	15.25	16.48	16.69
4	16.54	14.68	15.91	16.57	15.75	15.32	13.41	13.02	14.14	15.25	16.50	16.65
5	16.55	14.63	15.95	16.54	15.51	15.41	13.50	13.15	14.25	15.32	16.41	16.64
6	16.56	14.67	15.61	16.34	15.40	15.50	13.31	13.14	14.37	15.41	16.45	16.64
7	16.56	14.76	15.79	16.37	15.49	15.63	12.59	13.26	14.49	15.45	16.49	16.43
8	16.56	14.96	15.72	16.36	15.54	15.80	11.67	13.47	14.61	15.51	16.52	16.43
9	16.56	15.15	15.52	16.30	15.54	15.88	11.11	13.64	14.75	15.57	16.53	16.49
10	16.56	15.32	15.53	16.16	15.51	15.90	10.62	13.84	14.66	15.63	16.48	16.28
11	16.55	15.39	15.68	16.10	15.43	15.96	10.22	14.00	13.48	15.70	16.51	15.72
12	16.50	15.41	15.97	16.19	15.41	16.07	10.07	14.13	14.22	15.76	16.52	15.77
13	16.50	15.22	16.14	16.28	15.40	16.14	9.92	13.66	14.57	15.81	16.54	15.92
14	16.50	15.07	16.23	16.37	15.30	16.21	9.61	13.68	14.78	15.87	16.56	16.01
15	16.52	15.18	16.27	16.43	15.15	16.29	9.62	13.97	14.95	15.92	16.57	16.11
16	16.54	15.28	16.29	16.47	14.98	16.36	9.72	14.13	15.07	15.92	16.58	16.14
17	16.53	15.38	16.27	16.53	14.82	16.39	9.63	14.27	15.16	15.93	16.59	16.19
18	16.54	15.48	16.23	16.61	14.72	16.37	9.36	14.41	15.25	15.99	16.41	16.24
19	16.55	14.38	16.21	16.64	14.71	16.39	10.31	14.53	15.31	16.09	16.43	16.21
20	16.57	14.34	16.21	16.62	14.69	16.45	11.16	14.63	15.39	16.14	16.47	16.24
21	16.57	15.06	16.16	16.62	14.73	16.48	11.61	14.68	15.44	16.17	16.50	16.32
22	16.57	15.35	15.87	16.65	14.77	16.47	11.31	14.71	15.30	16.20	16.54	16.35
23	16.55	15.49	16.08	16.65	14.84	16.49	9.64	14.80	12.64	16.20	16.56	16.37
24	16.55	15.62	16.21	16.59	14.88	16.53	9.78	14.88	13.61	16.20	16.59	16.37
25	16.44	15.71	16.22	16.09	14.92	16.59	10.64	14.96	14.19	16.24	16.60	16.38
26	15.51	15.75	16.26	15.82	15.01	16.57	11.08	15.00	14.42	16.29	16.61	16.40
27	14.24	15.43	16.36	16.05	15.07	16.07	11.48	15.08	14.52	16.34	16.63	16.33
28	14.10	15.51	16.37	16.13	15.13	14.99	11.90	15.16	14.74	16.34	16.64	16.10
29	14.01	15.65	16.45	16.06	---	14.15	12.13	15.02	14.89	16.35	16.66	15.94
30	14.07	15.74	16.51	15.96	---	13.34	12.32	13.94	14.96	16.37	16.69	15.96
31	14.22	---	16.53	15.95	---	13.15	---	14.36	---	16.41	16.69	---
LOW	16.57	15.75	16.53	16.65	16.03	16.59	13.50	15.16	15.44	16.41	16.69	16.70
HIGH	14.01	14.34	15.52	15.82	14.69	13.15	9.36	12.46	12.64	14.97	16.41	15.72
WTR YR 1993	HIGH 9.36 APR 18 LOW 16.70 SEP 2											

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.

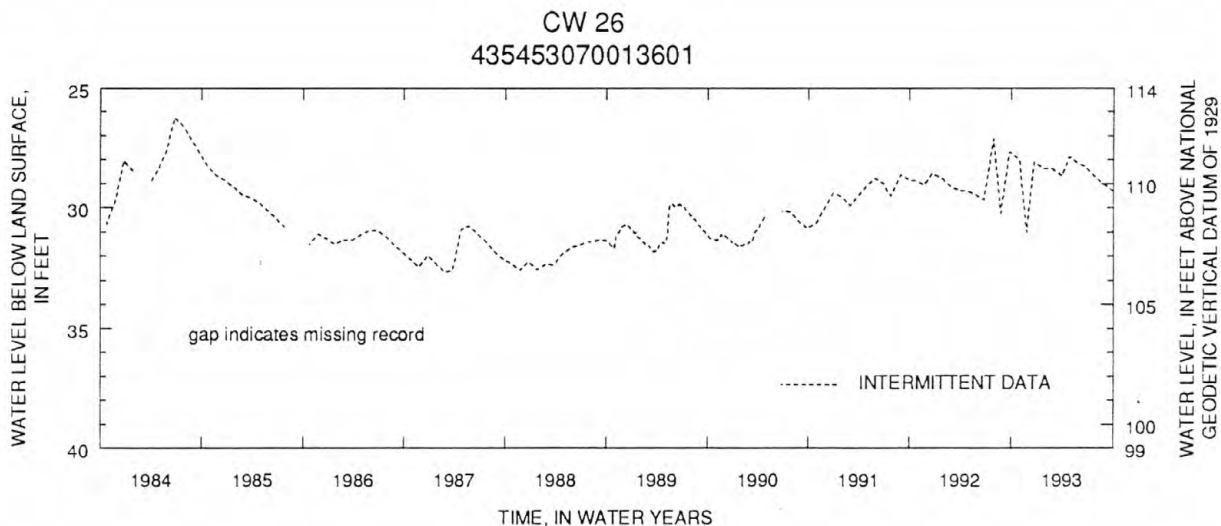
PERIOD OF RECORD.--Apr. 1958 to current year.

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 1992 TO SEPTEMBER 1993**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	28.00	JAN 29	28.37	APR 28	27.87	JUL 16	28.55	SEP 28	29.29
NOV 25	28.07	FEB 24	28.37	MAY 26	28.15	23	28.65		
DEC 21	28.10	MAR 31	28.67	JUN 21	28.27	AUG 27	29.02		
WTR YR 1993 HIGH 27.87 APR 28 LOW 29.29 SEP 28									



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 June 24 to July 22 because of recorder malfunction.

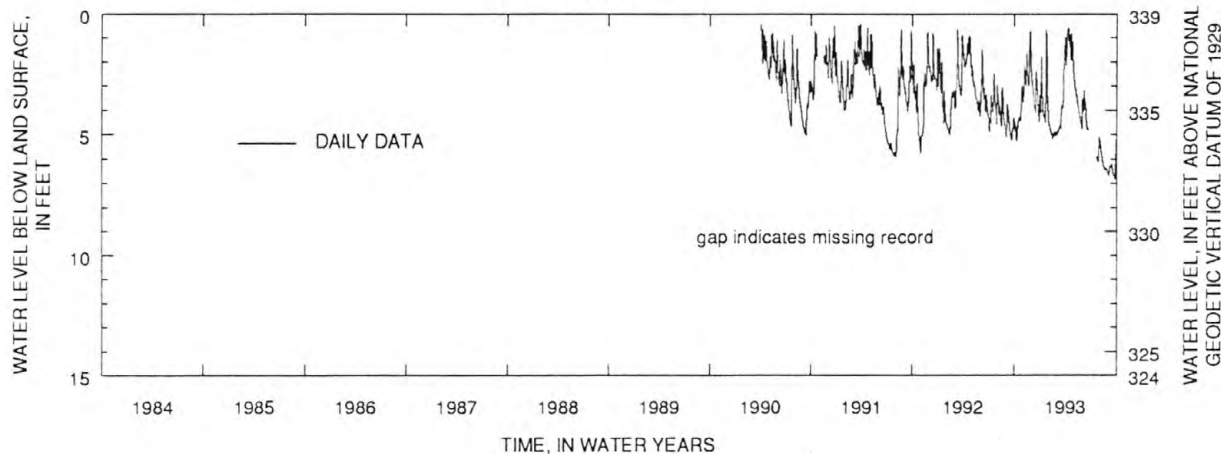
PERIOD OF RECORD.--Nov. 1989 to current year.

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

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.45	3.55	2.49	3.45	4.45	4.92	1.13	2.53	4.42	---	5.13	6.60
2	4.52	3.64	2.61	3.70	4.62	4.92	1.70	2.70	3.56	---	5.13	6.62
3	4.58	3.16	2.71	4.09	4.61	4.95	2.08	2.86	3.66	---	5.19	6.64
4	4.69	2.49	2.85	3.95	4.67	4.94	2.10	2.95	3.85	---	5.28	6.58
5	4.80	2.44	2.91	1.82	4.67	4.87	1.50	3.03	4.03	---	5.38	6.47
6	4.87	2.17	3.14	2.37	4.76	4.83	1.16	3.03	3.82	---	5.46	6.37
7	4.98	2.16	3.24	2.81	4.75	4.83	.85	3.10	3.20	---	5.55	6.29
8	5.13	2.60	3.42	3.00	4.80	4.80	.73	3.21	3.50	---	5.67	6.27
9	5.25	2.81	3.63	3.28	4.91	4.78	.65	3.35	3.70	---	5.77	6.28
10	5.24	2.96	3.78	3.66	4.95	4.74	.56	3.45	3.49	---	5.87	6.29
11	5.05	2.92	3.84	3.97	5.02	4.68	.59	3.39	3.66	---	5.95	6.27
12	4.81	2.81	3.90	4.13	5.02	4.69	.62	3.37	3.68	---	6.05	6.22
13	4.60	2.04	3.98	4.16	4.94	4.62	.84	3.49	3.87	---	6.12	6.18
14	4.45	1.66	3.97	4.24	5.08	4.58	1.00	3.62	4.03	---	6.17	6.19
15	4.45	2.20	4.04	4.24	5.14	4.73	1.20	3.73	4.23	---	6.22	6.24
16	4.42	2.47	4.09	4.25	5.08	4.66	1.22	3.82	4.38	m5.75	6.26	6.36
17	4.35	2.67	2.97	4.22	5.00	4.50	.89	3.92	4.52	---	6.30	6.45
18	4.31	2.74	2.41	4.34	5.03	3.84	1.20	4.02	4.64	---	6.35	6.53
19	4.30	2.78	2.80	4.37	5.01	3.82	1.51	4.05	4.74	---	6.39	6.58
20	4.34	2.90	2.78	4.41	4.98	3.82	1.75	4.08	4.79	---	6.41	6.63
21	4.39	2.96	3.01	4.49	4.98	3.84	1.90	4.07	4.81	---	6.43	6.65
22	4.41	2.86	3.28	3.00	4.90	3.88	1.44	4.17	4.72	m5.91	6.37	6.68
23	4.40	1.89	3.47	.70	4.92	3.82	.83	4.25	4.80	5.93	6.35	6.70
24	4.32	.80	3.67	.94	4.95	3.67	1.49	4.34	---	5.96	6.38	6.74
25	3.76	.77	3.89	1.10	5.01	3.57	1.92	4.34	m5.04	6.00	6.43	6.78
26	3.08	.79	4.11	2.44	5.00	2.66	1.78	4.40	---	6.05	6.44	6.80
27	3.00	.73	4.31	2.78	5.00	1.93	1.18	4.46	---	6.09	6.44	6.16
28	3.19	1.22	4.45	3.29	4.95	1.45	1.76	4.50	---	6.08	6.47	6.16
29	3.32	1.84	4.37	3.57	---	1.20	2.12	4.56	---	5.97	6.51	5.40
30	3.40	2.34	3.46	3.87	---	1.00	2.37	4.65	---	5.73	6.54	5.21
31	3.46	---	3.40	4.15	---	.96	---	4.75	---	5.33	6.57	---
LOW	5.25	3.64	4.45	4.49	5.14	4.95	2.37	4.75	---	---	6.57	6.80
HIGH	3.00	.73	2.41	.70	4.45	.96	.56	2.53	---	---	5.13	5.21
WTR YR 1993	HIGH .56 APR 10 LOW 6.80 SEP 26											

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.

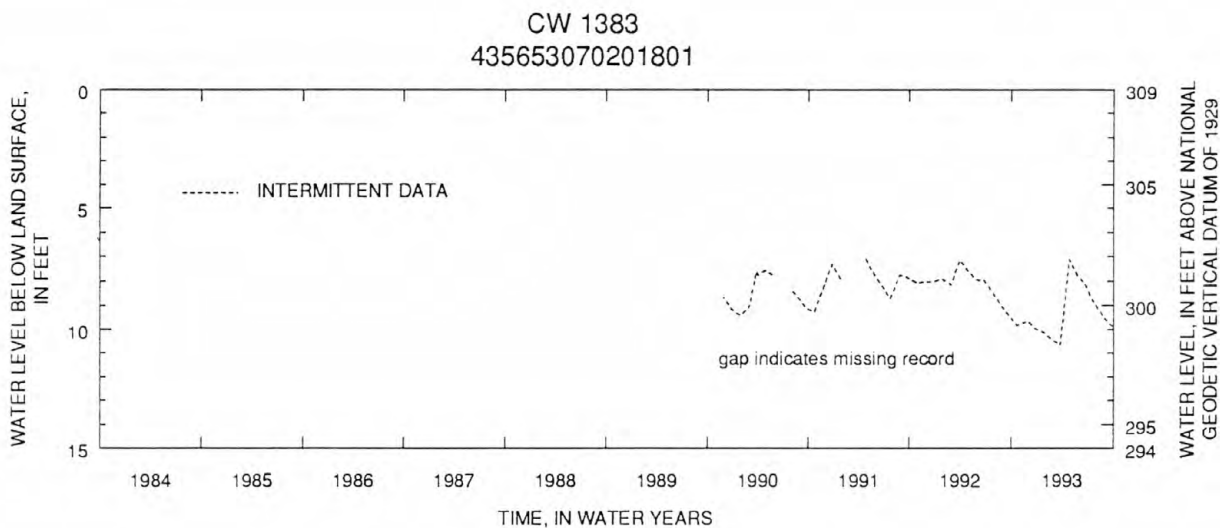
PERIOD OF RECORD.--Nov. 1989 to current year. Records prior to Nov. 1989 have not been published, but are available in the files of the Geological Survey.

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 1992 TO SEPTEMBER 1993**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	9.83	JAN 26	10.14	APR 27	7.11	JUL 16	8.71	SEP 29	9.90
NOV 30	9.65	FEB 23	10.43	MAY 27	7.79	22	8.82		
DEC 23	9.94	MAR 26	10.65	JUN 25	8.17	AUG 25	9.43		

WTR YR 1993 HIGH 7.11 APR 27 LOW 10.65 MAR 26

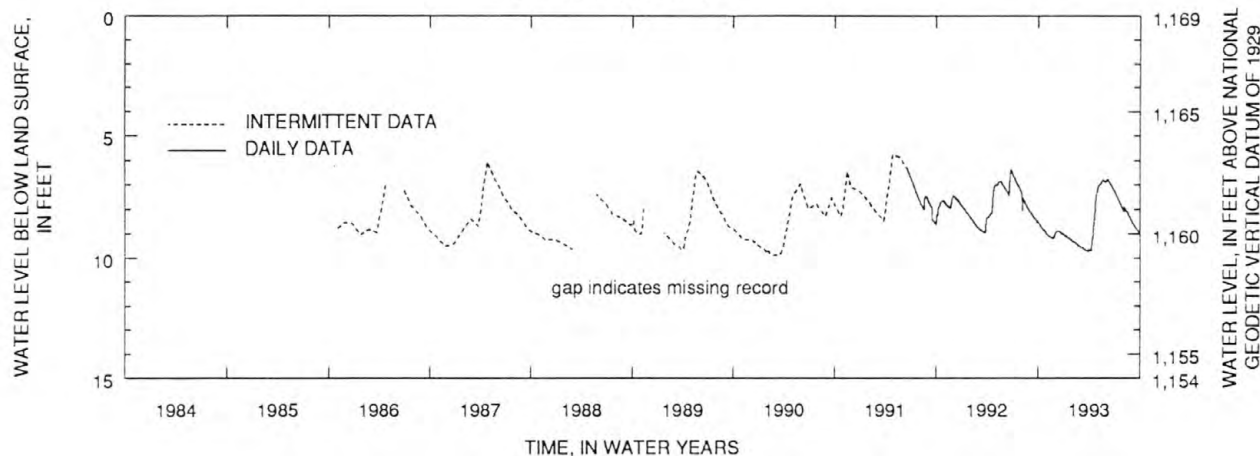


FRANKLIN COUNTY

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.**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 Geological Survey.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 5.75 ft below land-surface datum, Apr. 29, 1991; lowest measured, 9.99 ft below land-surface datum, Feb. 11, 1987.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.52	8.96	8.99	9.03	9.29	9.52	9.66	7.21	6.86	7.25	8.00	8.46
2	8.52	8.99	8.96	9.03	9.30	9.53	9.65	7.16	6.85	7.29	8.02	8.48
3	8.54	9.01	8.94	9.03	9.30	9.54	9.65	7.12	6.82	7.29	8.05	8.49
4	8.56	9.01	8.93	9.04	9.31	9.54	9.66	7.09	6.79	7.31	8.08	8.52
5	8.57	9.03	8.91	9.05	9.32	9.54	9.69	7.06	6.79	7.33	7.90	8.55
6	8.59	9.03	8.90	9.06	9.32	9.55	9.69	7.02	6.78	7.36	7.92	8.57
7	8.60	9.04	8.89	9.06	9.32	9.55	9.69	7.02	6.78	7.38	7.94	8.59
8	8.61	9.06	8.89	9.06	9.33	9.55	9.68	7.01	6.78	7.41	7.95	8.60
9	8.63	9.07	8.89	9.09	9.33	9.56	9.67	7.00	6.78	7.44	7.97	8.61
10	8.65	9.09	8.87	9.10	9.34	9.56	9.64	6.99	6.79	7.46	8.00	8.63
11	8.66	9.09	8.87	9.10	9.36	9.59	9.54	6.97	6.81	7.48	8.03	8.65
12	8.68	9.09	8.87	9.12	9.37	9.60	9.36	6.96	6.86	7.50	8.05	8.67
13	8.69	9.09	8.88	9.12	9.37	9.60	9.24	6.96	6.87	7.53	8.07	8.68
14	8.73	9.11	8.89	9.13	9.38	9.61	9.17	6.93	6.89	7.57	8.08	8.71
15	8.74	9.11	8.88	9.14	9.39	9.62	9.11	6.89	6.91	7.59	8.09	8.73
16	8.75	9.11	8.88	9.15	9.40	9.64	9.05	6.87	6.94	7.61	8.10	8.76
17	8.77	9.11	8.88	9.15	9.41	9.64	8.93	6.85	6.98	7.64	8.12	8.77
18	8.78	9.12	8.90	9.16	9.44	9.65	8.70	6.84	6.99	7.66	8.14	8.78
19	8.80	9.14	8.92	9.17	9.45	9.67	8.58	6.82	7.00	7.69	8.17	8.80
20	8.81	9.15	8.92	9.18	9.45	9.67	8.46	6.81	7.03	7.72	8.21	8.81
21	8.83	9.16	8.94	9.19	9.46	9.67	8.35	6.80	7.04	7.75	8.23	8.82
22	8.84	9.17	8.95	9.19	9.46	9.68	8.20	6.82	7.05	7.77	8.25	8.84
23	8.84	9.16	8.95	9.19	9.46	9.69	8.02	6.83	7.07	7.79	8.26	8.85
24	8.84	9.15	8.95	9.20	9.49	9.69	7.84	6.83	7.11	7.82	8.28	8.87
25	8.86	9.14	8.96	9.22	9.50	9.69	7.70	6.84	7.14	7.84	8.30	8.90
26	8.87	9.14	8.97	9.24	9.50	9.69	7.57	6.86	7.14	7.87	8.32	8.93
27	8.89	9.12	8.99	9.24	9.51	9.70	7.46	6.86	7.16	7.89	8.36	8.94
28	8.91	9.11	8.99	9.26	9.51	9.71	7.38	6.86	7.18	7.92	8.38	8.96
29	8.91	9.08	8.99	9.27	---	9.71	7.31	6.86	7.20	7.93	8.41	8.98
30	8.93	9.03	9.00	9.28	---	9.71	7.26	6.87	7.22	7.95	8.42	9.00
31	8.95	---	9.02	9.29	---	9.69	---	6.87	---	7.98	8.44	---
LOW	8.95	9.17	9.02	9.29	9.51	9.71	9.69	7.21	7.22	7.98	8.44	9.00
HIGH	8.52	8.96	8.87	9.03	9.29	9.52	7.26	6.80	6.78	7.25	7.90	8.46
WTR YR 1993	HIGH 6.78 JUN 6-9 LOW 9.71 MAR 28-30											

FW 893
451128070280301

FRANKLIN COUNTY--Continued

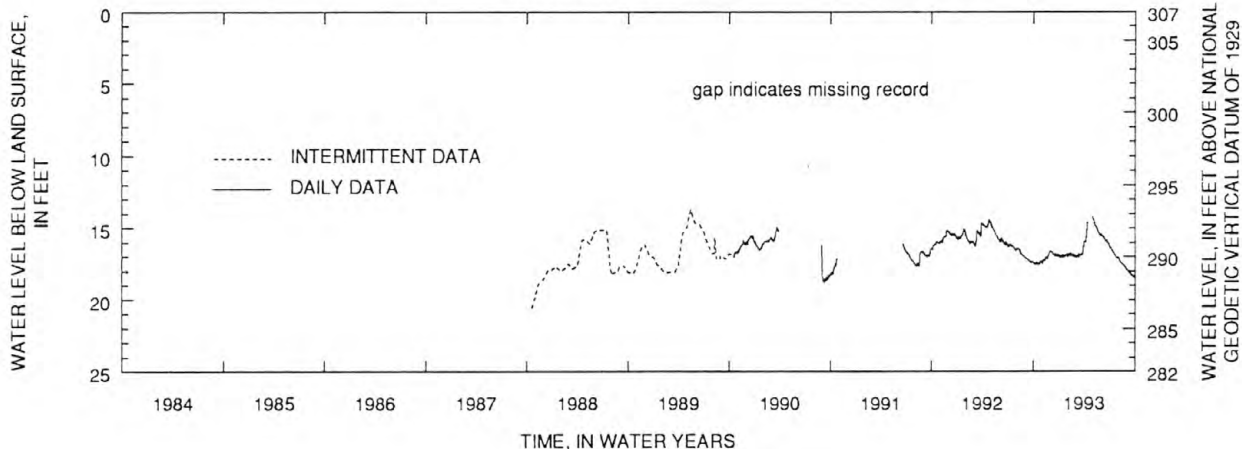
443831070002601. Local number, FW 901.

LOCATION.--Lat 44°38'31", long 70°00'26", Hydrologic Unit 01030003, about 0.5 mi northeast of New Sharon.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.**WELL CHARACTERISTICS.**--Wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 37 feet, screened 25 to 35 feet, screen slot size 0.006 in.**INSTRUMENTATION.**--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.**DATUM.**--Elevation of land-surface datum is 307 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.13 ft above land-surface datum.**REMARKS.**--Records from Apr. 17 to May 2 are under review.**PERIOD OF RECORD.**--Oct. 1987 to current year.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 13.69 ft below land-surface datum, May 14, 1989; lowest measured, 20.64 ft below land-surface datum, Oct. 18, 1987.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.37	17.40	16.60	16.87	16.89	16.96	16.09	---	15.54	16.24	17.04	17.87
2	17.37	17.40	16.61	16.91	16.96	16.94	15.97	---	15.48	16.29	17.05	17.91
3	17.38	17.41	16.60	16.97	16.90	16.97	15.93	14.20	15.43	16.31	17.07	17.92
4	17.43	17.34	16.63	17.04	16.84	17.00	15.93	14.29	15.47	16.32	17.14	17.91
5	17.46	17.24	16.62	16.96	16.81	17.01	15.95	14.37	15.52	16.36	17.18	17.95
6	17.50	17.20	16.63	16.98	16.81	16.95	15.95	14.43	15.55	16.39	17.20	17.99
7	17.51	17.21	16.65	16.98	16.78	16.93	15.90	14.50	15.55	16.41	17.25	18.02
8	17.53	17.22	16.68	16.95	16.76	16.93	15.82	14.60	15.57	16.45	17.29	18.03
9	17.53	17.25	16.73	16.95	16.80	16.93	15.75	14.67	15.61	16.50	17.34	18.03
10	17.53	17.26	16.78	16.92	16.80	16.95	15.62	14.75	15.60	16.52	17.39	18.02
11	17.50	17.22	16.81	16.91	16.85	16.94	15.33	14.79	15.61	16.55	17.41	18.03
12	17.44	17.19	16.81	16.96	16.88	16.95	14.90	14.83	15.66	16.58	17.41	18.09
13	17.40	17.10	16.86	17.04	16.76	16.98	14.67	14.84	15.72	16.62	17.41	18.12
14	17.42	17.01	16.88	17.04	16.73	16.79	14.60	14.85	15.74	16.66	17.44	18.14
15	17.45	16.99	16.87	17.02	16.83	16.84	14.60	14.89	15.77	16.68	17.46	18.14
16	17.45	17.00	16.88	16.97	16.89	16.90	14.58	14.93	15.81	16.71	17.49	18.20
17	17.43	17.02	16.87	16.91	16.79	16.89	---	15.00	15.85	16.75	17.52	18.26
18	17.46	17.03	16.84	16.92	16.83	16.88	---	15.07	15.86	16.80	17.53	18.23
19	17.46	17.09	16.87	16.93	16.87	16.91	---	15.10	15.88	16.83	17.53	18.22
20	17.48	17.08	16.81	16.92	16.88	16.90	---	15.14	15.90	16.85	17.54	18.29
21	17.51	17.07	16.84	16.95	16.90	16.87	---	15.18	15.90	16.86	17.56	18.33
22	17.53	16.98	16.87	16.98	16.87	16.86	---	15.24	15.87	16.88	17.61	18.36
23	17.53	16.94	16.86	16.90	16.85	16.87	---	15.28	15.88	16.91	17.65	18.36
24	17.48	16.91	16.84	16.89	16.86	16.87	---	15.33	15.96	16.96	17.67	18.36
25	17.43	16.87	16.88	16.86	16.91	16.87	---	15.34	16.02	17.01	17.68	18.38
26	17.34	16.83	16.85	16.87	16.96	16.82	---	15.35	16.03	17.06	17.70	18.40
27	17.31	16.71	16.84	16.84	16.99	16.78	---	15.37	16.05	17.06	17.71	18.37
28	17.32	16.67	16.85	16.81	16.99	16.71	---	15.45	16.08	17.06	17.72	18.32
29	17.34	16.63	16.92	16.84	---	16.57	---	15.47	16.11	17.06	17.76	18.31
30	17.35	16.59	16.91	16.83	---	16.34	---	15.50	16.16	17.01	17.83	18.33
31	17.37	---	16.88	16.79	---	16.18	---	15.54	---	17.02	17.85	---
LOW	17.53	17.41	16.92	17.04	16.99	17.01	16.09	15.54	16.16	17.06	17.85	18.40
HIGH	17.31	16.59	16.60	16.79	16.73	16.18	14.58	14.20	15.43	16.24	17.04	17.87
WTR YR 1993	HIGH 14.20 MAY 3 LOW 18.40 SEP 26											

FW 901
443831070002601

FRANKLIN COUNTY--Continued

450539070301301. Local number, FW 908.

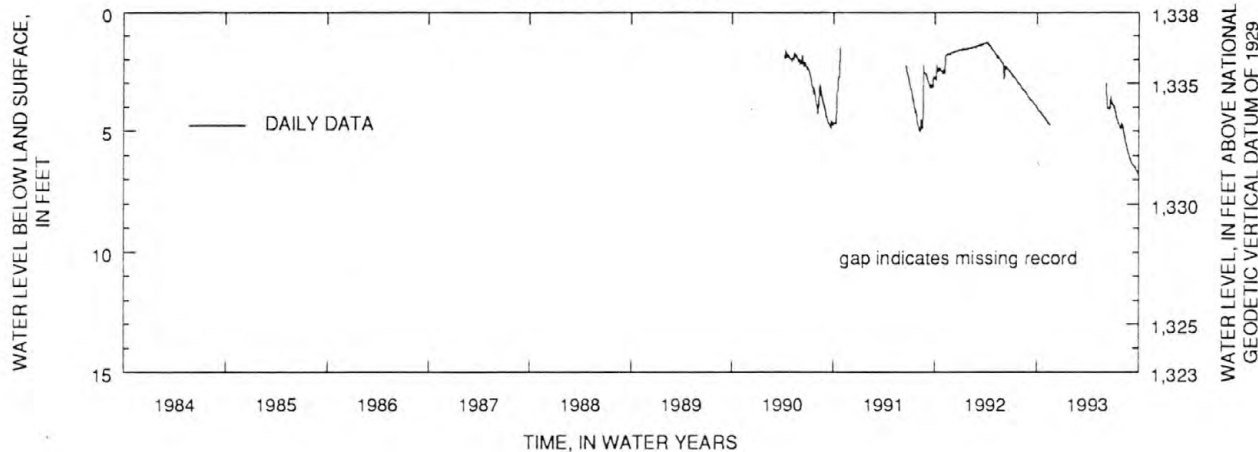
LOCATION.--Lat 45°05'39", long 70°30'13", Hydrologic Unit 01030002, about 4.3 mi southwest of Stratton.

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, 3.20 ft above land-surface datum.**REMARKS.**--Records lost Nov. 20 to June 6 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 measured, 6.81 ft below land-surface datum, Sep. 30, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.01	4.48	---	---	---	---	---	---	---	3.91	4.68	6.18
2	4.03	4.49	---	---	---	---	---	---	---	3.95	4.71	6.21
3	4.06	4.51	---	---	---	---	---	---	---	3.94	4.76	6.21
4	4.09	4.53	---	---	---	---	---	---	---	3.95	4.81	6.26
5	4.10	4.55	---	---	---	---	---	---	---	3.99	4.86	6.29
6	4.12	4.57	---	---	---	---	---	---	---	4.04	4.91	6.33
7	4.13	4.59	---	---	---	---	---	---	---	4.10	4.99	6.35
8	4.13	4.62	---	---	---	---	---	---	4.04	4.15	5.05	6.35
9	4.14	4.65	---	---	---	---	---	---	4.03	4.19	5.11	6.37
10	4.15	4.66	---	---	---	---	---	---	3.99	4.25	5.17	6.38
11	4.17	4.65	---	---	---	---	---	---	4.00	4.31	5.23	6.39
12	4.18	4.67	---	---	---	---	---	---	4.02	4.37	5.29	6.41
13	4.19	4.68	---	---	---	---	---	---	4.04	4.42	5.35	6.41
14	4.20	4.69	---	---	---	---	---	---	4.06	4.48	5.41	6.43
15	4.21	4.70	---	---	---	---	---	---	4.08	4.51	5.45	6.45
16	4.23	4.72	---	---	---	---	---	---	4.08	4.53	5.51	6.48
17	4.25	4.74	---	---	---	---	---	---	4.09	4.56	5.56	6.48
18	4.26	4.75	---	---	---	---	---	---	4.07	4.61	5.61	6.45
19	4.28	4.76	---	---	---	---	---	m1.97	3.94	4.66	5.64	6.52
20	4.29	---	---	---	---	---	---	---	3.96	4.68	5.70	6.57
21	4.31	---	---	---	---	---	---	---	3.85	4.71	5.74	6.59
22	4.33	---	---	---	---	---	---	---	3.53	4.76	5.79	6.61
23	4.34	---	---	---	---	---	---	---	3.67	4.79	5.85	6.61
24	4.36	---	---	---	---	---	---	---	3.78	4.83	5.89	6.66
25	4.38	---	---	---	---	m5.58	---	---	3.82	4.85	5.92	6.68
26	4.39	---	---	m3.89	m5.17	---	---	---	3.82	4.87	5.95	6.69
27	4.41	---	---	---	---	---	m1.81	---	3.81	4.89	5.99	6.71
28	4.42	m3.38	m3.60	---	---	---	---	m1.92	3.85	4.88	6.02	6.74
29	4.43	---	---	---	---	---	---	---	3.88	4.82	6.07	6.79
30	4.45	---	---	---	---	---	---	---	3.89	4.74	6.11	6.81
31	4.46	---	---	---	---	---	---	---	---	4.66	6.12	---
LOW	4.46	---	---	---	---	---	---	---	---	4.89	6.12	6.81
HIGH	4.01	---	---	---	---	---	---	---	---	3.91	4.68	6.18
WTR YR 1993	HIGH 1.81 APR 27 LOW 6.81 SEP 30											

m Measured

FW 908
450539070301301

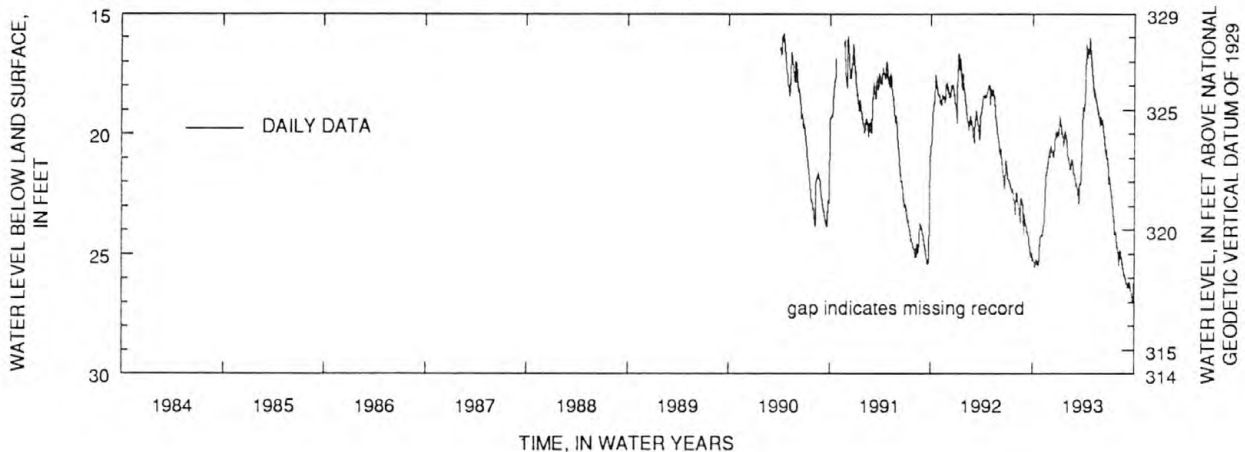
HANCOCK COUNTY

444950068220602. Local number, HW 1A.

LOCATION.--Lat 44°49'55", long 68°21'59", Hydrologic Unit 01050002, on State Highway 9, 0.25 mi west of the intersection with State Highway 181 in Amherst. Owner: U.S. Geological Survey.**AQUIFER.**--Glacial till of Pleistocene age.**WELL CHARACTERISTICS.**--Wash-bored unconfined observation well, diameter 2 in., depth 47 ft, screened depth 37 ft to 47 ft, screen slot size 0.006 in.**INSTRUMENTATION.**--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.**REMARKS.**--Records lost between July 22-26 because of recorder malfunction.**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 measured, 15.82 ft below land-surface datum, Apr. 17, 1990; lowest measured, 26.92 ft below land-surface datum, Sep. 25, 26, 1991.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.12	24.19	20.67	19.85	20.31	21.69	19.07	17.12	19.55	22.08	24.74	26.09
2	25.11	24.23	20.62	19.98	20.53	21.79	18.93	17.30	19.26	21.78	24.82	26.18
3	25.20	24.24	20.54	20.06	20.52	21.89	18.96	17.46	19.30	21.78	25.11	26.23
4	25.22	24.20	20.96	19.98	20.76	22.00	19.06	17.54	19.38	21.85	24.96	26.21
5	25.30	24.19	20.53	19.76	20.79	22.16	19.04	17.59	19.48	22.05	25.17	26.20
6	25.31	24.05	20.52	19.41	21.05	22.00	18.89	17.67	19.58	22.08	25.46	26.39
7	25.35	24.04	20.58	19.23	20.99	22.04	18.67	17.95	19.48	22.19	25.31	26.34
8	25.41	23.87	20.65	19.27	21.01	22.08	18.48	18.17	19.43	22.30	25.24	26.32
9	25.47	23.85	20.72	19.49	21.22	22.16	18.33	18.28	19.55	22.40	24.93	26.35
10	25.54	23.78	20.75	19.51	21.17	22.28	18.20	18.47	19.52	22.52	24.92	26.38
11	25.41	23.72	20.74	19.53	21.43	22.29	17.70	18.12	19.74	22.61	24.85	26.27
12	25.33	23.69	20.74	19.63	21.45	22.50	16.46	18.22	19.90	22.78	24.88	26.16
13	25.29	23.31	20.87	19.69	21.24	22.42	16.29	18.28	19.94	22.99	24.90	26.17
14	25.23	22.72	20.93	19.78	21.26	22.39	16.54	18.31	20.13	23.01	25.06	26.18
15	25.25	22.31	20.88	19.98	21.41	22.74	16.74	18.59	20.13	23.03	25.13	26.22
16	25.22	22.10	20.96	19.91	21.46	22.86	16.85	18.49	20.37	23.08	25.16	26.26
17	25.28	21.89	20.89	20.04	21.17	22.75	16.77	18.65	20.40	23.29	25.23	26.36
18	25.35	21.73	20.74	20.23	21.07	22.37	16.48	18.65	20.50	23.53	25.28	26.45
19	25.41	21.67	20.60	20.33	21.07	22.15	16.53	18.67	20.62	23.56	25.32	26.55
20	25.43	21.64	20.23	20.36	21.10	22.04	16.66	18.78	20.86	23.66	25.48	26.59
21	25.44	21.48	20.19	20.49	21.25	22.04	16.65	18.87	20.70	23.72	25.60	26.63
22	25.46	21.41	20.00	20.49	21.08	22.07	16.69	18.99	20.67	m24.17	25.59	26.69
23	25.41	21.40	19.91	20.25	21.21	22.07	16.27	19.00	21.03	---	25.68	26.74
24	25.35	21.41	19.89	20.16	21.35	21.90	16.08	19.16	20.89	---	25.81	26.84
25	25.25	21.28	19.91	19.93	21.49	21.72	16.01	19.13	20.97	---	25.73	26.92
26	24.80	21.17	19.90	19.98	21.59	21.41	16.28	19.16	20.96	m24.08	25.79	26.92
27	24.52	20.98	20.12	19.87	21.70	20.91	16.48	19.22	21.08	24.29	25.90	26.91
28	24.34	20.88	20.08	19.92	21.66	20.44	16.63	19.37	21.34	24.35	25.94	26.65
29	24.27	20.74	20.04	19.96	---	19.98	16.76	19.46	21.35	24.46	25.93	26.30
30	24.24	20.65	19.95	20.16	---	19.51	16.95	19.53	21.81	24.52	25.98	26.11
31	24.22	---	19.76	20.13	---	19.22	---	19.66	---	24.68	26.04	---
LOW	25.54	24.24	20.96	20.49	21.70	22.86	19.07	19.66	21.81	---	26.04	26.92
HIGH	24.22	20.65	19.76	19.23	20.31	19.22	16.01	17.12	19.26	---	24.74	26.09
WTR YR 1993	HIGH 16.01 APR 25 LOW 26.92 SEP 25,26											

m Measured

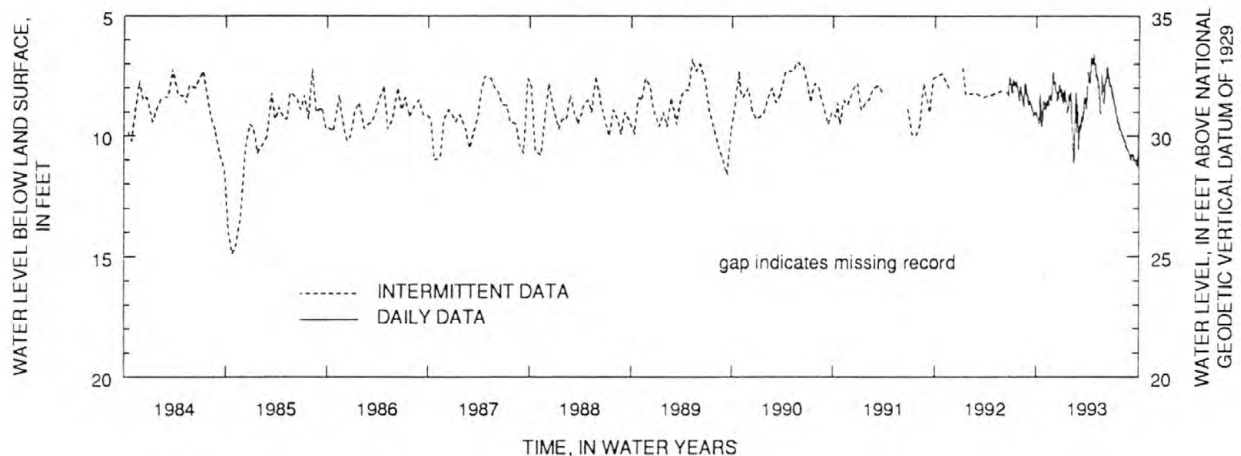
HW 1A
444950068220602

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.**REMARKS.**--Records lost May 18-20, and 25-29.**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 Geological Survey.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 6.58 ft below land-surface datum, Apr. 23, 1993; lowest measured, 14.90 ft below land-surface datum, Oct. 25, 1984.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.09	8.80	7.69	8.50	8.18	10.34	7.41	7.28	7.96	8.41	9.87	10.91
2	9.13	8.87	7.80	8.49	8.88	9.94	7.33	7.52	7.76	8.45	9.91	10.97
3	9.17	8.82	7.73	8.47	9.22	9.76	7.39	7.49	7.66	8.48	9.95	10.95
4	9.26	8.68	7.75	8.62	9.50	9.81	7.72	7.44	7.68	8.54	9.99	10.87
5	9.30	8.66	7.77	8.51	9.72	9.65	7.75	7.67	7.76	8.63	9.99	10.80
6	9.34	8.55	7.97	8.28	9.88	9.48	7.77	7.52	7.76	8.68	10.00	10.78
7	9.38	8.52	8.01	8.13	10.09	9.66	7.77	7.72	7.38	8.72	10.03	10.76
8	9.43	8.69	8.09	8.10	10.32	9.53	7.77	7.70	7.17	8.79	10.08	10.77
9	9.46	8.71	8.15	8.20	10.79	9.38	7.68	7.95	7.14	8.84	10.14	10.77
10	9.44	8.61	8.18	8.47	11.03	9.31	7.75	7.88	7.16	8.87	10.17	10.76
11	9.15	8.65	8.19	8.46	11.08	9.29	7.67	7.83	7.24	8.96	10.18	10.81
12	8.62	8.67	8.16	8.43	11.10	9.20	6.94	8.06	7.33	9.02	10.21	10.88
13	8.25	8.45	8.40	8.55	10.72	9.37	6.70	8.35	7.39	9.11	10.25	10.90
14	8.30	8.27	8.52	8.57	10.09	9.24	6.78	8.47	7.44	9.14	10.28	10.92
15	8.99	8.34	8.39	8.66	9.38	9.23	6.84	8.46	7.54	9.18	10.34	10.94
16	9.10	8.39	8.36	8.66	9.43	9.19	6.88	8.86	7.63	9.24	10.39	11.01
17	9.25	8.30	8.40	8.78	8.77	9.13	6.84	9.05	7.72	9.32	10.42	11.04
18	9.56	8.45	8.20	9.04	8.60	8.86	7.01	---	7.79	9.38	10.47	11.04
19	9.51	8.44	8.09	8.96	8.21	8.59	6.82	---	7.84	9.42	10.51	11.08
20	9.58	8.42	7.92	8.94	8.85	8.44	6.79	---	7.90	9.45	10.54	11.12
21	9.45	8.45	7.93	8.93	9.83	8.39	6.92	8.27	7.92	9.45	10.55	11.15
22	9.23	8.53	7.85	8.88	8.80	8.42	6.87	7.62	7.88	9.51	10.55	11.19
23	9.01	8.49	7.88	8.70	8.69	8.46	6.58	7.43	7.89	9.56	10.56	11.18
24	8.92	8.10	8.12	8.63	8.88	8.47	6.67	8.13	7.97	9.62	10.59	11.22
25	8.82	7.91	8.11	8.39	9.11	8.49	7.00	---	8.03	9.67	10.61	11.25
26	8.55	7.83	8.09	8.28	9.34	8.49	6.96	---	8.07	9.71	10.65	11.24
27	8.57	7.55	8.35	8.28	9.86	8.85	6.97	---	8.15	9.73	10.69	11.17
28	8.58	7.30	8.36	8.39	10.53	8.72	7.01	---	8.21	9.75	10.72	10.64
29	8.59	7.57	8.28	8.27	---	8.30	7.20	---	8.27	9.78	10.79	10.01
30	8.64	7.75	8.08	8.34	---	7.90	7.33	8.62	8.33	9.80	10.84	9.69
31	8.69	---	8.31	8.17	---	---	---	8.17	---	9.84	10.87	---
LOW	9.58	8.87	8.52	9.04	11.10	---	7.77	---	8.33	9.84	10.87	11.25
HIGH	8.25	7.30	7.69	8.10	8.18	---	6.58	---	7.14	8.41	9.87	9.69
WTR YR 1993	HIGH 6.58 APR 23 LOW 11.25 SEP 25											

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.

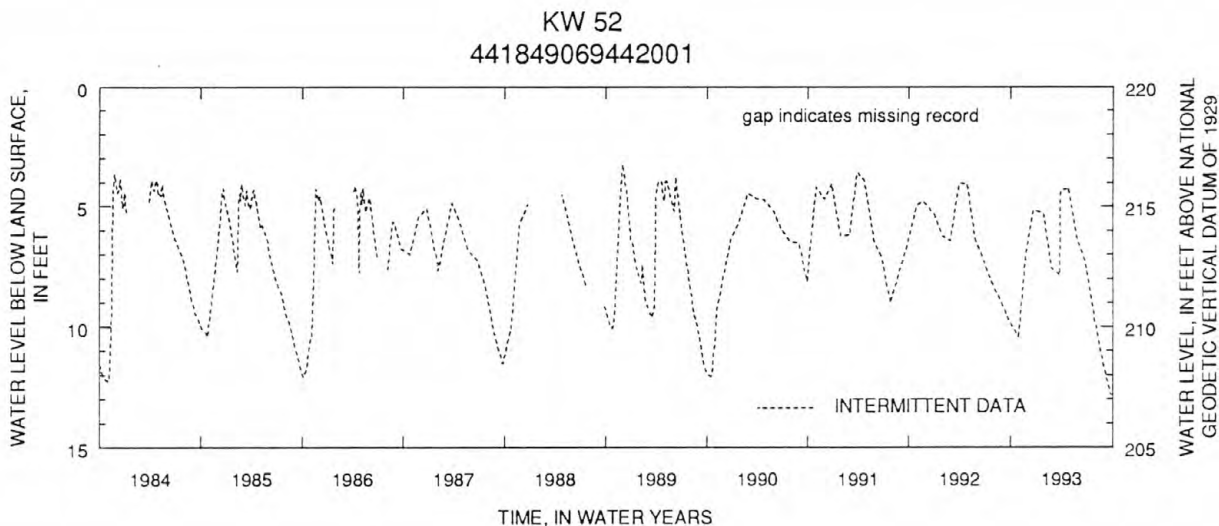
PERIOD OF RECORD.--Dec. 1960 to current year.

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 1992 TO SEPTEMBER 1993**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	10.41	JAN 27	5.27	MAR 29	4.31	JUN 25	7.25	AUG 27	11.47
NOV 23	7.03	FEB 23	7.54	APR 27	4.23	JUL 16	8.68	SEP 24	12.84
DEC 21	5.15	MAR 26	7.87	MAY 28	6.38	30	9.78		
WTR YR 1993 HIGH 4.23 APR 27 LOW 12.84 SEP 24									



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.

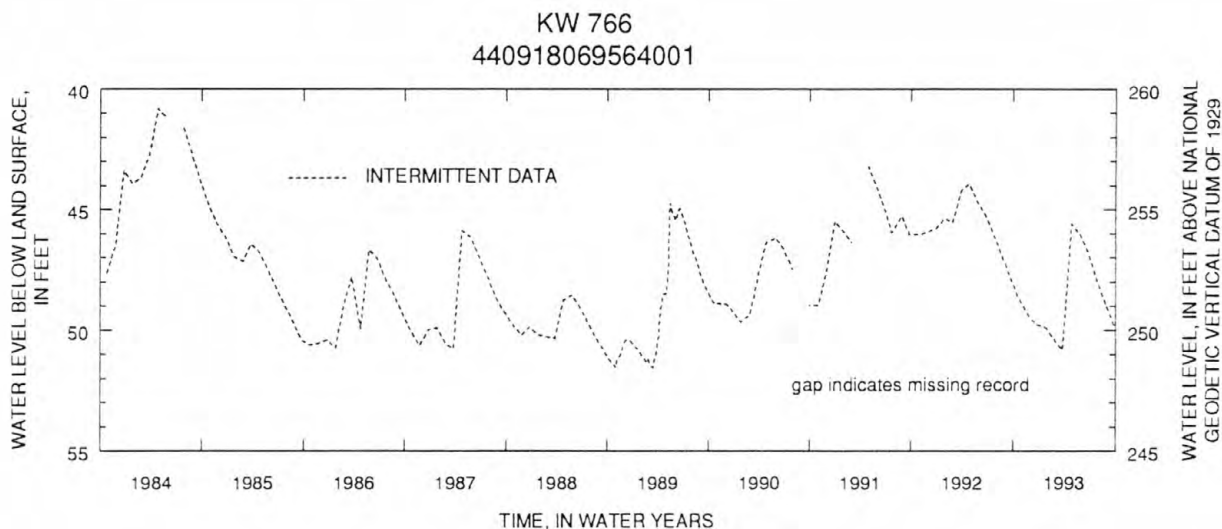
PERIOD OF RECORD.--June 1976 to current year.

REVISIONS.--Water levels, Oct. 1979 to Sept. 1981, were incorrectly reported from land surface. They should be referenced from land-surface datum.

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 1992 TO SEPTEMBER 1993**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	48.70	JAN 26	49.89	APR 27	45.58	JUL 16	47.49	SEP 29	49.90
NOV 23	49.33	FEB 23	50.36	MAY 28	46.03	22	47.74		
DEC 21	49.75	MAR 26	50.82	JUN 25	46.72	AUG 25	48.83		
WTR YR 1993 HIGH 45.58 APR 27 LOW 50.82 MAR 26									

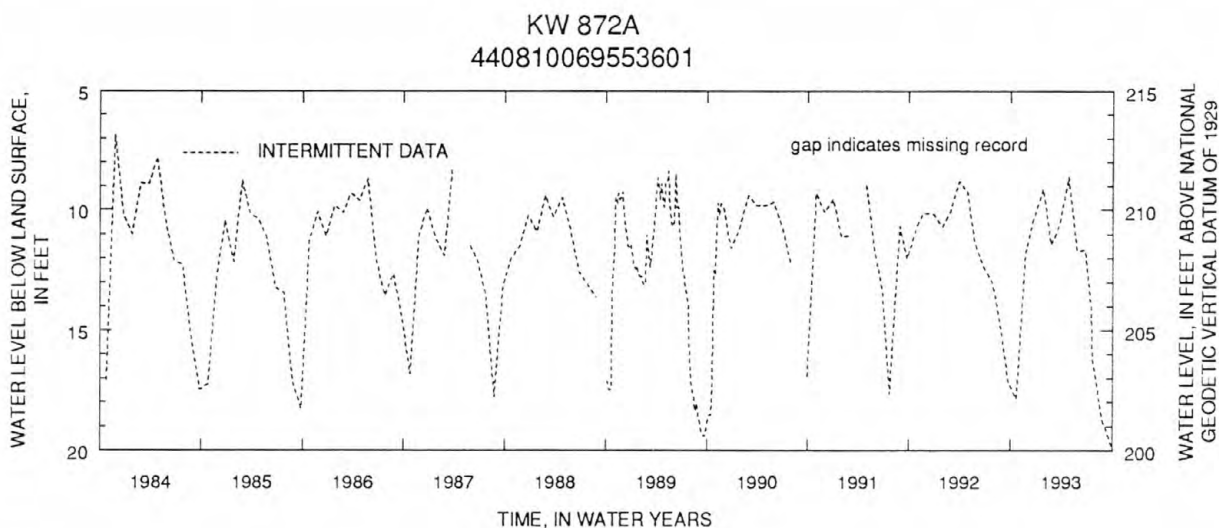


KENNEBEC COUNTY--Continued

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 1992 TO SEPTEMBER 1993

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	17.85	JAN 26	9.11	APR 27	8.61	JUL 16	13.87	SEP 29	19.82
NOV 23	11.78	FEB 23	11.42	MAY 28	11.67	22	16.20		
DEC 21	10.40	MAR 26	10.60	JUN 25	11.63	AUG 25	18.68		
WTR YR 1993		HIGH 8.61	APR 27	LOW 19.82	SEP 29				

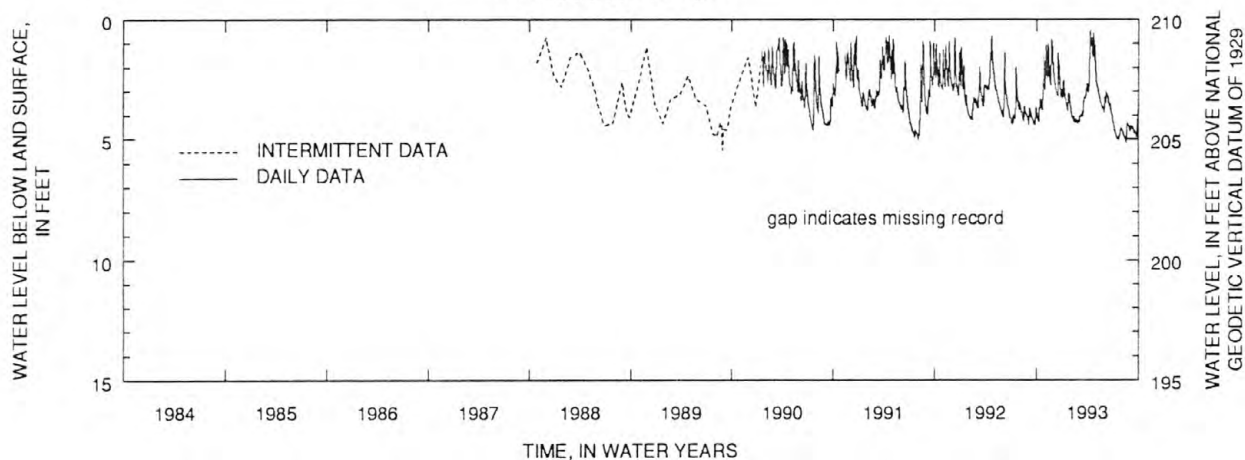


KENNEBEC COUNTY--Continued

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.**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 measured, 0.49 ft below land-surface datum, Apr. 12, 1993; lowest measured, 5.44 ft below land-surface datum, Aug. 30, 1989.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.74	2.82	2.15	3.04	3.71	4.21	2.65	2.06	3.64	4.21	4.55	4.61
2	3.85	2.90	2.28	3.16	3.87	4.21	2.75	2.29	3.20	4.28	4.57	4.63
3	3.91	2.02	2.36	3.23	3.88	4.23	2.87	2.49	3.28	4.30	4.60	4.57
4	3.93	1.10	2.49	3.19	3.95	4.19	2.97	2.55	3.37	4.34	4.61	4.46
5	3.98	1.37	2.52	2.66	3.98	4.09	3.01	2.65	3.47	4.44	4.63	4.45
6	4.11	1.04	2.65	2.51	4.07	4.04	2.93	2.69	3.44	4.48	4.66	4.49
7	4.16	1.59	2.72	2.71	4.07	4.04	2.63	2.79	3.02	4.55	4.70	4.52
8	4.19	1.98	2.85	2.83	4.08	4.04	2.19	2.79	3.11	4.60	4.75	4.53
9	4.21	2.24	2.94	2.99	4.16	4.01	1.86	2.87	3.16	4.64	4.79	4.50
10	4.23	2.42	2.99	3.07	4.15	4.01	1.35	2.98	3.08	4.69	4.82	4.45
11	4.23	2.40	3.02	3.16	4.24	3.96	.50	2.94	3.15	4.74	4.86	4.48
12	3.84	2.30	3.06	3.28	4.20	4.03	.49	3.02	3.16	4.79	4.88	4.58
13	3.57	1.02	3.14	3.33	4.04	3.92	.71	3.08	3.17	4.83	4.90	4.60
14	3.43	1.31	3.16	3.43	4.20	3.83	.90	3.19	3.22	4.88	4.94	4.61
15	3.28	1.80	3.16	3.47	4.29	4.04	1.06	3.26	3.29	4.89	5.00	4.62
16	3.41	2.11	3.18	3.53	4.25	3.97	1.05	3.30	3.38	4.93	5.05	4.72
17	3.48	2.30	2.66	3.55	4.15	3.83	.76	3.38	3.47	4.96	5.11	4.73
18	3.49	2.47	1.38	3.66	4.24	3.67	.80	3.47	3.51	4.98	5.02	4.68
19	3.55	2.58	1.99	3.72	4.24	3.50	1.13	3.48	3.56	5.00	4.93	4.68
20	3.64	2.69	1.75	3.75	4.23	3.34	1.37	3.50	3.59	5.00	4.88	4.74
21	3.64	2.71	2.01	3.81	4.28	3.26	1.52	3.52	3.58	4.98	4.39	4.76
22	3.75	2.60	2.31	3.70	4.20	3.27	1.22	3.57	3.53	5.00	4.35	4.82
23	3.65	1.21	2.47	3.29	4.24	3.29	.55	3.62	3.64	4.99	4.36	4.81
24	3.38	.79	2.66	3.16	4.28	3.28	1.01	3.67	3.74	4.90	4.41	4.85
25	3.31	.99	2.81	3.06	4.32	3.27	1.39	3.65	3.80	4.83	4.37	4.89
26	3.26	.87	2.95	3.16	4.30	3.21	1.29	3.66	3.83	4.81	4.41	4.86
27	1.80	.94	3.14	3.14	4.29	3.13	.88	3.69	3.91	4.78	4.43	4.59
28	1.49	1.33	3.21	3.28	4.24	2.96	1.22	3.74	3.95	4.72	4.43	3.76
29	2.04	1.67	3.22	3.35	---	2.78	1.58	3.73	4.05	4.66	4.51	3.79
30	2.32	1.91	2.90	3.49	---	2.66	1.86	3.81	4.12	4.54	4.57	3.86
31	2.73	---	2.90	3.55	---	2.71	---	3.88	---	4.53	4.58	---
LOW	4.23	2.90	3.22	3.81	4.32	4.23	3.01	3.88	4.12	5.00	5.11	4.89
HIGH	1.49	.79	1.38	2.51	3.71	2.66	.49	2.06	3.02	4.21	4.35	3.76
WTR YR 1993	HIGH .49 APR 12 LOW 5.11 AUG 17											

KW 881
441533069452401

KENNEBEC COUNTY--Continued

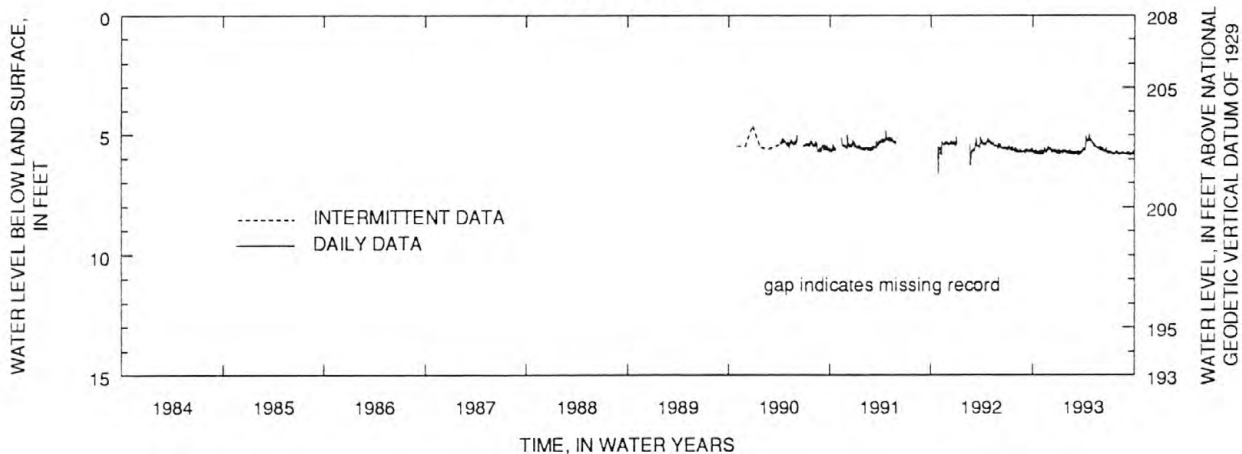
442233069490701. Local number, KW 882.

LOCATION.--Lat 44°22'33", long 69°49'07", Hydrologic Unit 01030003, about 4.5 mi northwest of Augusta.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.**WELL CHARACTERISTICS.**--Wash-bored unconfined observation well, diameter 2 in., depth 16 ft, screened depth 11 to 16 ft, screen slot size 0.010 in.**INSTRUMENTATION.**--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.**DATUM.**--Elevation of land-surface datum is 208 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.03 ft above land-surface datum.**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 measured, 6.56 ft below land-surface datum, Oct. 29, 1991.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.62	5.79	5.56	5.65	5.70	5.70	5.56	5.24	5.45	5.73	5.73	5.78
2	5.66	5.79	5.59	5.73	5.74	5.72	5.54	5.30	5.50	5.72	5.74	5.80
3	5.67	5.71	5.59	5.73	5.68	5.76	5.58	5.34	5.56	5.68	5.76	5.74
4	5.65	5.64	5.61	5.64	5.70	5.77	5.62	5.31	5.60	5.70	5.75	5.75
5	5.66	5.65	5.57	5.62	5.68	5.73	5.62	5.31	5.60	5.74	5.74	5.78
6	5.72	5.66	5.61	5.69	5.74	5.71	5.62	5.31	5.56	5.71	5.76	5.79
7	5.73	5.74	5.61	5.66	5.72	5.73	5.60	5.35	5.54	5.73	5.77	5.78
8	5.75	5.75	5.66	5.65	5.68	5.73	5.58	5.38	5.62	5.73	5.78	5.78
9	5.75	5.76	5.70	5.72	5.74	5.73	5.55	5.42	5.60	5.72	5.77	5.73
10	5.75	5.74	5.69	5.74	5.71	5.75	5.48	5.46	5.56	5.72	5.77	5.68
11	5.74	5.66	5.65	5.71	5.75	5.73	5.14	5.37	5.61	5.74	5.76	5.74
12	5.66	5.66	5.64	5.69	5.73	5.80	5.05	5.40	5.65	5.74	5.75	5.80
13	5.66	5.51	5.68	5.67	5.60	5.72	5.13	5.39	5.64	5.76	5.74	5.78
14	5.63	5.62	5.67	5.67	5.70	5.66	5.19	5.47	5.64	5.77	5.73	5.77
15	5.68	5.65	5.65	5.66	5.77	5.82	5.26	5.48	5.66	5.74	5.75	5.77
16	5.75	5.66	5.64	5.64	5.73	5.79	5.25	5.48	5.69	5.74	5.77	5.83
17	5.75	5.66	5.62	5.62	5.67	5.72	5.18	5.50	5.69	5.76	5.76	5.79
18	5.71	5.66	5.65	5.69	5.73	5.79	5.20	5.51	5.67	5.79	5.71	5.76
19	5.71	5.68	5.67	5.72	5.73	5.79	5.22	5.49	5.63	5.78	5.74	5.77
20	5.77	5.70	5.60	5.69	5.74	5.74	5.24	5.50	5.67	5.75	5.72	5.80
21	5.73	5.61	5.69	5.70	5.77	5.71	5.23	5.51	5.61	5.74	5.70	5.80
22	5.79	5.55	5.67	5.63	5.69	5.73	5.16	5.53	5.57	5.75	5.77	5.80
23	5.74	5.63	5.65	5.62	5.71	5.75	4.93	5.54	5.66	5.75	5.77	5.75
24	5.75	5.52	5.66	5.63	5.75	5.73	5.11	5.54	5.70	5.75	5.76	5.79
25	5.74	5.52	5.69	5.64	5.79	5.71	5.13	5.50	5.70	5.75	5.72	5.80
26	5.67	5.49	5.67	5.68	5.78	5.69	5.14	5.54	5.67	5.76	5.76	5.75
27	5.61	5.48	5.75	5.62	5.78	5.69	5.16	5.56	5.69	5.69	5.76	5.70
28	5.62	5.53	5.70	5.65	5.74	5.69	5.21	5.58	5.69	5.68	5.77	5.66
29	5.78	5.53	5.65	5.65	---	5.67	5.22	5.57	5.71	5.69	5.80	5.76
30	5.79	5.54	5.62	5.69	---	5.58	5.24	5.60	5.72	5.67	5.80	5.78
31	5.80	---	5.60	5.66	---	5.55	---	5.61	---	5.71	5.79	---
LOW	5.80	5.79	5.75	5.74	5.79	5.82	5.62	5.61	5.72	5.79	5.80	5.83
HIGH	5.61	5.48	5.56	5.62	5.60	5.55	4.93	5.24	5.45	5.67	5.70	5.66
WTR YR 1993	HIGH 4.93 APR 23 LOW 5.83 SEP 16											

KW 882
442233069490701

OXFORD COUNTY

443647070552302. Local number, OW 400A.

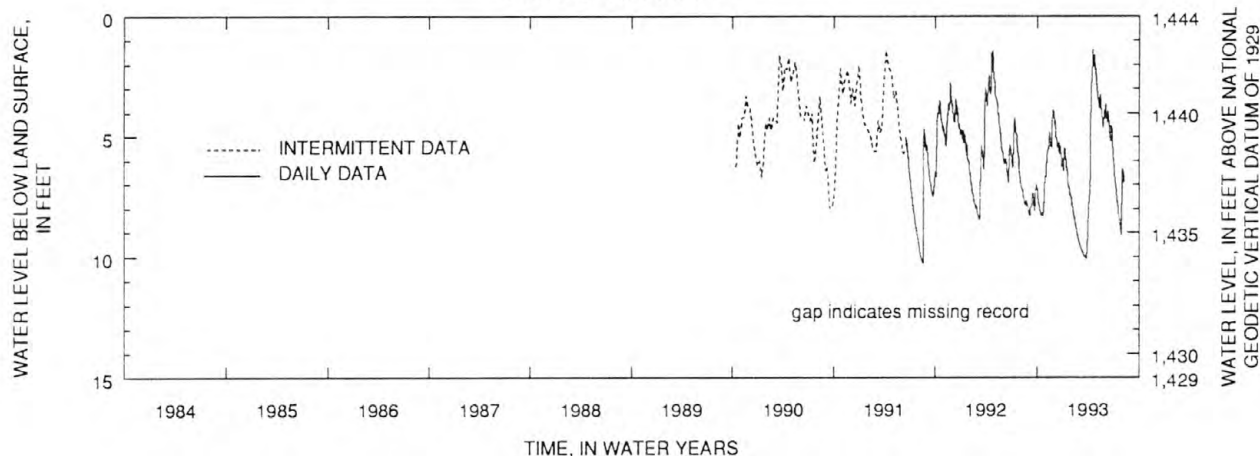
LOCATION.--Lat 44°46'37", long 70°55'23", Hydrologic Unit 01040001, at Middle Dam, Lower Richardson Lake.

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 Aug. 8 to Sep. 30 because of battery failure.**PERIOD OF RECORD.**--Oct. 1989 to current year.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 1.36 ft below land-surface datum, Apr. 17, 1993; lowest measured, 10.23 ft below land-surface datum, Aug. 18 and 19, 1991.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.16	6.66	4.20	6.15	7.69	9.39	8.59	2.69	4.17	6.03	7.05	---
2	7.16	6.68	4.24	6.41	7.82	9.44	8.18	2.97	3.69	6.15	6.36	---
3	7.26	6.67	4.27	6.40	7.80	9.49	7.95	3.06	3.66	6.21	6.35	---
4	7.44	6.34	4.42	6.22	7.91	9.55	7.82	3.10	3.91	6.43	6.39	---
5	7.55	5.81	4.30	6.14	7.94	9.58	7.70	3.16	4.16	6.65	6.48	m9.60
6	7.63	5.70	4.55	5.68	8.08	9.60	7.55	3.29	4.23	6.71	6.56	---
7	7.70	5.69	4.60	5.46	8.12	9.63	7.31	3.55	4.13	6.87	6.65	---
8	7.78	5.56	4.96	5.51	8.15	9.68	6.99	3.57	4.31	7.00	m6.70	---
9	7.85	5.58	5.09	5.77	8.27	9.71	6.64	3.64	4.38	7.11	m6.88	---
10	7.92	5.49	5.03	5.83	8.29	9.74	5.89	3.77	4.17	7.20	---	---
11	7.99	5.39	5.03	5.86	8.41	9.77	4.56	3.60	3.89	7.29	---	---
12	8.05	5.48	5.17	5.95	8.45	9.82	3.37	3.80	4.00	7.37	---	---
13	8.15	5.09	5.42	6.01	8.32	9.81	2.86	3.51	4.07	7.56	---	---
14	8.24	4.89	5.43	6.25	8.52	9.78	2.58	3.24	4.21	7.67	---	---
15	8.26	4.78	5.41	6.34	8.65	9.90	2.35	3.35	4.44	7.73	m7.60	---
16	8.20	4.91	5.44	6.44	8.68	9.92	1.83	3.53	4.76	7.85	---	---
17	8.20	4.93	5.50	6.45	8.70	9.94	1.36	3.77	4.95	7.98	---	---
18	8.25	5.13	5.71	6.80	8.81	9.96	1.65	3.93	4.99	8.12	---	---
19	8.20	5.30	5.60	6.96	8.88	9.99	1.87	3.99	5.16	8.20	---	m9.50
20	8.25	5.40	5.22	7.00	8.94	10.00	1.99	4.10	5.16	8.29	---	---
21	8.25	5.23	5.63	7.10	9.02	10.01	2.02	4.24	4.89	8.38	---	---
22	8.28	5.34	5.48	7.02	9.03	10.02	1.68	4.42	4.76	8.50	m8.50	---
23	8.21	5.41	5.40	7.12	9.09	10.03	1.60	4.49	4.54	8.58	---	---
24	8.13	4.76	5.58	7.17	9.16	10.04	2.00	4.58	4.59	8.69	---	---
25	8.15	4.25	5.71	7.32	9.24	10.05	1.91	4.47	4.61	8.79	---	---
26	7.97	4.11	5.85	7.44	9.28	10.05	2.00	4.28	4.71	8.86	---	m9.60
27	7.55	3.88	6.24	7.35	9.34	10.05	2.08	4.30	5.03	8.92	---	---
28	7.10	3.87	6.17	7.46	9.37	9.98	2.24	4.13	5.26	9.01	---	---
29	6.78	3.88	6.15	7.48	---	9.80	2.31	3.90	5.59	9.05	m9.10	---
30	6.68	3.99	6.04	7.58	---	9.51	2.52	4.15	5.80	9.09	---	---
31	6.64	---	5.90	7.52	---	9.08	---	4.24	---	8.56	---	---
LOW	8.28	6.68	6.24	7.58	9.37	10.05	8.59	4.58	5.80	9.09	---	---
HIGH	6.64	3.87	4.20	5.46	7.69	9.08	1.36	2.69	3.66	6.03	---	---
WTR YR 1993	HIGH 1.36 APR 17 LOW 10.05 MAR 25-27											

m Estimated

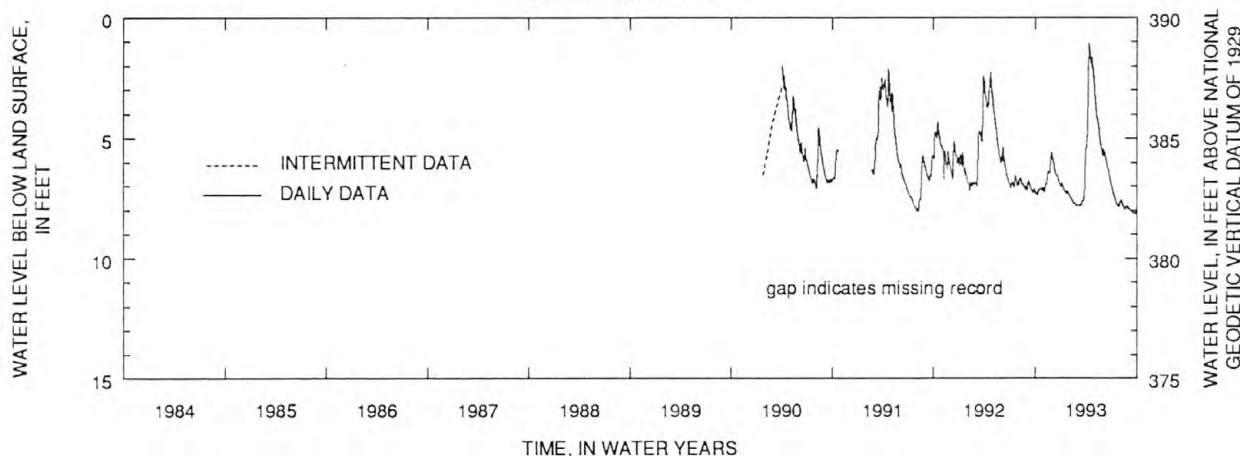
OW 400A
443647070552302

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 measured, 1.06 ft below land-surface datum, Apr. 13, 1993; lowest measured, 8.13 ft below land-surface datum, Sep. 24-27, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.18	7.13	5.81	6.95	7.34	7.78	5.61	2.66	5.65	6.92	7.65	7.93
2	7.22	7.17	5.74	6.97	7.37	7.78	5.49	2.85	5.43	6.97	7.62	7.93
3	7.25	7.19	5.77	7.01	7.38	7.79	5.40	3.04	5.43	7.01	7.60	7.93
4	7.26	7.12	5.83	7.02	7.40	7.80	5.35	3.18	5.55	7.06	7.57	7.93
5	7.29	7.07	5.85	6.89	7.43	7.80	5.26	3.32	5.69	7.09	7.57	7.95
6	7.30	7.02	5.93	6.84	7.46	7.80	5.05	3.47	5.69	7.16	7.57	7.96
7	7.31	6.98	5.99	6.88	7.48	7.80	4.77	3.62	5.55	7.20	7.58	7.97
8	7.34	6.94	6.06	6.90	7.49	7.80	4.46	3.74	5.58	7.24	7.64	7.98
9	7.35	6.92	6.14	6.94	7.51	7.80	4.11	3.89	5.70	7.27	7.68	8.00
10	7.35	6.90	6.22	6.97	7.53	7.80	3.39	4.04	5.71	7.30	7.72	8.00
11	7.30	6.89	6.27	7.03	7.55	7.80	1.98	4.10	5.75	7.36	7.75	8.00
12	7.24	6.88	6.33	7.06	7.57	7.80	1.28	4.21	5.81	7.40	7.77	8.01
13	7.20	6.79	6.39	7.10	7.57	7.79	1.06	4.12	5.89	7.44	7.80	8.03
14	7.16	6.61	6.45	7.12	7.59	7.76	1.31	4.27	5.95	7.47	7.83	8.04
15	7.14	6.49	6.47	7.16	7.62	7.77	1.62	4.36	6.02	7.51	7.86	8.06
16	7.12	6.42	6.52	7.18	7.67	7.77	1.71	4.41	6.10	7.55	7.89	8.07
17	7.11	6.37	6.54	7.18	7.67	7.74	1.36	4.50	6.13	7.60	7.92	8.07
18	7.10	6.37	6.54	7.22	7.68	7.70	1.59	4.62	6.17	7.64	7.93	8.09
19	7.10	6.39	6.56	7.24	7.70	7.64	1.80	4.71	6.20	7.67	7.94	8.09
20	7.10	6.41	6.54	7.26	7.70	7.63	1.88	4.80	6.27	7.71	7.93	8.10
21	7.10	6.43	6.58	7.28	7.70	7.61	1.87	4.89	6.33	7.73	7.88	8.10
22	7.10	6.44	6.61	7.27	7.72	7.60	1.76	5.01	6.36	7.75	7.87	8.10
23	7.09	6.41	6.63	7.28	7.72	7.59	1.62	5.11	6.41	7.76	7.87	8.12
24	7.09	6.29	6.67	7.28	7.73	7.57	1.92	5.21	6.48	7.79	7.87	8.13
25	7.11	6.17	6.72	7.22	7.75	7.57	2.04	5.25	6.55	7.81	7.84	8.13
26	7.07	6.04	6.77	7.21	7.78	7.52	1.95	5.30	6.60	7.82	7.84	8.13
27	7.06	5.81	6.83	7.23	7.78	7.41	2.00	5.38	6.65	7.84	7.83	8.13
28	7.07	5.67	6.87	7.26	7.78	7.27	2.22	5.46	6.73	7.85	7.82	8.07
29	7.07	5.60	6.91	7.29	---	7.05	2.36	5.53	6.79	7.85	7.84	8.03
30	7.10	5.58	6.93	7.30	---	6.27	2.51	5.63	6.85	7.81	7.87	8.00
31	7.12	---	6.93	7.30	---	5.89	---	5.71	---	7.73	7.91	---
LOW	7.35	7.19	6.93	7.30	7.78	7.80	5.61	5.71	6.85	7.85	7.94	8.13
HIGH	7.06	5.58	5.74	6.84	7.34	5.89	1.06	2.66	5.43	6.92	7.57	7.93
WTR YR 1993	HIGH 1.06 APR 13 LOW 8.13 SEP 24-27											

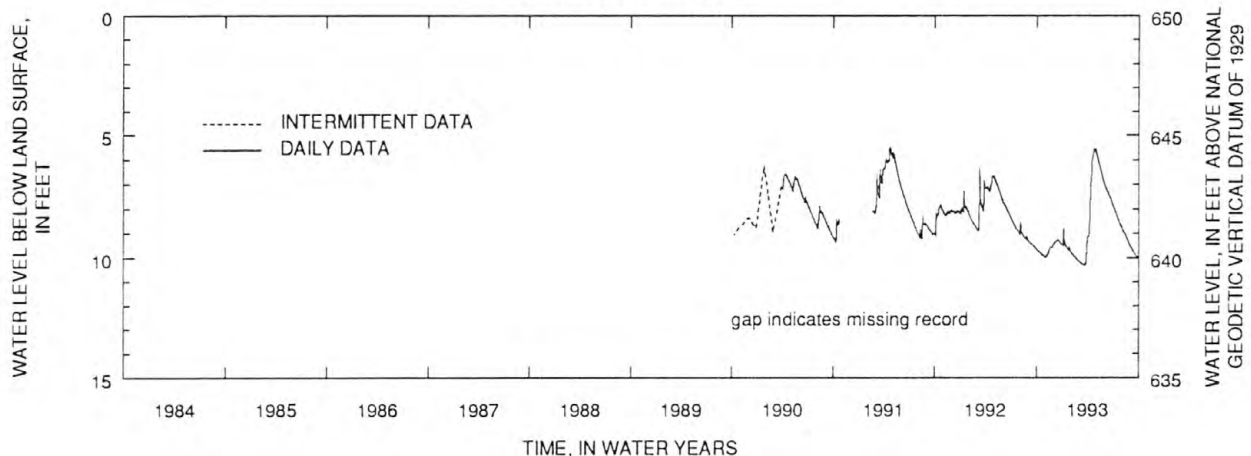
OW 615A
440642070583402

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 measured, 5.49 ft below land-surface datum, Apr. 24 and 25, 1991; lowest measured, 10.30 ft below land-surface datum, Mar. 22-24, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.62	9.96	9.41	9.44	9.76	10.13	9.15	5.60	6.96	7.82	8.72	9.50
2	9.64	9.97	9.41	9.46	9.78	10.13	9.11	5.66	6.99	7.86	8.75	9.52
3	9.66	9.97	9.37	9.48	9.79	10.15	9.11	5.71	7.02	7.90	8.78	9.54
4	9.67	9.92	9.36	9.50	9.80	10.15	9.11	5.73	7.04	7.92	8.80	9.55
5	9.69	9.93	9.35	8.96	9.83	10.16	9.10	5.76	7.10	7.95	8.83	9.57
6	9.70	9.92	9.34	8.78	9.83	10.18	9.05	5.81	7.12	7.98	8.85	9.60
7	9.71	9.91	9.34	9.12	9.85	10.19	8.96	5.87	7.15	8.00	8.90	9.62
8	9.72	9.89	9.33	9.24	9.86	10.21	8.82	5.93	7.19	8.05	8.92	9.65
9	9.73	9.87	9.32	9.30	9.88	10.21	8.66	5.97	7.21	8.08	8.94	9.67
10	9.74	9.83	9.32	9.35	9.88	10.21	8.44	6.02	7.21	8.10	8.96	9.68
11	9.74	9.83	9.32	9.40	9.92	10.23	7.86	6.05	7.25	8.13	8.95	9.70
12	9.75	9.82	9.31	9.44	9.92	10.24	7.37	6.10	7.27	8.15	8.97	9.72
13	9.76	9.78	9.29	9.46	9.92	10.24	7.01	6.15	7.30	8.20	8.99	9.75
14	9.77	9.69	9.29	9.49	9.94	10.25	6.74	6.20	7.32	8.23	9.01	9.77
15	9.78	9.67	9.29	9.51	9.96	10.26	6.63	6.25	7.34	8.26	9.03	9.78
16	9.80	9.64	9.29	9.53	9.96	10.26	6.57	6.28	7.36	8.28	9.07	9.80
17	9.80	9.61	9.29	9.55	9.98	10.26	6.34	6.33	7.41	8.31	9.09	9.81
18	9.82	9.59	9.26	9.58	10.01	10.27	5.99	6.38	7.44	8.36	9.12	9.83
19	9.84	9.58	9.28	9.61	10.01	10.28	5.91	6.41	7.46	8.39	9.15	9.86
20	9.84	9.56	9.29	9.62	10.02	10.29	5.85	6.45	7.49	8.42	9.17	9.87
21	9.86	9.56	9.30	9.64	10.03	10.29	5.81	6.50	7.51	8.44	9.19	9.89
22	9.86	9.55	9.31	9.65	10.04	10.30	5.75	6.56	7.53	8.47	9.23	9.91
23	9.88	9.56	9.34	9.67	10.06	10.30	5.68	6.59	7.58	8.50	9.26	9.92
24	9.88	9.55	9.35	9.68	10.07	10.30	5.62	6.64	7.61	8.54	9.28	9.93
25	9.88	9.54	9.36	9.63	10.08	10.29	5.58	6.68	7.64	8.57	9.30	9.95
26	9.90	9.54	9.38	9.54	10.10	10.25	5.56	6.72	7.66	8.60	9.34	9.97
27	9.91	9.52	9.41	9.62	10.11	10.19	5.55	6.77	7.68	8.63	9.39	9.99
28	9.92	9.50	9.44	9.67	10.11	9.96	5.54	6.82	7.73	8.65	9.43	9.99
29	9.94	9.47	9.44	9.69	---	9.70	5.54	6.85	7.76	8.68	9.45	10.01
30	9.94	9.43	9.44	9.71	---	9.46	5.56	6.88	7.80	8.70	9.47	10.03
31	9.95	---	9.42	9.74	---	9.26	---	6.94	---	8.65	9.48	---
LOW	9.95	9.97	9.44	9.74	10.11	10.30	9.15	6.94	7.80	8.70	9.48	10.03
HIGH	9.62	9.43	9.26	8.78	9.76	9.26	5.54	5.60	6.96	7.82	8.72	9.50
WTR YR 1993	HIGH 5.54 APR 28,29 LOW 10.30 MAR 22-24											

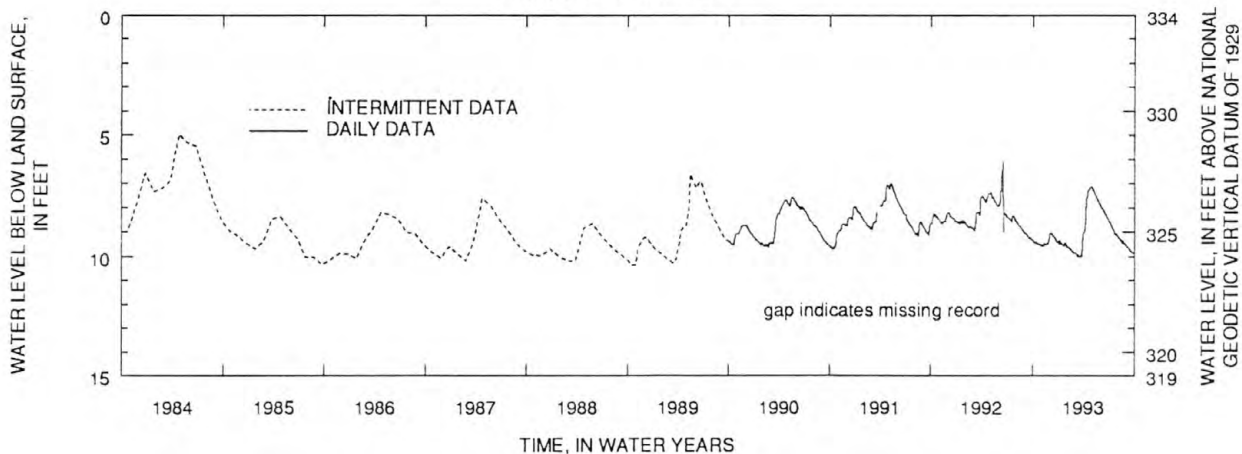
OW 616A
442515070481002

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, 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 measured, 4.07 ft below land-surface datum, June 3, 1984; lowest measured, 10.37 ft below land-surface datum, Oct. 20-22, 1988.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.32	9.53	9.07	9.41	9.55	9.84	9.04	7.13	7.87	8.50	9.14	9.54
2	9.33	9.54	9.05	9.43	9.59	9.83	9.01	7.15	7.89	8.54	9.16	9.56
3	9.34	9.55	9.03	9.45	9.59	9.85	9.01	7.18	7.93	8.56	9.18	9.58
4	9.37	9.53	9.03	9.46	9.61	9.86	9.02	7.18	7.96	8.57	9.20	9.58
5	9.39	9.53	9.04	9.39	9.61	9.86	9.01	7.19	7.99	8.60	9.22	9.60
6	9.39	9.52	9.04	9.34	9.63	9.87	8.96	7.23	7.99	8.61	9.23	9.61
7	9.41	9.55	9.05	9.35	9.63	9.88	8.87	7.28	8.01	8.63	9.24	9.61
8	9.43	9.52	9.06	9.37	9.63	9.89	8.78	7.30	8.03	8.66	9.25	9.62
9	9.44	9.51	9.08	9.40	9.63	9.90	8.70	7.32	8.04	8.68	9.26	9.64
10	9.43	9.51	9.09	9.43	9.64	9.91	8.58	7.36	8.05	8.72	9.28	9.65
11	9.44	9.50	9.09	9.45	9.66	9.92	8.12	7.37	8.09	8.73	9.30	9.67
12	9.43	9.50	9.11	9.46	9.66	9.97	7.85	7.39	8.12	8.75	9.32	9.68
13	9.41	9.48	9.13	9.47	9.66	9.96	7.66	7.41	8.12	8.77	9.32	9.69
14	9.43	9.49	9.14	9.49	9.70	9.95	7.58	7.45	8.14	8.80	9.35	9.70
15	9.44	9.49	9.15	9.49	9.72	9.97	7.54	7.48	8.16	8.83	9.38	9.73
16	9.44	9.50	9.17	9.51	9.72	9.96	7.51	7.50	8.18	8.85	9.40	9.75
17	9.45	9.50	9.18	9.52	9.72	9.97	7.45	7.53	8.21	8.88	9.42	9.76
18	9.46	9.50	9.19	9.54	9.74	9.99	7.36	7.56	8.22	8.91	9.43	9.76
19	9.47	9.50	9.20	9.54	9.75	10.01	7.31	7.58	8.26	8.94	9.43	9.78
20	9.47	9.49	9.21	9.56	9.76	10.01	7.28	7.59	8.27	8.96	9.44	9.80
21	9.48	9.47	9.25	9.56	9.78	9.99	7.26	7.63	8.28	8.99	9.37	9.80
22	9.49	9.46	9.28	9.56	9.78	10.01	7.25	7.67	8.30	9.03	9.38	9.81
23	9.49	9.45	9.29	9.55	9.78	10.01	7.22	7.68	8.32	9.04	9.41	9.83
24	9.49	9.45	9.32	9.52	9.80	10.01	7.23	7.70	8.35	9.06	9.43	9.84
25	9.49	9.45	9.33	9.46	9.80	10.01	7.20	7.72	8.37	9.08	9.44	9.85
26	9.49	9.43	9.35	9.43	9.83	9.98	7.17	7.75	8.40	9.10	9.46	9.85
27	9.50	9.37	9.38	9.44	9.83	9.91	7.17	7.78	8.42	9.11	9.48	9.85
28	9.51	9.35	9.39	9.48	9.83	9.81	7.16	7.81	8.44	9.12	9.49	9.84
29	9.51	9.29	9.40	9.50	---	9.66	7.14	7.82	8.46	9.12	9.50	9.84
30	9.52	9.25	9.39	9.52	---	9.40	7.13	7.85	8.48	9.10	9.51	9.85
31	9.53	---	9.39	9.53	---	9.17	---	7.87	---	9.11	9.53	---
LOW	9.53	9.55	9.40	9.56	9.83	10.01	9.04	7.87	8.48	9.12	9.53	9.85
HIGH	9.32	9.25	9.03	9.34	9.55	9.17	7.13	7.13	7.87	8.50	9.14	9.54
WTR YR 1993	HIGH 7.13 APR 30, MAY 1 LOW 10.01 MAR 19, 20, 22-25											

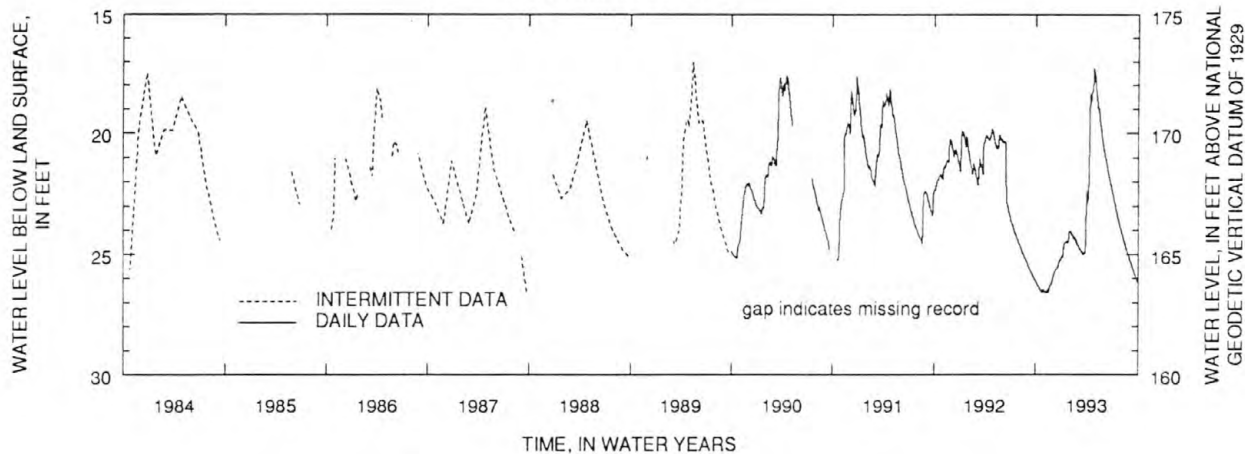
OW 1214
440823070291501

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.**REVISIONS.**--Water levels, Sept. 1979 to Oct. 1981, were incorrectly reported from land surface. They should be referenced from land-surface datum.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 14.92 ft below land-surface datum, Apr. 26, 1983; lowest measured, 26.93 ft below land-surface datum, Sept. 30, 1987.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.11	26.55	25.89	25.10	24.06	24.63	22.89	17.78	20.68	22.43	24.00	25.25
2	26.13	26.55	25.86	25.11	24.10	24.66	22.89	17.95	20.67	22.49	24.04	25.27
3	26.15	26.57	25.80	25.10	24.09	24.71	22.78	18.10	20.74	22.53	24.09	25.30
4	26.19	26.57	25.78	25.08	24.11	24.74	22.72	18.18	20.81	22.57	24.13	25.33
5	26.22	26.57	25.74	25.01	24.13	24.75	22.65	18.26	20.91	22.65	24.16	25.37
6	26.25	26.58	25.72	24.83	24.17	24.75	22.43	18.35	20.99	22.69	24.22	25.41
7	26.26	26.57	25.69	24.69	24.19	24.78	21.85	18.54	20.99	22.74	24.26	25.43
8	26.28	26.55	25.68	24.60	24.19	24.82	21.49	18.62	21.04	22.81	24.31	25.48
9	26.30	26.55	25.66	24.58	24.25	24.83	21.17	18.73	21.10	22.85	24.37	25.51
10	26.32	26.54	25.65	24.56	24.24	24.86	20.66	18.87	21.15	22.91	24.40	25.54
11	26.33	26.53	25.62	24.53	24.30	24.87	19.34	18.87	21.25	22.96	24.43	25.57
12	26.34	26.54	25.59	24.51	24.32	24.92	18.40	18.97	21.34	23.02	24.48	25.62
13	26.38	26.53	25.59	24.49	24.23	24.92	18.75	18.98	21.39	23.09	24.52	25.65
14	26.41	26.51	25.57	24.49	24.27	24.87	18.69	19.03	21.44	23.15	24.56	25.68
15	26.43	26.44	25.55	24.48	24.35	24.98	18.65	19.13	21.52	23.18	24.60	25.70
16	26.44	26.40	25.54	24.47	24.36	25.00	18.60	19.22	21.59	23.22	24.66	25.75
17	26.46	26.36	25.53	24.45	24.30	25.02	18.51	19.34	21.67	23.29	24.69	25.78
18	26.49	26.33	25.51	24.49	24.38	25.02	18.38	19.46	21.72	23.35	24.73	25.81
19	26.50	26.32	25.45	24.52	24.40	25.00	18.28	19.54	21.77	23.40	24.77	25.85
20	26.52	26.26	25.37	24.51	24.42	24.97	18.25	19.64	21.84	23.45	24.81	25.88
21	26.55	26.26	25.36	24.52	24.47	24.94	18.22	19.72	21.88	23.48	24.84	25.92
22	26.56	26.25	25.31	24.50	24.45	24.94	18.19	19.83	21.90	23.54	24.88	25.95
23	26.53	26.23	25.27	24.45	24.48	24.94	17.74	19.91	21.98	23.60	24.93	25.98
24	26.54	26.22	25.24	24.40	24.52	24.94	17.33	20.02	22.05	23.65	24.96	26.00
25	26.55	26.19	25.23	24.29	24.58	24.92	17.27	20.09	22.10	23.71	24.98	26.03
26	26.49	26.16	25.22	24.18	24.60	24.89	17.37	20.17	22.14	23.75	25.02	26.08
27	26.45	26.10	25.23	24.10	24.62	24.45	17.45	20.26	22.20	23.77	25.07	26.11
28	26.48	26.04	25.21	24.06	24.63	23.65	17.51	20.37	22.24	23.86	25.10	26.11
29	26.50	25.98	25.19	24.04	---	23.14	17.56	20.43	22.30	23.87	25.13	26.11
30	26.52	25.92	25.15	24.06	---	22.37	17.67	20.54	22.37	23.90	25.18	26.13
31	26.53	---	25.11	24.04	---	22.60	---	20.64	---	23.96	25.22	---
LOW	26.56	26.58	25.89	25.11	24.63	25.02	22.89	20.64	22.37	23.96	25.22	26.13
HIGH	26.11	25.92	25.11	24.04	24.06	22.37	17.27	17.78	20.67	22.43	24.00	25.25
WTR YR 1993	HIGH 17.27 APR 25		LOW 26.58 NOV 6									

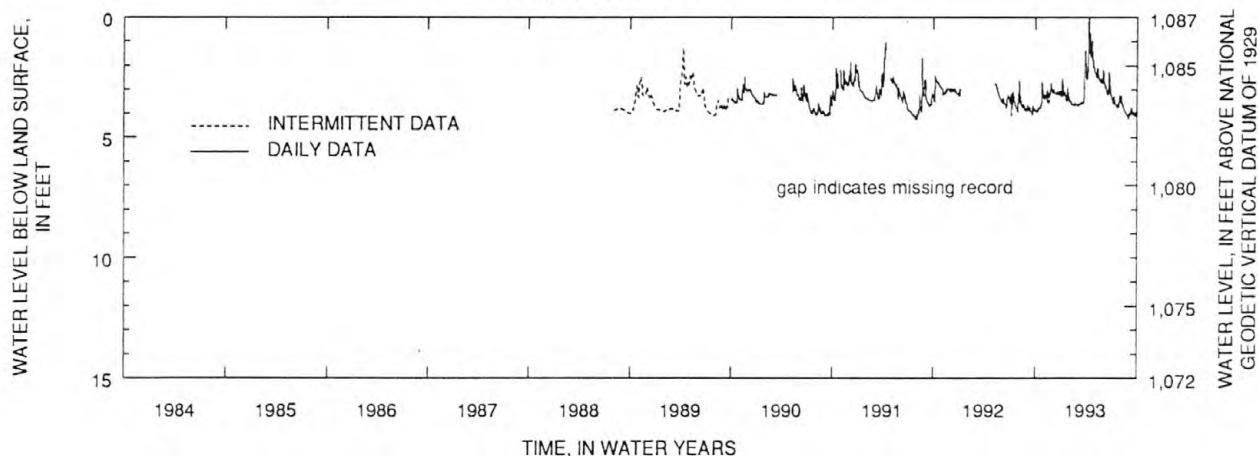
PEW 456
445319068560101

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.**PERIOD OF RECORD.**--July 1988 to current year.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, -.05 ft below land-surface datum, Apr. 12, 1993; lowest measured, 4.25 ft below land-surface datum, July 31 and Aug. 1, 1991.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	3.30	3.03	3.19	3.47	3.64	1.78	2.10	2.58	3.28	3.31	4.01
2	3.87	3.33	3.06	3.24	3.50	3.64	2.01	2.13	2.19	3.34	3.40	4.06
3	3.87	3.35	3.08	3.28	3.45	3.65	2.22	2.21	2.40	3.38	3.49	4.09
4	3.88	3.29	3.11	3.28	3.47	3.66	2.42	2.25	2.54	3.39	3.52	3.99
5	3.89	3.24	3.02	2.87	3.50	3.66	2.55	2.28	2.65	3.44	3.25	4.01
6	3.90	3.22	3.01	2.53	3.52	3.62	2.55	2.29	2.71	3.49	3.36	4.05
7	3.91	3.22	3.02	2.68	3.53	3.61	2.46	2.34	2.75	3.53	3.47	3.93
8	3.91	3.26	3.11	2.86	3.55	3.61	2.32	2.37	2.81	3.57	3.55	3.93
9	3.91	3.29	3.11	2.99	3.59	3.61	2.18	2.43	2.87	3.40	3.58	3.98
10	3.88	3.33	3.12	3.11	3.61	3.61	1.92	2.47	2.85	3.27	3.59	3.86
11	3.86	3.34	3.11	3.18	3.63	3.61	.44	2.47	2.86	3.38	3.63	3.73
12	3.84	3.35	3.14	3.19	3.63	3.61	-.05	2.47	2.91	3.45	3.67	3.81
13	3.78	3.14	3.15	3.18	3.61	3.60	.65	2.08	2.96	3.49	3.72	3.87
14	3.77	3.01	3.15	3.14	3.62	3.56	1.16	2.18	3.03	3.55	3.76	3.93
15	3.77	3.11	3.14	3.10	3.62	3.55	1.40	2.32	3.09	3.59	3.80	3.98
16	3.78	3.18	3.14	3.19	3.62	3.55	1.52	2.40	3.14	3.63	3.84	3.97
17	3.76	3.18	3.17	3.26	3.61	3.54	.65	2.48	3.18	3.64	3.88	4.00
18	3.76	3.22	3.12	3.32	3.62	3.53	.85	2.53	3.21	3.67	3.90	4.00
19	3.77	3.27	3.14	3.38	3.60	3.54	1.34	2.57	3.15	3.69	3.91	3.98
20	3.77	3.27	3.08	3.42	3.61	3.53	1.60	2.60	3.16	3.71	3.93	4.03
21	3.73	3.24	3.11	3.46	3.62	3.51	1.64	2.60	3.16	3.72	3.94	4.06
22	3.61	3.25	3.09	3.48	3.61	3.52	1.35	2.63	2.80	3.73	3.99	4.07
23	3.58	3.10	3.13	3.33	3.63	3.53	.97	2.66	2.27	3.73	4.01	4.09
24	3.53	2.93	3.18	3.17	3.63	3.53	1.39	2.70	2.53	3.67	4.02	4.09
25	3.16	2.99	3.20	2.89	3.63	3.50	1.60	2.60	2.74	3.56	4.05	4.12
26	2.70	3.01	3.12	3.03	3.63	3.20	1.41	2.50	2.88	3.63	4.08	4.12
27	2.77	2.71	3.13	3.18	3.63	2.62	1.67	2.58	2.99	3.65	4.11	4.07
28	2.96	2.79	3.04	3.26	3.63	2.15	1.89	2.69	3.09	3.61	4.12	3.94
29	3.09	2.90	3.04	3.33	---	1.84	2.00	2.67	3.16	3.42	4.14	3.93
30	3.18	2.97	3.07	3.39	---	1.40	2.07	2.66	3.23	3.40	4.17	3.97
31	3.24	---	3.14	3.44	---	1.40	---	2.71	---	3.24	4.19	---
LOW	3.91	3.35	3.20	3.48	3.63	3.66	2.55	2.71	3.23	3.73	4.19	4.12
HIGH	2.70	2.71	3.01	2.53	3.45	1.40	-.05	2.08	2.19	3.24	3.25	3.73
WTR YR 1993	HIGH -.05 APR 12 LOW 4.19 AUG 31											

PIW 2
452829069322101

SOMERSET COUNTY

445148069513301. Local number, SMW 61.

LOCATION.--Lat 44°51'48", long 69°51'33", Hydrologic Unit 01030003, approximately 3.0 mi northeast of Madison. Owner: U.S. Geological Survey.

AQUIFER.--Glaciomarine sand and silt of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in, Sept. 1984 measured depth 40 ft, screened depth 35 to 40 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by local observer.

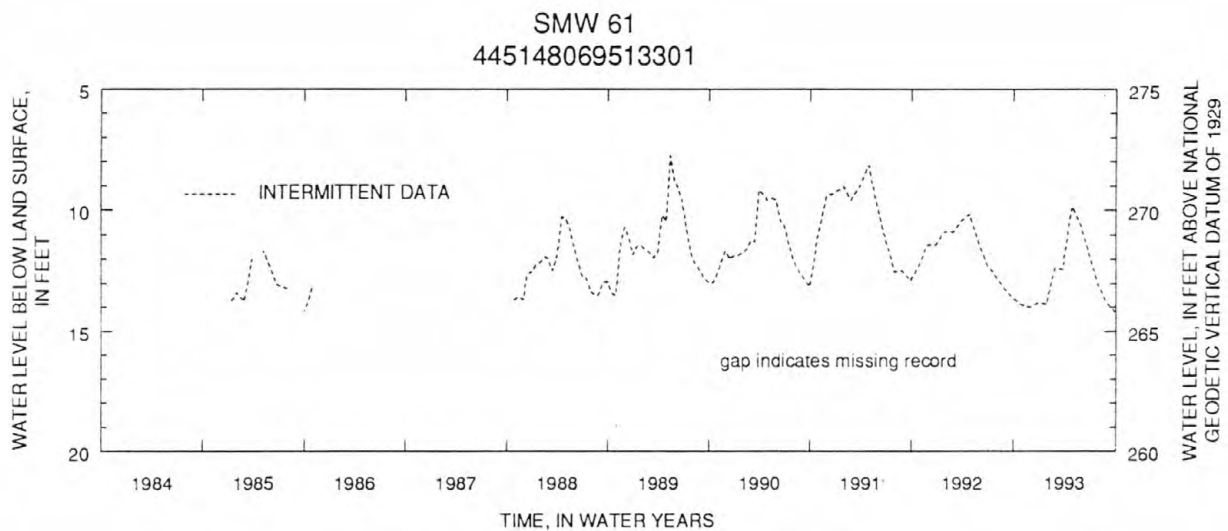
DATUM.--Elevation of land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft below land-surface datum, May 14, 1989; lowest measured, 14.20 ft below land-surface datum, Sep. 28, 1993.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	13.88	DEC 28	13.80	FEB 26	12.35	APR 27	9.83	JUN 29	11.81	AUG 30	13.81
NOV 28	13.98	JAN 26	13.86	MAR 25	12.42	MAY 28	10.56	JUL 30	13.03	SEP 28	14.20
WTR YR 1993 HIGH 9.83 APR 27 LOW 14.20 SEP 28											

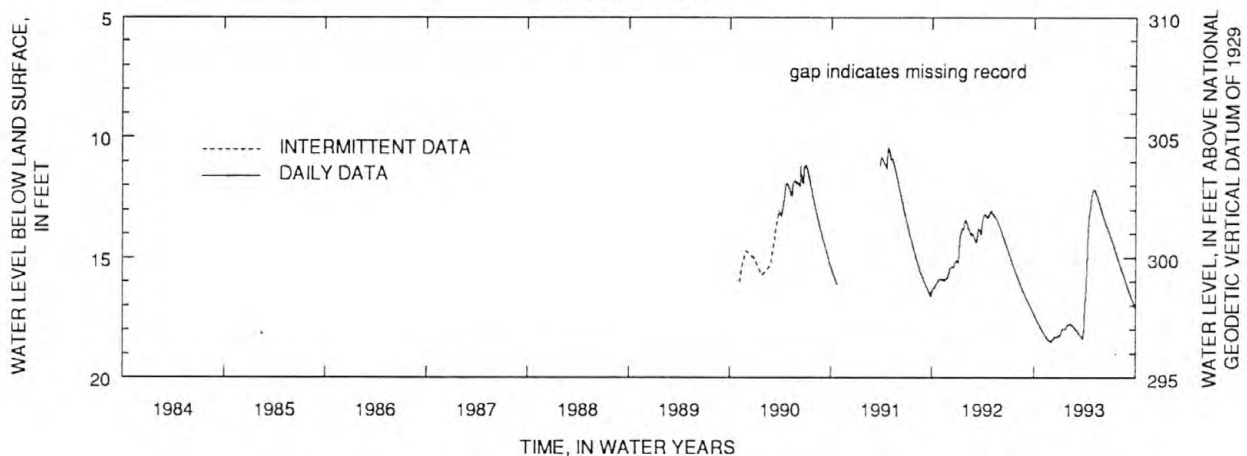


WALDO COUNTY

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 measured, 10.55 ft below land-surface datum, May 1, 1991; lowest measured, 18.50 ft below land-surface datum, Dec. 1 and 2, 1992DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.33	18.03	18.50	18.24	17.79	17.97	17.73	12.19	13.01	14.04	15.12	16.18
2	17.36	18.04	18.50	18.22	17.79	17.98	17.45	12.18	13.06	14.07	15.16	16.22
3	17.39	18.06	18.49	18.22	17.77	18.00	17.17	12.18	13.10	14.10	15.20	16.25
4	17.40	18.09	18.47	18.21	17.76	18.02	16.92	12.15	13.14	14.14	15.24	16.27
5	17.43	18.11	18.44	18.19	17.75	18.04	16.71	12.14	13.20	14.17	15.26	16.30
6	17.44	18.13	18.43	18.15	17.75	18.05	16.54	12.14	13.22	14.19	15.30	16.35
7	17.47	18.14	18.42	18.11	17.75	18.07	16.37	12.18	13.26	14.23	15.34	16.38
8	17.50	18.16	18.40	18.09	17.74	18.08	16.13	12.19	13.31	14.27	15.37	16.42
9	17.52	18.18	18.40	18.07	17.75	18.09	15.89	12.21	13.33	14.30	15.40	16.44
10	17.54	18.21	18.38	18.04	17.75	18.11	15.65	12.25	13.35	14.33	15.45	16.48
11	17.56	18.23	18.38	18.01	17.77	18.14	15.31	12.23	13.41	14.37	15.48	16.52
12	17.59	18.25	18.36	18.00	17.77	18.16	14.78	12.27	13.45	14.41	15.50	16.55
13	17.62	18.27	18.34	17.99	17.76	18.16	14.33	12.30	13.47	14.44	15.52	16.57
14	17.64	18.29	18.32	17.99	17.78	18.18	14.01	12.35	13.50	14.49	15.57	16.61
15	17.65	18.30	18.32	17.97	17.79	18.20	13.76	12.39	13.55	14.51	15.60	16.64
16	17.67	18.32	18.31	17.97	17.79	18.21	13.57	12.41	13.57	14.54	15.63	16.68
17	17.70	18.35	18.30	17.95	17.81	18.24	13.42	12.45	13.61	14.59	15.66	16.70
18	17.73	18.37	18.30	17.95	17.83	18.25	13.30	12.49	13.63	14.63	15.70	16.74
19	17.75	18.38	18.30	17.95	17.83	18.26	13.20	12.52	13.66	14.66	15.73	16.76
20	17.77	18.38	18.30	17.96	17.85	18.27	13.11	12.55	13.70	14.69	15.76	16.80
21	17.78	18.39	18.30	17.97	17.86	18.27	13.04	12.60	13.72	14.74	15.79	16.82
22	17.80	18.40	18.30	17.96	17.87	18.29	12.97	12.63	13.72	14.77	15.84	16.87
23	17.83	18.41	18.30	17.96	17.88	18.30	12.90	12.66	13.78	14.79	15.87	16.90
24	17.86	18.42	18.30	17.95	17.89	18.31	12.84	12.72	13.82	14.85	15.91	16.93
25	17.88	18.43	18.28	17.93	17.91	18.32	12.68	12.75	13.85	14.89	15.94	16.96
26	17.90	18.43	18.28	17.91	17.93	18.35	12.53	12.78	13.88	14.91	15.98	16.99
27	17.92	18.47	18.28	17.87	17.94	18.35	12.43	12.83	13.90	14.95	16.01	17.03
28	17.93	18.46	18.28	17.85	17.96	18.31	12.35	12.87	13.92	14.99	16.03	17.05
29	17.97	18.47	18.26	17.83	---	18.25	12.28	12.89	13.95	15.01	16.07	17.08
30	17.99	18.49	18.26	17.82	---	18.13	12.22	12.95	14.00	15.05	16.11	17.11
31	18.01	---	18.24	17.80	---	17.96	---	12.99	---	15.09	16.15	---
LOW	18.01	18.49	18.50	18.24	17.96	18.35	17.73	12.99	14.00	15.09	16.15	17.11
HIGH	17.33	18.03	18.24	17.80	17.74	17.96	12.22	12.14	13.01	14.04	15.12	16.18
WTR YR 1993	HIGH 12.14 MAY 5, 6 LOW 18.50 DEC 1, 2											

WOW 82
443407069020901

WALDO COUNTY--Continued

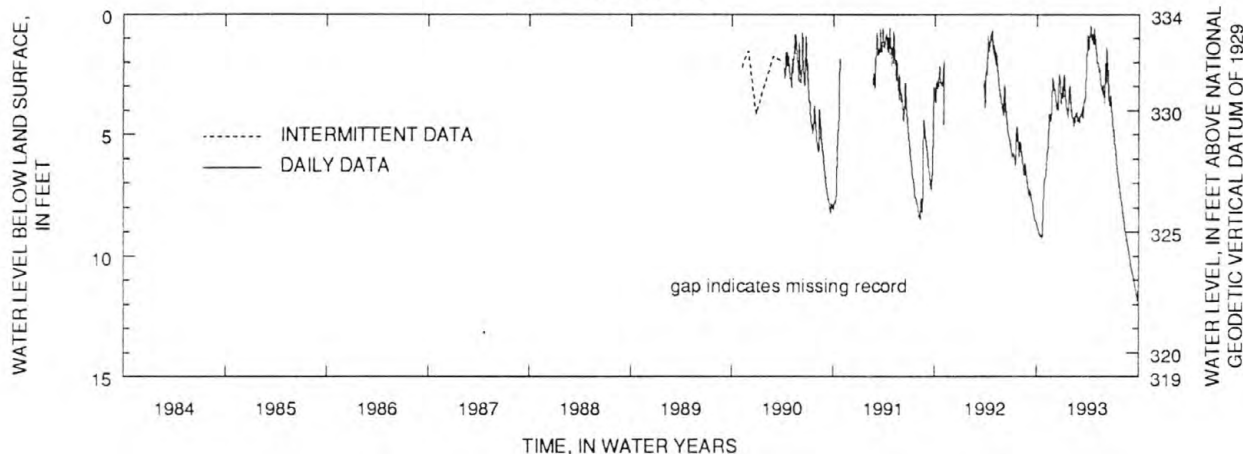
442822069081301. Local number, WOW 85.

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 measured, 11.84 ft below land-surface datum, Sep. 27, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.61	6.75	3.05	3.33	3.83	4.39	.89	1.55	3.19	4.59	7.76	10.20
2	8.64	6.76	3.11	3.34	4.04	4.41	1.05	1.76	2.04	4.72	7.84	10.29
3	8.67	6.71	3.10	3.44	3.99	4.49	1.28	1.91	2.30	4.78	7.97	10.35
4	8.75	6.53	3.16	3.42	4.14	4.47	1.45	1.97	2.59	4.88	8.07	10.43
5	8.80	6.33	3.10	2.88	4.15	4.31	1.42	2.03	2.87	5.01	8.13	10.51
6	8.85	6.16	3.30	2.51	4.34	4.19	1.03	2.03	2.71	5.10	8.25	10.55
7	8.89	5.97	3.37	2.50	4.30	4.23	.84	2.03	1.36	5.19	8.32	10.60
8	8.93	5.79	3.54	2.54	4.32	4.19	.79	2.05	1.71	5.33	8.42	10.66
9	8.99	5.74	3.66	2.76	4.52	4.13	.75	2.29	1.99	5.46	8.54	10.71
10	9.03	5.69	3.74	3.02	4.45	4.12	.74	2.41	1.89	5.56	8.60	10.73
11	9.05	5.54	3.78	3.29	4.65	3.98	.48	2.18	2.13	5.68	8.69	10.80
12	9.08	5.54	3.84	3.48	4.59	4.12	.55	2.32	2.20	5.79	8.77	10.87
13	9.11	5.11	3.96	3.61	4.27	3.94	.76	2.24	2.50	5.95	8.88	10.90
14	9.14	4.43	3.95	3.79	4.40	3.86	.88	2.46	2.78	6.08	8.93	10.96
15	9.12	4.17	3.92	3.83	4.48	4.30	1.04	2.63	3.07	6.20	9.01	11.02
16	9.10	4.21	3.95	3.89	4.35	4.17	1.04	2.72	3.31	6.32	9.09	11.08
17	9.11	4.19	3.82	3.88	4.14	3.98	.85	2.89	3.52	6.46	9.16	11.15
18	9.16	4.27	2.95	4.09	4.19	3.76	.85	3.02	3.67	6.59	9.23	11.22
19	9.16	4.34	2.79	4.15	4.13	3.71	1.06	3.05	3.74	6.67	9.32	11.29
20	9.22	4.43	2.50	4.15	4.11	3.61	1.18	3.11	3.78	6.76	9.37	11.36
21	9.21	4.33	2.55	4.26	4.20	3.55	1.22	3.02	3.75	6.83	9.44	11.43
22	9.10	4.23	2.67	4.17	4.06	3.57	1.02	3.14	3.50	6.91	9.48	11.49
23	8.84	4.04	2.77	3.85	4.18	3.55	.60	3.12	3.36	7.00	9.55	11.58
24	8.61	3.50	2.96	3.61	4.31	3.38	1.02	3.31	3.55	7.13	9.61	11.63
25	8.43	3.24	3.20	3.21	4.43	3.26	1.21	3.06	3.76	7.24	9.67	11.71
26	7.92	3.17	3.39	3.11	4.41	2.95	1.22	2.92	3.94	7.34	9.71	11.78
27	7.32	2.64	3.66	2.95	4.43	2.46	.89	3.11	4.10	7.41	9.78	11.84
28	7.03	2.75	3.71	3.15	4.39	1.87	1.18	3.29	4.22	7.50	9.86	11.79
29	6.87	2.81	3.71	3.24	---	1.43	1.36	3.37	4.34	7.57	9.98	11.53
30	6.80	2.90	3.18	3.43	---	.96	1.48	3.56	4.43	7.65	10.05	11.34
31	6.77	---	2.97	3.52	---	.86	---	3.68	---	7.71	10.13	---
LOW	9.22	6.76	3.96	4.26	4.65	4.49	1.48	3.68	4.43	7.71	10.13	11.84
HIGH	6.77	2.64	2.50	2.50	3.83	.86	.48	1.55	1.36	4.59	7.76	10.20
WTR YR 1993	HIGH 4.8 APR 11 LOW 11.84 SEP 27											

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.

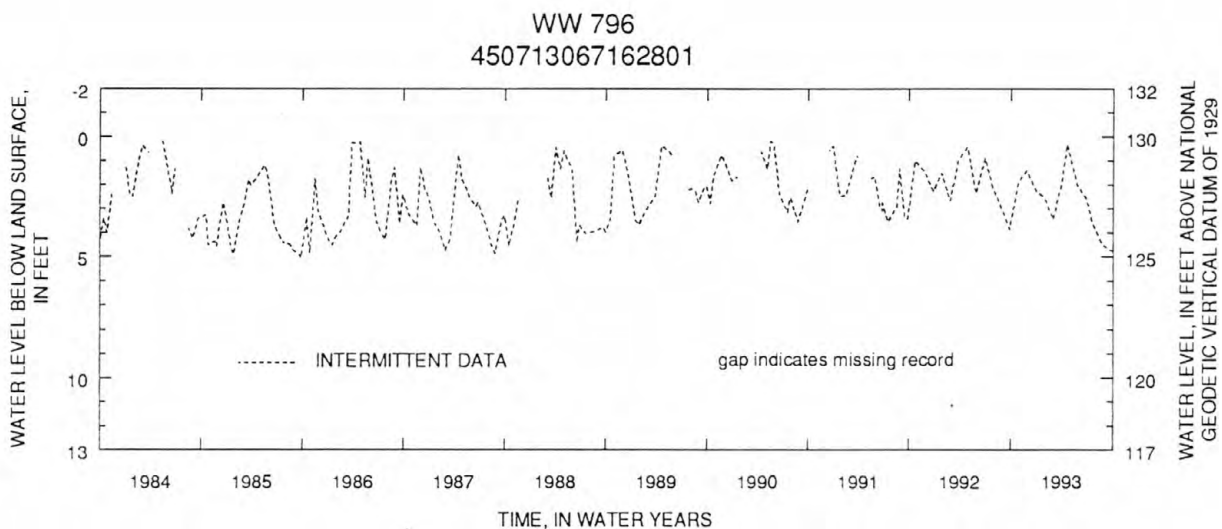
DATUM.--Elevation of land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 0.8 ft above the general land surface.

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 1992 TO SEPTEMBER 1993

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	1.85	DEC 28	2.22	MAR 01	3.45	APR 20	.30	JUN 29	2.60	AUG 25	4.50
NOV 25	1.40	JAN 29	2.57	30	2.00	MAY 26	2.00	JUL 20	3.60	SEP 27	4.75
WTR YR YEAR 1993		HIGH	.30	APR 20	LOW	4.75	SEP 27				

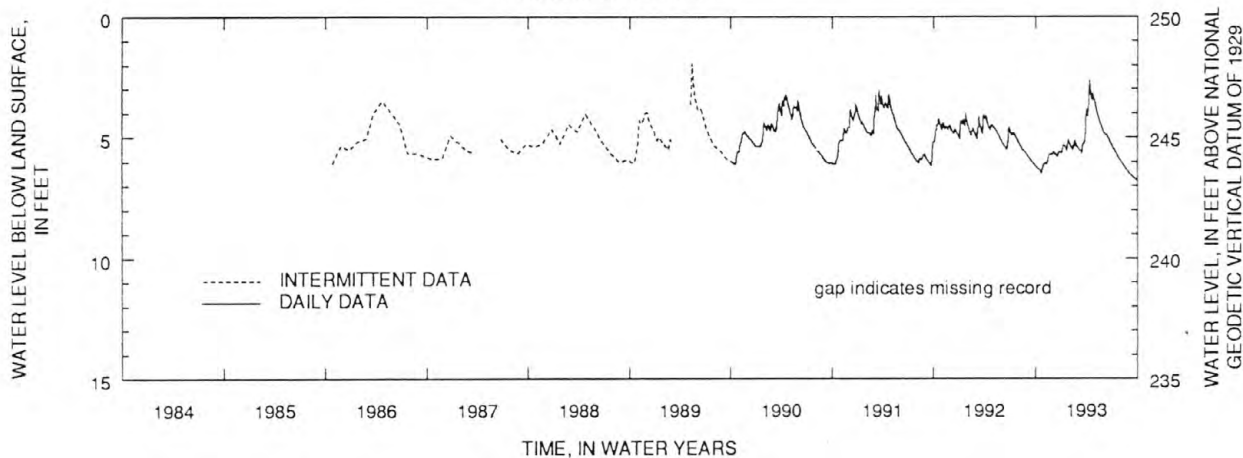


WASHINGTON COUNTY--Continued

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.**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 Geological Survey.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 1.84 ft below land-surface datum, May 14-15, 1989; lowest measured, 6.76 ft below land-surface datum, Sep. 30, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.15	6.08	5.65	5.60	5.27	5.39	3.81	3.54	4.74	5.29	5.92	6.45
2	6.16	6.07	5.63	5.62	5.30	5.41	3.91	3.59	4.76	5.31	5.94	6.47
3	6.17	6.06	5.62	5.63	5.31	5.43	4.01	3.66	4.79	5.33	5.97	6.48
4	6.18	6.05	5.62	5.61	5.33	5.45	4.10	3.70	4.82	5.40	6.00	6.49
5	6.20	6.05	5.61	5.51	5.35	5.45	4.12	3.75	4.84	5.45	6.01	6.50
6	6.22	6.04	5.61	5.42	5.39	5.46	3.99	3.78	4.86	5.45	6.02	6.51
7	6.25	6.06	5.61	5.35	5.41	5.50	3.85	3.84	4.86	5.46	6.04	6.53
8	6.26	6.07	5.64	5.33	5.42	5.51	3.76	3.90	4.88	5.48	6.05	6.54
9	6.26	6.07	5.65	5.33	5.43	5.52	3.71	3.94	4.88	5.48	6.07	6.55
10	6.28	6.07	5.67	5.31	5.45	5.54	3.62	3.99	4.88	5.49	6.09	6.55
11	6.28	6.05	5.67	5.31	5.48	5.54	3.13	4.02	4.89	5.50	6.11	6.57
12	6.28	6.05	5.68	5.31	5.50	5.56	2.62	4.05	4.91	5.53	6.12	6.58
13	6.29	6.03	5.70	5.33	5.44	5.56	2.76	4.09	4.91	5.56	6.14	6.59
14	6.31	5.96	5.71	5.34	5.36	5.55	2.90	4.15	4.91	5.59	6.16	6.60
15	6.31	5.87	5.74	5.36	5.38	5.60	3.04	4.18	4.93	5.60	6.17	6.61
16	6.32	5.81	5.75	5.39	5.40	5.62	3.16	4.21	4.97	5.62	6.19	6.62
17	6.32	5.78	5.75	5.41	5.29	5.60	3.22	4.26	4.99	5.64	6.22	6.63
18	6.34	5.73	5.75	5.44	5.18	5.41	3.14	4.29	5.01	5.66	6.24	6.64
19	6.35	5.71	5.76	5.46	5.16	5.33	3.26	4.31	5.02	5.68	6.26	6.66
20	6.36	5.69	5.70	5.48	5.16	5.30	3.35	4.34	5.05	5.70	6.27	6.66
21	6.39	5.68	5.69	5.52	5.19	5.27	3.42	4.40	5.07	5.72	6.29	6.67
22	6.46	5.68	5.66	5.53	5.20	5.24	3.44	4.43	5.08	5.75	6.30	6.69
23	6.44	5.69	5.63	5.33	5.25	5.23	3.23	4.46	5.11	5.77	6.32	6.70
24	6.43	5.71	5.61	5.28	5.28	5.22	3.18	4.49	5.14	5.79	6.33	6.72
25	6.43	5.71	5.61	5.14	5.31	5.20	3.23	4.53	5.15	5.81	6.34	6.72
26	6.36	5.71	5.61	5.12	5.34	5.19	3.30	4.56	5.18	5.83	6.36	6.73
27	6.27	5.70	5.61	5.11	5.37	5.11	3.39	4.59	5.20	5.85	6.37	6.74
28	6.21	5.71	5.60	5.14	5.38	4.98	3.43	4.62	5.22	5.87	6.39	6.73
29	6.16	5.69	5.60	5.17	---	4.69	3.45	4.65	5.27	5.88	6.41	6.75
30	6.12	5.67	5.60	5.21	---	4.26	3.50	4.69	5.25	5.89	6.43	6.76
31	6.10	---	5.58	5.23	---	3.81	---	4.72	---	5.91	6.44	---
LOW	6.46	6.08	5.76	5.63	5.50	5.62	4.12	4.72	5.27	5.91	6.44	6.76
HIGH	6.10	5.67	5.58	5.11	5.16	3.81	2.62	3.54	4.74	5.29	5.92	6.45
WTR YR 1993	HIGH 2.62 APR 12 LOW 6.76 SEP 30											

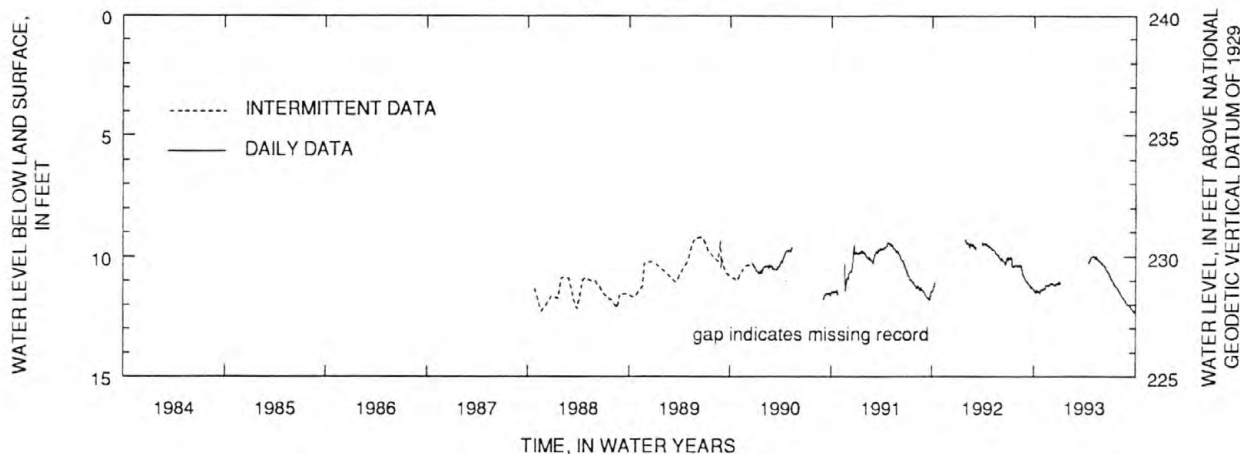
WW 797
445227067520101

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.**REMARKS.**--Records from Jan. 5 to Apr. 15 are under review. Records from Oct. 13 to Jan. 26 and Mar. 9-29 in water year 1992 are also under review.**PERIOD OF RECORD.**--Oct. 1987 to current year.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 9.18 ft below land-surface datum, June 18, 1989; lowest measured, 12.32 ft below land-surface datum, Sep. 26 and 27, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.36	11.37	11.10	11.02	---	---	---	9.97	10.30	10.78	11.40	11.98
2	11.38	11.38	11.13	11.07	---	---	---	9.97	10.25	10.82	11.42	12.00
3	11.38	11.40	11.13	11.11	---	---	---	10.00	10.26	10.86	11.44	12.01
4	11.40	11.36	11.13	11.08	---	---	---	10.00	10.28	10.86	11.46	12.00
5	11.43	11.34	11.11	---	---	---	---	10.00	10.33	10.89	11.47	11.99
6	11.45	11.32	11.10	---	---	---	---	10.00	10.34	10.92	11.50	12.00
7	11.46	11.30	11.10	---	---	---	---	10.00	10.34	10.94	11.52	12.01
8	11.47	11.31	11.10	---	---	---	---	10.02	10.34	10.96	11.54	12.04
9	11.49	11.34	11.11	---	---	---	---	10.03	10.36	10.97	11.56	12.04
10	11.49	11.34	11.15	---	---	---	---	10.04	10.37	11.00	11.58	12.05
11	11.46	11.32	11.15	---	---	---	---	10.05	10.38	11.01	11.61	12.05
12	11.40	11.32	11.15	---	---	---	---	10.04	10.40	11.02	11.64	12.07
13	11.38	11.20	11.15	---	---	---	---	10.05	10.41	11.05	11.65	12.10
14	11.40	11.17	11.15	---	---	---	---	10.04	10.44	11.09	11.65	12.12
15	11.41	11.19	11.16	---	---	---	---	10.07	10.46	11.11	11.67	12.13
16	11.43	11.19	11.18	---	---	---	10.28	10.07	10.49	11.13	11.68	12.16
17	11.43	11.20	11.17	---	---	---	10.25	10.09	10.51	11.15	11.71	12.19
18	11.45	11.21	11.15	---	---	---	10.21	10.10	10.54	11.18	11.72	12.19
19	11.46	11.20	11.15	---	---	---	10.18	10.12	10.57	11.20	11.73	12.21
20	11.48	11.20	11.14	---	---	---	10.17	10.13	10.58	11.21	11.75	12.23
21	11.48	11.20	11.12	---	---	---	10.16	10.13	10.60	11.21	11.76	12.25
22	11.50	11.18	11.12	---	---	---	10.12	10.15	10.60	11.21	11.78	12.27
23	11.48	11.18	11.12	---	---	---	10.05	10.15	10.60	11.23	11.80	12.28
24	11.48	11.20	11.09	---	---	---	10.02	10.18	10.63	11.26	11.82	12.29
25	11.45	11.20	11.12	---	---	---	10.02	10.18	10.65	11.26	11.84	12.31
26	11.39	11.20	11.10	---	---	---	10.03	10.19	10.66	11.28	11.86	12.32
27	11.37	11.16	11.11	---	---	---	10.00	10.21	10.68	11.29	11.87	12.32
28	11.38	11.14	11.12	---	---	---	10.00	10.22	10.71	11.30	11.89	12.26
29	11.37	11.14	11.11	---	---	---	10.00	10.23	10.73	11.31	11.92	12.24
30	11.37	11.12	11.08	---	---	---	9.98	10.24	10.75	11.36	11.94	12.24
31	11.37	---	11.05	---	---	---	---	10.29	---	11.38	11.97	---
LOW	11.50	11.40	11.18	11.11	---	---	10.28	10.29	10.75	11.38	11.97	12.32
HIGH	11.36	11.12	11.05	11.02	---	---	9.98	9.97	10.25	10.78	11.40	11.98
WTR YR 1993	HIGH 9.97 MAY 1,2 LOW 12.32 SEP 26,27											

WW 922
444526068013301

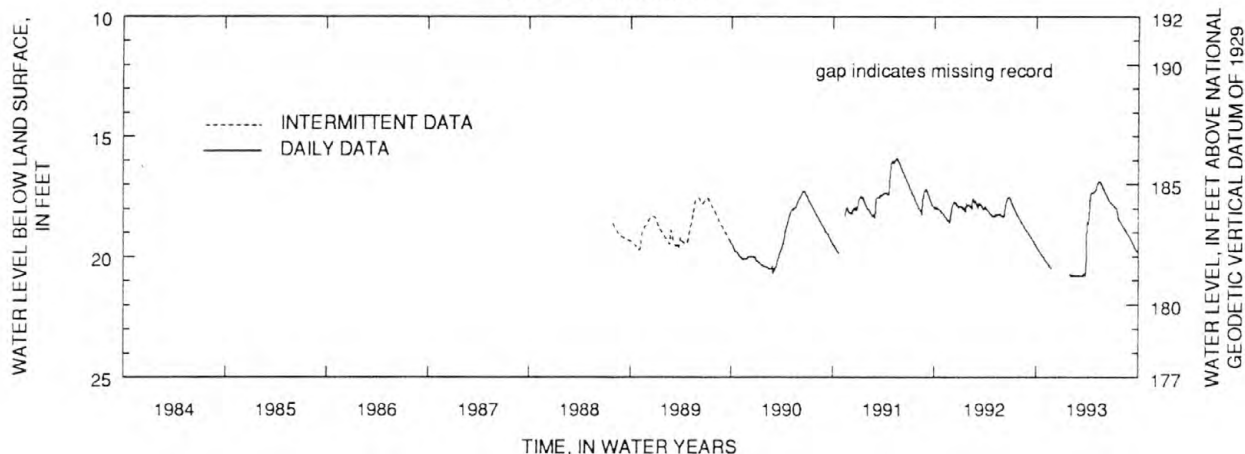
YORK COUNTY

432310070393301. Local number, YW 807.

LOCATION.--Lat 43°23'10", long 70°39'33", Hydrologic Unit 01060003, about 4.5 mi southeast of South Sanford. Owner: U.S. Geological Survey.**AQUIFER.**--Ice-contact glaciofluvial deposits of Pleistocene age.**WELL CHARACTERISTICS.**--Wash-bored unconfined observation well, diameter 2 in., measured depth 39 ft, screened depth 34 to 39 feet, screen slot size 0.010 in.**INSTRUMENTATION.**--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.**DATUM.**--Elevation of land-surface datum is 202 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum.**REMARKS.**--Record lost Nov. 24 to Jan. 28 because of vandalism.**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 Geological Survey.**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 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 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.54	20.13	---	---	20.77	20.78	18.56	17.21	17.24	17.85	18.62	19.21
2	19.57	20.13	---	---	20.79	20.79	18.55	17.19	17.28	17.85	18.65	19.23
3	19.58	20.15	---	---	20.79	20.79	18.57	17.16	17.31	17.84	18.66	19.25
4	19.60	20.17	---	---	20.79	20.79	18.60	17.10	17.32	17.86	18.67	19.28
5	19.62	20.18	---	---	20.78	20.80	18.61	17.06	17.35	17.89	18.70	19.29
6	19.64	20.20	---	---	20.79	20.80	18.53	17.01	17.36	17.90	18.73	19.31
7	19.66	20.21	---	---	20.78	20.80	18.41	16.98	17.39	17.91	18.74	19.34
8	19.67	20.23	---	---	20.77	20.79	18.29	16.97	17.43	17.91	18.76	19.38
9	19.69	20.25	---	---	20.77	20.79	18.19	16.96	17.44	17.92	18.78	19.40
10	19.71	20.26	---	---	20.78	20.79	18.08	16.94	17.46	17.94	18.81	19.42
11	19.72	20.28	---	---	20.78	20.81	17.77	16.89	17.49	17.96	18.82	19.44
12	19.75	20.29	---	---	20.78	20.80	17.55	16.88	17.52	17.97	18.83	19.46
13	19.77	20.31	---	---	20.78	20.80	17.42	16.88	17.55	17.98	18.84	19.49
14	19.79	20.33	---	---	20.80	20.80	17.40	16.88	17.57	17.98	18.87	19.50
15	19.82	20.34	---	---	20.79	20.81	17.37	16.88	17.60	17.98	18.89	19.52
16	19.83	20.36	---	---	20.79	20.81	17.35	16.89	17.61	18.00	18.91	19.56
17	19.84	20.37	---	---	20.79	20.80	17.34	16.91	17.64	18.07	18.92	19.58
18	19.86	20.39	---	---	20.78	20.76	17.34	16.92	17.65	18.13	18.95	19.62
19	19.88	20.42	---	---	20.79	20.73	17.34	16.92	17.69	18.19	18.96	19.63
20	19.90	20.44	---	---	20.80	20.73	17.33	16.93	17.72	18.25	18.97	19.65
21	19.91	20.45	---	---	20.79	20.74	17.32	16.96	17.72	18.31	19.02	19.68
22	19.92	20.46	m20.02	---	20.79	20.75	17.31	16.99	17.73	18.37	19.05	19.71
23	19.95	20.48	---	---	20.80	20.76	17.31	17.01	17.74	18.43	19.05	19.72
24	19.97	---	---	---	20.80	20.77	17.34	17.04	17.76	18.47	19.06	19.73
25	19.99	m20.51	---	---	20.80	20.78	17.31	17.06	17.76	18.48	19.07	19.76
26	20.00	---	---	---	20.79	20.76	17.30	17.09	17.77	18.50	19.07	19.78
27	20.01	---	---	---	20.78	20.59	17.30	17.12	17.78	18.51	19.10	19.81
28	20.04	---	---	---	20.78	20.34	17.29	17.15	17.79	18.53	19.11	19.76
29	20.04	---	---	20.75	---	20.08	17.27	17.16	17.82	18.55	19.14	19.81
30	20.10	---	---	20.75	---	19.32	17.23	17.21	17.84	18.57	19.18	19.85
31	20.11	---	---	20.75	---	18.70	---	17.24	---	19.60	19.19	---
LOW	20.11	---	---	---	20.80	20.81	18.61	17.24	17.84	18.60	19.19	19.85
HIGH	19.54	---	---	---	20.77	18.70	17.23	16.88	17.24	17.84	18.62	19.21
WTR YR 1993	HIGH 16.88 MAY 12-15 LOW 20.81 MAR 11, 15, 16											

m Measured

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.

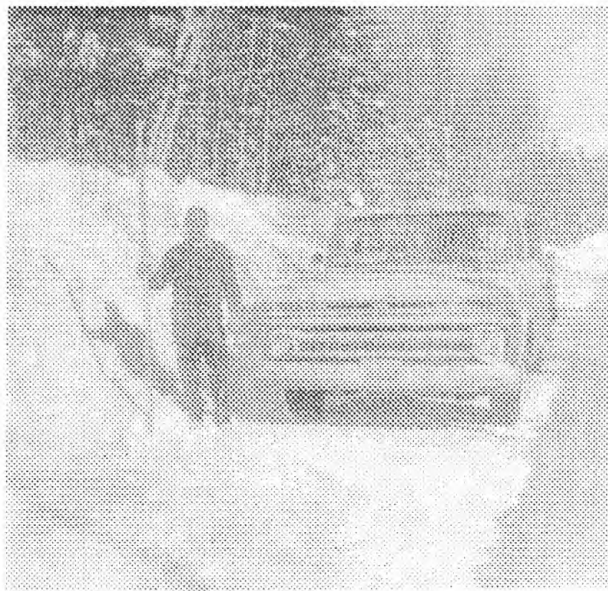
REMARKS.--Estimated daily precipitation: Jan. 1-7. For estimated period, total rainfall is known. Rainfall distributed over period based on records at nearby stations. Gage is operated in conjunction with streamflow gage 01054200, Wild River at Gilead, ME. Satellite precipitation telemeter at station.

RAINFALL ACCUMULATED (INCHES), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	e.1	.2	.0	.8	.0	1.1	.0	.0	.3
2	.0	.0	.0	e.0	.0	.0	.0	.0	.0	.0	.1	.0
3	.0	.5	.1	e.0	.0	.0	.2	.0	.0	.0	.0	.0
4	.0	.0	.0	e.2	.2	.0	.0	.0	.0	.0	.2	.0
5	.0	.1	.0	e.5	.0	.5	.0	.0	.0	.0	.0	.0
6	.0	.3	.0	e.0	.0	.5	.0	.0	.7	.0	.0	.5
7	.0	.0	.1	e.0	.0	.0	.0	.0	.1	.0	.0	.1
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.2	.0	.6	.1
10	1.0	.0	.0	.0	.0	.2	1.0	.0	.1	.0	.0	.2
11	.1	.0	.0	.0	.0	.5	.6	.1	.1	.0	.1	.1
12	.2	.2	.0	.0	.4	.0	1.0	.2	.0	.0	.0	.0
13	.0	1.3	.0	.3	1.1	.9	.1	.5	.1	.0	.0	.0
14	.0	.0	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.1	1.1	.0	.0	.0	.1	.4	.0	.0
17	.3	.0	.7	.0	.2	.1	1.7	.1	.0	.0	.0	.2
18	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5	.2
19	.0	.0	.0	.0	.1	.0	.0	.0	.3	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.2	.0
21	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0
22	.1	.1	.0	.7	.5	.0	.2	.1	.4	.1	.0	.0
23	.0	.5	.0	.1	.3	.0	.7	.0	.0	.0	.0	.3
24	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.5	.1
25	.3	.3	.0	.2	.0	.0	.0	.3	.0	.0	.1	.0
26	.2	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.6
27	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.8
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
29	.0	.0	.1	.0	---	.4	.0	.0	.0	.9	.0	.1
30	.0	.0	.2	.0	---	.3	.0	.0	.0	1.3	.0	.0
31	.0	---	.0	.2	---	.0	---	.1	---	.1	.0	---
TOTAL	2.5	3.8	1.4	2.7	4.1	4.2	6.5	1.4	3.3	3.5	2.5	3.8

CAL YR 1992 TOTAL 44.9
WTR YR 1993 TOTAL 39.7

e Estimated



Snow sampling near Gilead
February 1969

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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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