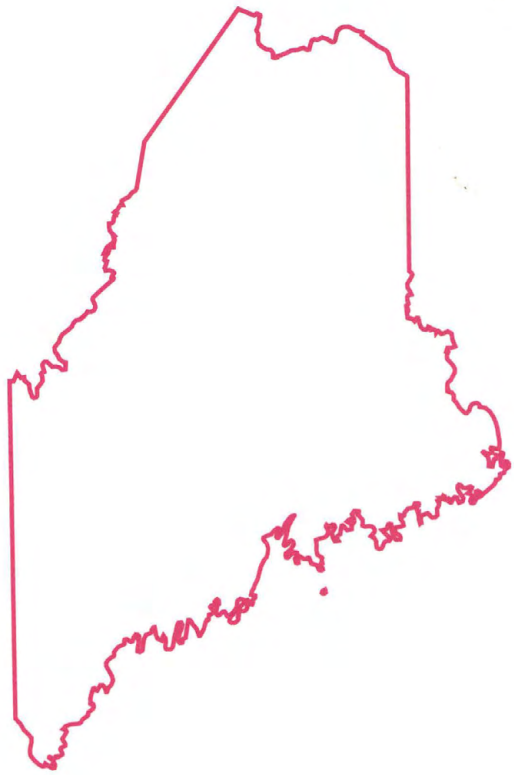
Water Resources Data
Maine
Water Year 1992



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-92-1
Prepared in cooperation with the State of Maine
and with other agencies

CALENDAR FOR WATER YEAR 1992

1991

OCTOBER

S	M	T	W	T	F	S
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1992

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SEPTEMBER

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Water Resources Data
Maine
Water Year 1992

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

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-92-1
Prepared in cooperation with the State of Maine
and with other agencies

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

U. S. GEOLOGICAL SURVEY
Dallas L. Peck, Director

For additional information write to
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Water Resources Division
U.S. Geological Survey
26 Ganneston Drive
Augusta, ME 04330

1993

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:

Andrew R. Cloutier
Gordon R. Keezer
Scott A. Olson
Joel A. Petersen

Michael A. Cervione and Bruce S. Davies, III, Hartford, CT, John A. Colman, Marlborough, MA and William J. Nichols, Jr., Augusta, ME, reviewed portions of the report.

Gloria L. Morrill prepared the illustrations for the report.

Helen D. Wyman typed the manuscripts and coordinated the word processing of the report.

This report was prepared in cooperation with the State of Maine and with other agencies under the general supervision of Derrill J. Cowing, Maine District Chief.

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15. Supplementary Notes

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

16. Abstract (Limit: 200 words)

The Water Resouces 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 1992 water year for Maine consist 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 49 gaging stations; stage records for 2 lakes; month-end contents for 17 lakes and reservoirs; water-quality data for 12 gaging stations; water levels for 31 ground-water wells; and daily precipitation totals at 1 site. Additional water data were collected at other sites, not part of the systematic data collection program, and are published as miscellaneous measurements.

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

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Department of Commerce

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ILLUSTRATIONS

TABLES

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

[Letters after station name designate type of data collected: (d) discharge, (c) chemical,(b) biological, (s) sediment, (p) physical, (m) water-quality monitor, (e) elevation, gage heights, or contents.]

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

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

Station Name	Station Number	Drainage Area(mi^2)	Period of Record
St. John River Basin			
Shields Branch Big Black River near Seven Islands, ME	01010100	161	1977-80
St. John River above Fish River at Fort Kent, ME	01012500	4,790	1906-15
Clayton Stream at outlet of Clayton Lake, ME	01012515	13.9	1982-84
Bald Mountain Brook near Bald Mountain, ME	01012520	1.73	1981-84
Bishop Mountain Brook near Bishop Mountain , ME	01013535	1.15	1981-84
Fish River at inlet of Fish River Lake, ME	01012570	70.3	1982-84
St. John River at Van Buren, ME	01015000	8,174	1908-28
Machias River near Ashland, ME	01016500	329	1951-83
Aroostook River at Fort Fairfield, ME	01017500	2,230	1903-10
Marley Brook near Ludlow, ME	01017900	1.47	1964-82
Meduxnekeag River near Houlton , ME	01018000	175	1940-82
St. Croix River Basin			
St. Croix River near Baileyville, ME	01020000	1,315	1919-83
Machias River at Whitneyville, ME	01021500	457	1905-09 1909-21 1929-77
East Machias River near East Machias, ME	01022000	251	1926-26 1927-58
Pleasant River Basin			
Taylor Brook at the Great Heath, ME	01022250	7.06	1980-82
Pleasant River near Epping, ME	01022260	60.6	1980-91
Union River Basin			
West Branch Union River at Amherst, ME	01023000	148	1916-39 1929-79
Garland Brook near Mariaville, ME	01024200	9.79	1964-82
Green Lake Stream at Lakewood, ME	01025000	47.0	1909-12 1912-13
Branch Lake Stream near Ellsworth, ME	01026000	31.0	1909-13
Penobscot River Basin			
West Branch Penobscot River near Medway, ME	01028000	2,115	1916-39
East Branch Penobscot River at Grindstone, ME	01029500	1,086	1902-03 1904-06 1907-79 1979-82
Penobscot River near Mattawamkeag, ME	01030000	3,356	1940-91
Mattawamkeag River at Mattawamkeag, ME	01031000	1,500	1902-34
Morrison Brook near Sebec Corners, ME	01031600	4.37	1964-77
Pleasant River near Milo, ME	01033500	324	1920-79
Passadumkeag River at Lowell, ME	01035000	299	1915-79
Cold Stream at Enfield, ME	01035500	28.5	1904-07
Penobscot River at Passadumkeag, ME	01036000	7,000	1938-58
Kenduskeag Stream near Kenduskeag, ME	01036500	178	1941-79
Kenduskeag Stream near Bangor, ME	01037000	195	1908-19

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station Name	Station Number	Drainage Area (mi^2)	Period of Record
Damariscotta River Basin			
Tributary A, Little Pond near Damariscotta	01037700	0.31	1977-78
Kennebec River Basin			
Moose River near Rockwood, ME	01039000	708	1919-25
Kennebec River at Moosehead, ME	01041000	1,268	1919-82
Dead River near Dead River, ME	01043500	516	1939-82
Dead River at The Forks, ME	01045000	872	1902-07 1910-79
Austin Stream at Bingham , ME	01046000	90.3	1913-69
Sandy River near Farmington, ME	01047500	242	1910-15
Wilson Stream at East Wilton, ME	01047730	45.8	1977-84
Kennebec River at Waterville, ME	01048500	4,270	1894-35
Johnson Brook at South Albion, ME	01049130	2.92	1980-91
Cold Brook near North Belgrade, ME	01049218	0.85	1978-79
Hatchery Brook at North Belgrade , ME	01049221	8.83	1977-79
Stony Brook near South Vassalboro, ME	01049270	3.00	1979-80
North Branch Tanning Brook near Manchester , ME	01049300	0.93	1963-83
Jock Stream at South Monmouth , ME	01049396	13.7	1977-84
Androscoggin River Basin			
Ellis River at South Andover, ME	01054300	130	1963-82
Pennesseewassee Lake Outlet at Norway, ME	01057510	30.3	1982-83
Thompson Lake Outlet at Oxford, ME	01058005	47.7	1975-75 1976-78 1981-82
Little Androscoggin River near Auburn, ME	01058500	328	1940-82
Hooper Brook at Sprague Mill, ME	01059090	8.30	1978-80
Cathance River near Topsham, ME	01059500	36.4	1952-55
Royal River Basin			
Collyer Brook near Gray , ME	01059800	13.8	1964-82
Saco River Basin			
Ossipee River at Effingham Falls, NH	01065000	330	1943-90
Little Ossipee River near South Limington, ME	01066500	168	1940-82
Saco River at West Buxton , ME	01067000	1,572	1909-16 1919-40
Saco River at Salmon Falls, ME	01067500	1,595	1938-48
Mousam River Basin			
Littlefield River at Alfred, ME	01068980	21.6	1978-80
Mousam River near West Kennebunkport, ME	01069500	99.0	1939-84
Piscataqua River Basin			
Salmon Falls River near South Lebanon, ME	01072500	147	1928-69

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as **continuous-recording** surface-water-quality 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 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	1976
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

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.

The following stations were discontinued as **continuing-record** suface-water-quality stations. Samples were collected and analyzed for various record types for the period of record (in water years) and the number of samples shown.

Discontinued continuing-record surface-water-quality 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(1)
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 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)

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
441507070310201	OW 413	Oxford	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

WATER RESOURCES DATA - MAINE 1992

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 49 gaging stations; stage records at 2 lakes; month-end contents at 17 lakes and reservoirs; water quality data at 12 gaging stations; water levels at 31 observation wells; and daily precipitation totals at 1 site. Locations of these sites are shown on figures 1-3. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous data. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Maine.

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

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

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report ME-92-1." 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,
W. J. Vail, Commissioner
Maine Department of Transportation,
D. F. Conners, Commissioner
Cobbossee Watershed District,
W.J. Monagle, Executive Director
Androscoggin Valley Council of Governments,
J. J. Jaworski, Executive Director
North Kennebec Regional Planning Commission,
E. Keene, Planning Director
Greater Portland Council of Governments,
J. D. Bubier, Executive Director
Penobscot Valley Council of Governments,
D. Meagher, Director
University of Maine,
P.D. Uttormark, Assistant Vice President
Northern Maine Regional Planning Commission,
R. Clark, Executive Director

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.

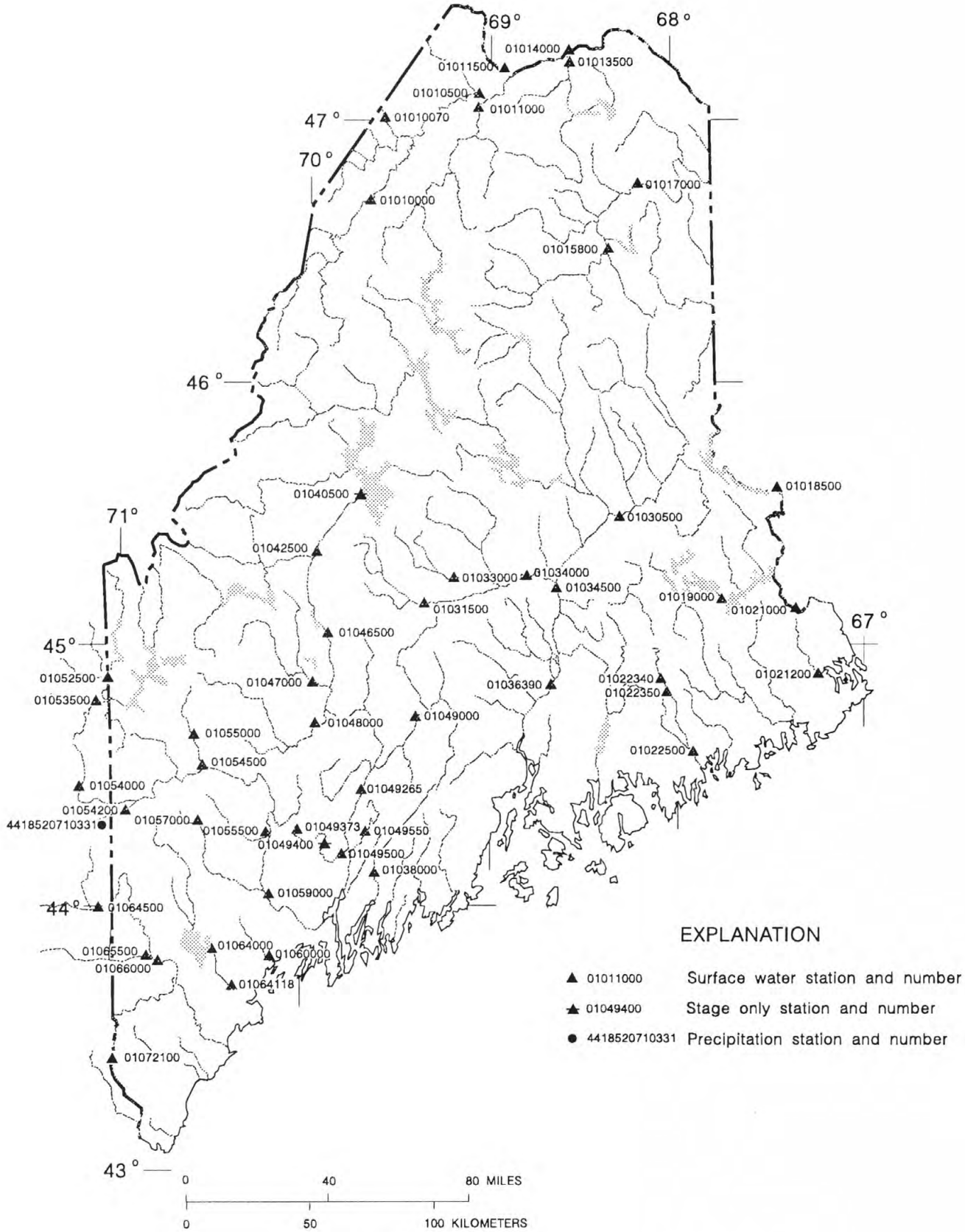


Figure 1.--Location of active surface-water gaging stations.

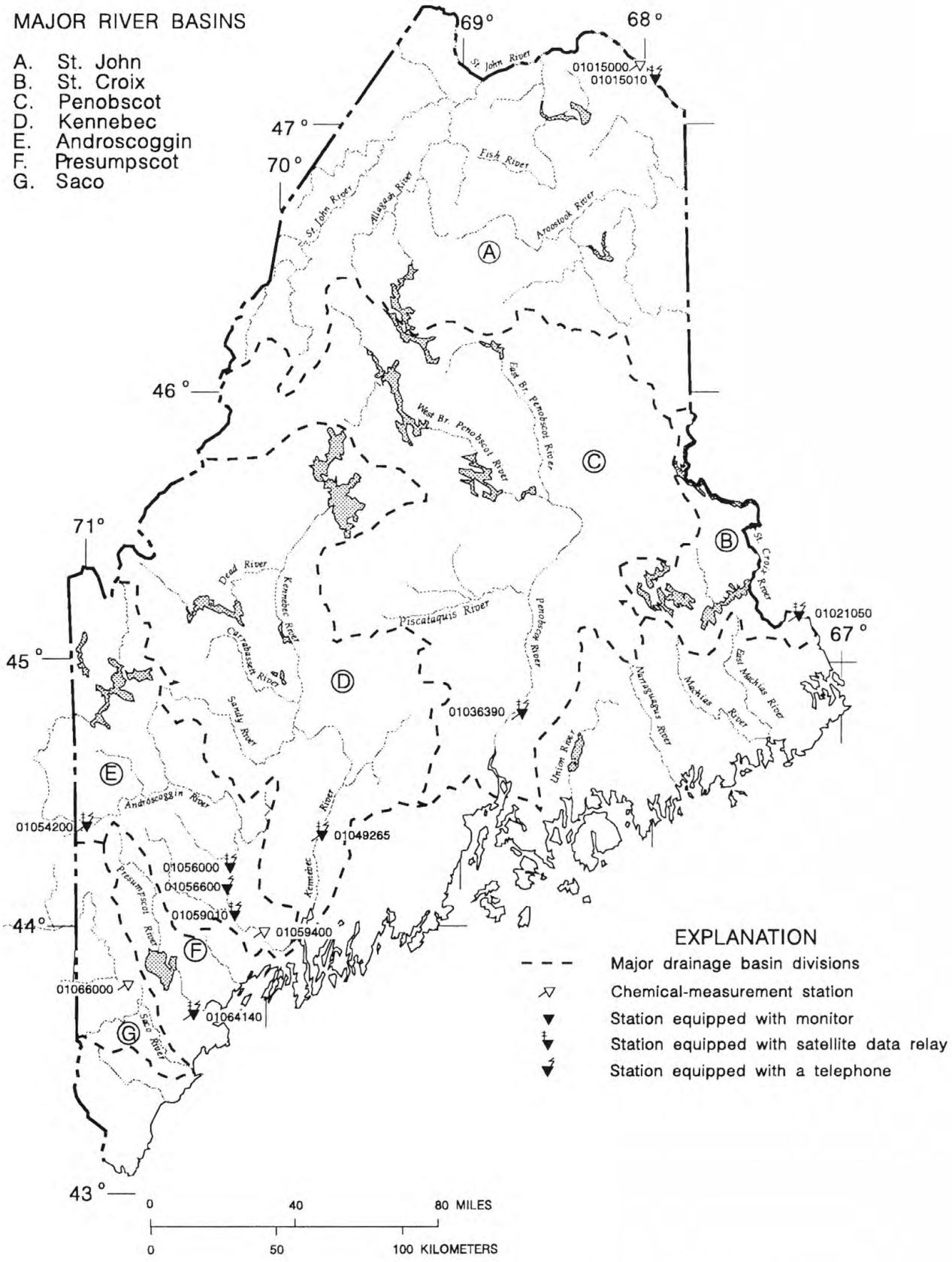


Figure 2.--Location of active surface-water quality data-collection stations.

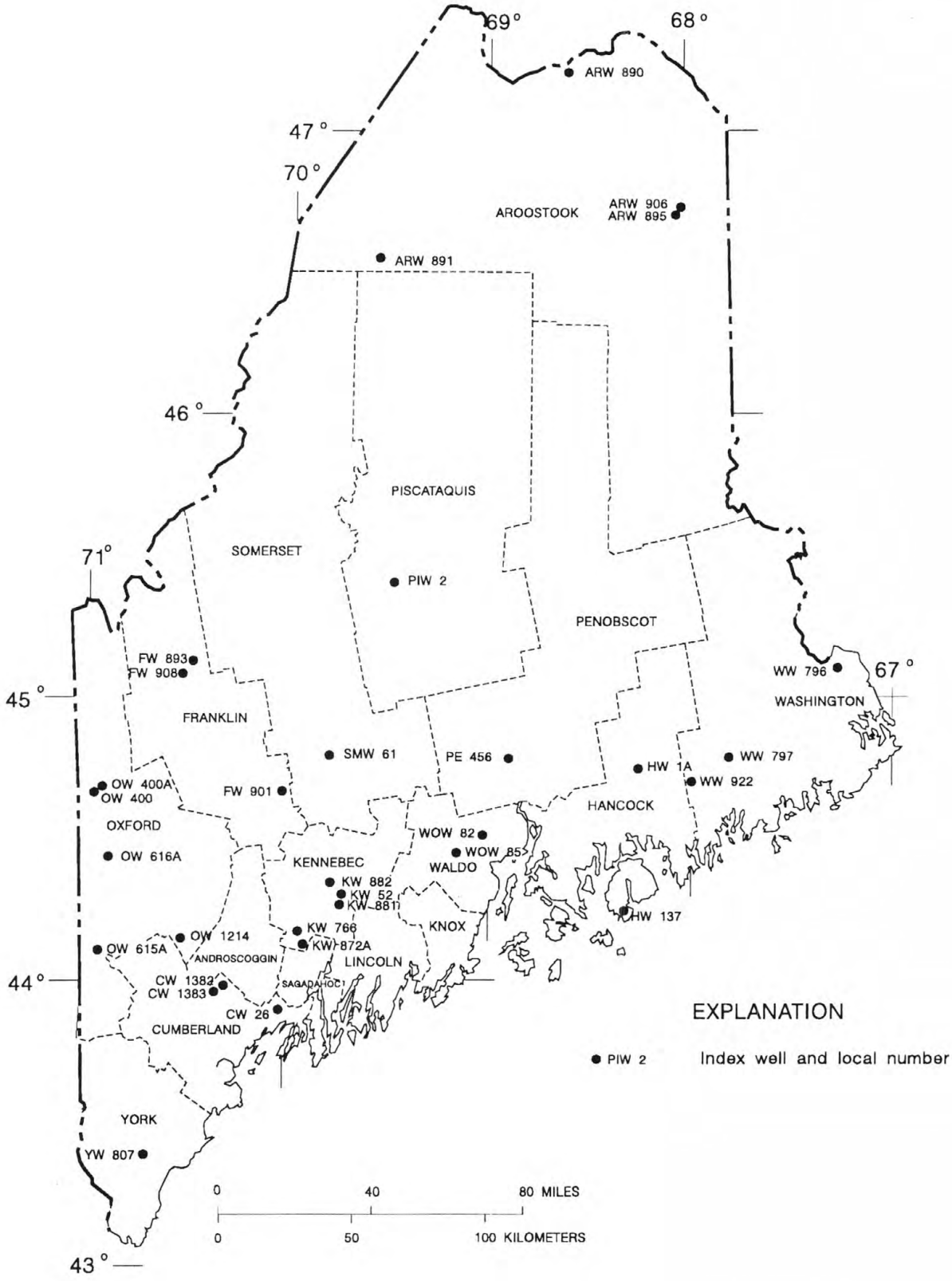


Figure 3.--Location of active ground-water data collection stations.

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

Bangor Hydro-Electric Company
Boise Cascade
Central Maine Power Company
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
Swift River 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 1992 water year was characterized by flows in the normal range following the above normal flows in water year 1991 (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 44 of 46 sites. The two exceptions were the St. Francis River and the Fish River which were in the above normal range. . Annual peak flows had less than a 2-year recurrence interval at 26 sites, a 2- year to 5-year recurrence interval at 17 sites, and a 5-year to 10-year recurrence interval at 3 sites. The greatest recurrence interval peak flows were associated with the spring freshet in the St. John River basin. Minimum flows at 3 sites were equaled or exceeded 99 percent of the time and minimum flows at 33 sites were 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	*normal; below normal in central Maine*
January	*above normal; normal in western Maine*
February	*normal*
March	*normal; above normal in central Maine*
April	*below normal; normal in northern Maine;*
May	*below normal;*
June	*normal; below normal in a small area of central Maine*
July	*normal; above normal in northern and eastern Maine*
August	*above normal; normal in small areas of western and central Maine*
September	*normal; above normal in southern and central Maine; below normal in eastern Maine*

Usable surface-water storage in seven reservoir systems in Maine totaled 113,349 million ft^3 (cubic feet) at the beginning of the water year; this volume is 63 percent of capacity and 106 percent of the long-term average storage at the beginning of water year. Usable storage increased during October, and November, and then began a steady seasonal decline to the 1992 water-year minimum at the end of February, when storage was 82,436 million ft^3 (46 percent of capacity, and 112 percent of the long-term average storage at the end of February). Usable storage increased during April, May and June to the 1992 maximum of 163,541 million ft^3 (91 percent of capacity and 106 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 112,983 million ft^3 (63 percent of capacity and 106 percent of long-term end-of-water-year average storage.

Precipitation, as reported by the National Weather Service, ranged from 80 to 111 percent of median at 9 sites providing statewide precipitation data. Table 1 summarizes annual precipitation data at the 9 selected sites during the 1992 water year.

Table 1. --Precipitation at selected locations in Maine for the 1992 water year

Station Location	Precipitation		Departure (inches)	Percentage of median
	Actual Oct-Sept (inches)	Median Oct-Sept (inches)		
Fort Kent	40.04	36.12	3.92	111
Caribou	37.74	36.59	1.15	103
Houlton	34.46	37.20	-2.74	93
Brassau Dam	41.24	39.29	1.95	105
Jackman	39.87	37.08	2.79	108
Eastport	37.17	43.82	-6.65	85
Ellsworth	37.23	46.41	-9.18	80
Rumford	42.00	43.84	-1.84	96
Portland	40.75	43.52	-2.77	94

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.

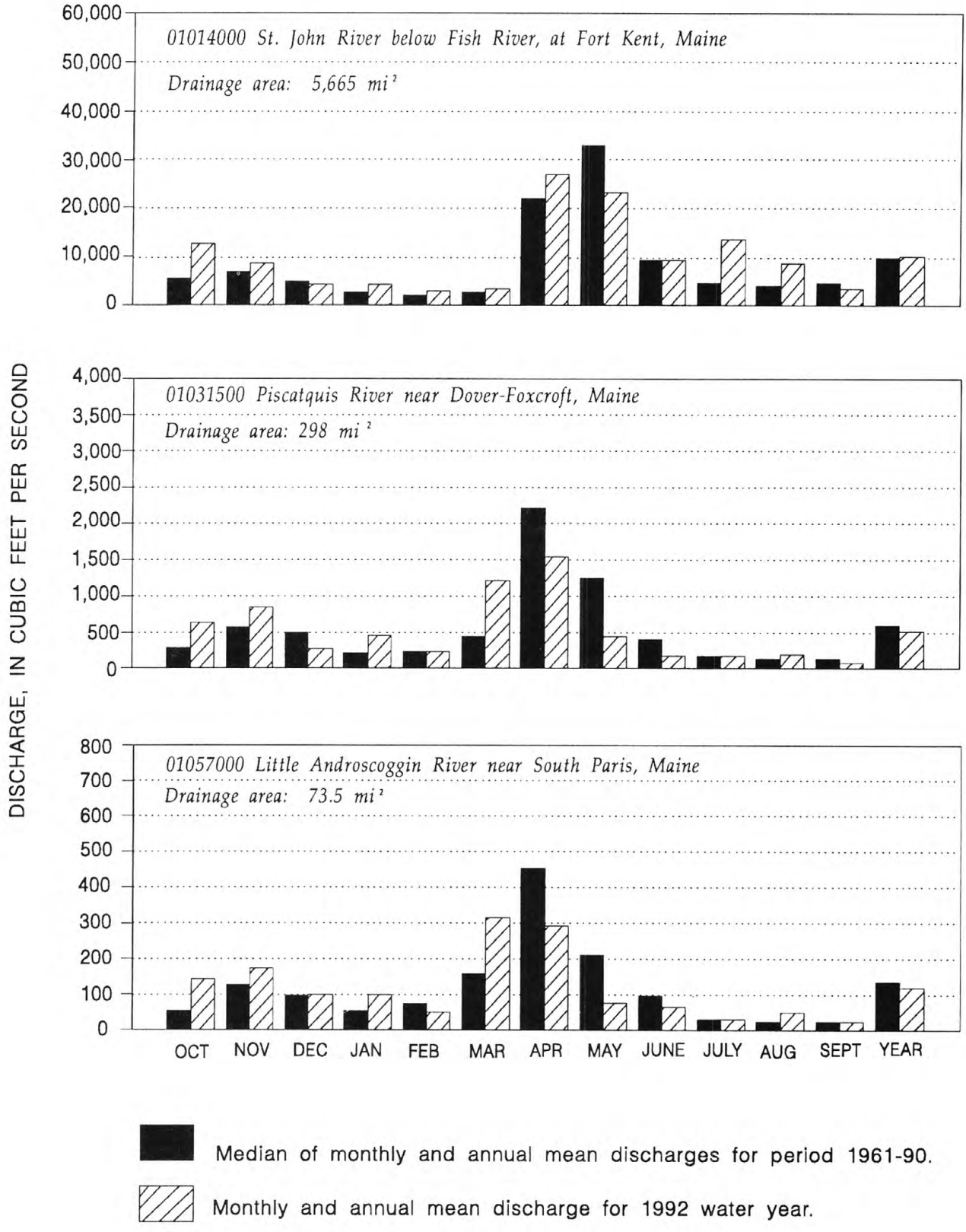


Figure 4.--Comparison of discharge at three long-term index gaging stations during 1992 water year with median discharge for period 1961-90.

Water-quality data from 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 monitoring network was increased from eight stations to nine with the re-establishment of a water-temperature monitor at the Wild River at Gilead, Maine Hydrologic Bench-mark station in November 1992. Two additional monitoring levels (5 and 35 ft.) were installed in June 1992 at the Gulf Island Pond Dam station to record specific conductance, water temperature and dissolved oxygen.

The ground-water observation well network consisted of 31 wells during the 1992 water year. Monthly ground-water levels for Maine are summarized as follows:

October	*above normal;*
November	*normal; above normal in western Maine*
December	*normal; above normal in western Maine*
January	*normal; above normal in western and eastern Maine*
February	*normal; above normal in southern Maine; below normal in western Maine*
March	*normal; below normal in areas around Middle Dam; above normal in area around Eustis and Oxford*
April	*normal;*
May	*normal; below normal in southern and western Maine*
June	*normal*
July	*above normal; above normal; normal in central and southwestern Maine*
August	*normal; below normal along the northern border with New Hampshire and northern Maine*
September	*normal; below normal along the northern border with New Hampshire, central and southern Maine*

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 Calais well were record month-end highs in January and July. Acadia Park had a record month-end-high water level in January and a record month-end low water level in May. Kenduskeag had a record month-end high in January, and record month-end lows in June, July and August. Oxford had a record month-end high water level in October.

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 1992 water year that began October 1, 1991, and ended September 30, 1992. 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 streamsite 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 indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

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

Latitude-Longitude System

The identification numbers for wells 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).

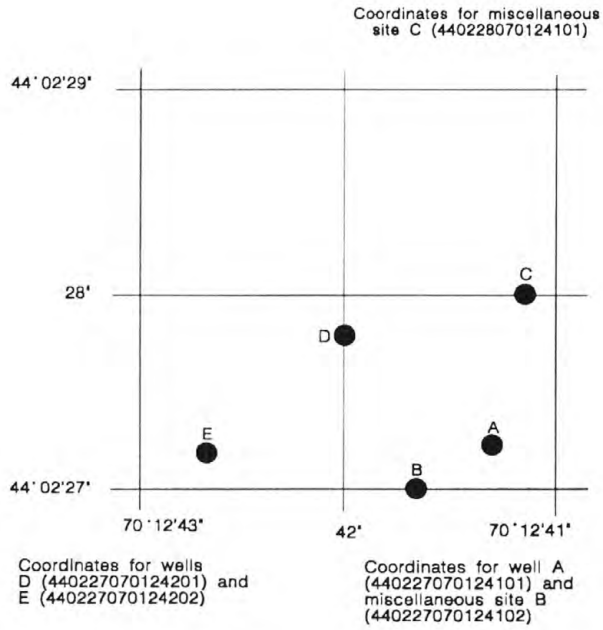


Figure 5.--System for numbering wells and miscellaneous sites (latitude and longitude).

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 some 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 perferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four 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; and 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.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as

appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

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

The data 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 REMARKS paragraph of the manuscript or in footnotes. 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 REMARKS paragraph in the manuscript or a footnote 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 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 beens exceeded 90 percent of the time for the designated period.

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 measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. 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 of the New England Program Area. 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 onsite 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 onsite 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 continous 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.

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 (µ/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's and 100's of nanograms per liter (ng/L). Present data above the mg/L level should be viewed with caution. Such data actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analyses. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey 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 preceeding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, and extremes for parameters currently measured daily. Tables of water-quality data, including chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, and dissolved oxygen data from water-quality monitor recorders follow in sequence.

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

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

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

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

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

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

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

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

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

Remark Codes

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

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

Records of Ground-Water Levels

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

Data Collection and Computation

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

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

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

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

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

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

Records of Ground-Water Quality

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 Ricco 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.

Blank pages are intentionally inserted in the report in order to comply with publication guidelines.

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 [$(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming 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, µg/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 sedimentaiton 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:

Classification	Size (mm)			Method of analysis
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 hyrogen ion concentration of a solution; pH values range from 0 to 14--the lower the value, the more acid is the 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) x discharge (ft^3/s) x 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 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 abbreviaton 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. Scott 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. Scott 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 Warren 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.

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

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

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.

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

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

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

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

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.

6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

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

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffrannek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

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

3-A11. *Measurement of discharge by 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, N. 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.

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

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

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction,* by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

3-B6. *The principle of superposition and its application in ground-water hydraulics,* by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by Eliezer J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.

3-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment,* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

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

4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

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

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

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 (µg/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 µg/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.

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46°42'00", long 69°42'59", Aroostook County, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.
DRAINAGE AREA.--1,341 mi^2.
PERIOD OF RECORD.--Discharge: October 1950 to current year.
Chemical analyses: Water years 1976, 1981.
Specific conductance:October 1975 to September 1980.
Water temperatures:October 1975 to September 1980.
REVISED RECORDS.--WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 931.26 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Nov. 9-13, 16-20 and Nov. 27 to Apr. 21. Records good, except for periods of ice effect, Nov. 9-13, 16-20 and Nov. 27 to Apr. 21, which are poor. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft^3/s, May 1, 1974, gage height, 12.63 ft; maximum gage height, 23 ft, Apr. 11, 1991, estimated from flood marks (backwater from ice); minimum discharge, 59 ft^3/s, Sept. 5, 1953; minimum gage height, 0.25 ft, Sept. 5, 1953, Sept. 11, 12, 1960, July 27, 1989.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,400 ft^3/s, Apr. 23, gage height,10.66; minimum daily discharge, 172 ft^3/s, Mar. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1430	1590	e1490	e385	e760	e221	e2160	12100	646	1700	1110	1060
2	1930	1680	e1380	e355	e690	e209	e2290	11700	629	1460	5600	1090
3	2090	1680	e635	e325	e625	e197	e2380	12400	623	1110	5400	808
4	2000	1570	e520	e300	e560	e187	e2200	15400	605	886	3890	628
5	1950	1380	e450	e410	e510	e178	e1870	12300	487	913	5060	557
6	1930	1180	e385	e620	e455	e175	e1650	8780	459	2380	6090	518
7	9060	1050	e350	e950	e420	e172	e1500	6660	584	3650	3900	458
8	11700	976	e330	e1420	e375	e217	e1400	5800	948	3040	2540	403
9	9210	e745	e610	e1380	e340	e287	e1470	5890	883	2500	1770	373
10	6480	e491	e900	e1090	e310	e370	e1610	6830	711	7250	1330	366
11	4670	e402	e1120	e840	e285	e490	e1900	6910	552	6740	1060	547
12	3880	e381	e1120	e670	e260	e635	e1980	5810	455	4720	883	1050
13	4630	e628	e1010	e530	e245	e840	e1830	4850	417	4130	754	1010
14	4380	885	e1490	e415	e227	e1090	e1670	5200	391	7080	635	734
15	3530	851	e1950	e445	e212	e1410	e1500	6070	361	6990	555	555
16	2990	e876	e2170	e540	e202	e1800	e1320	5050	323	5230	483	440
17	3790	e1200	e1870	e640	e210	e1540	e1200	4070	270	3570	442	401
18	3690	e1620	e1650	e610	e218	e1380	e1150	3380	234	2910	415	545
19	3110	e1480	e1450	e490	e224	e1200	e2000	2600	206	3000	426	601
20	3170	e1470	e1300	e385	e229	e1090	e4000	2190	198	2350	445	539
21	3290	3340	e1180	e310	e232	e990	e8000	1870	375	2170	454	450
22	2850	5700	e1040	e275	e236	e900	19500	1620	2540	2600	431	416
23	2700	4910	e930	e258	e238	e840	29700	1420	10000	1960	382	1390
24	2410	3910	e840	e340	e239	e780	29900	1240	10300	1470	332	3190
25	2090	3880	e755	e440	e240	e710	26100	1140	7550	1120	295	2550
26	1860	3940	e680	e620	e239	e650	19900	1060	6050	824	270	1750
27	1790	e2960	e630	e840	e238	e605	15800	999	4820	708	271	1230
28	1920	e2350	e570	e1190	e236	e560	13600	967	3610	815	361	957
29	2170	e2020	e515	e1050	e234	e520	12200	938	2610	850	562	851
30	1930	e1680	e465	e950	---	e900	12200	803	2040	737	772	722
31	1670	---	e420	e855	---	e1970	---	711	---	601	926	---
TOTAL	110300	56825	30205	19928	9489	23113	223980	156758	59877	85464	47844	26189
MEAN	3558	1894	974	643	327	746	7466	5057	1996	2757	1543	873
MAX	11700	5700	2170	1420	760	1970	29900	15400	10300	7250	6090	3190
MIN	1430	381	330	258	202	172	1150	711	198	601	270	366
CFSM	2.65	1.41	.73	.48	.24	.56	5.57	3.77	1.49	2.06	1.15	.65
IN.	3.06	1.58	.84	.55	.26	.64	6.21	4.35	1.66	2.37	1.33	.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1992, BY WATER YEAR (WY)

MEAN	1982	2191	1348	662	587	905	7035	7293	2052	1368	1407	1354
MAX	6102	5717	4899	1624	1997	4296	13410	16550	4705	6845	5985	3930
(WY)	1991	1964	1951	1978	1986	1979	1976	1961	1954	1984	1981	1954
MIN	347	540	311	207	143	180	1917	1474	453	174	113	102
(WY)	1956	1957	1956	1957	1961	1956	1967	1987	1988	1952	1953	1952

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1951 - 1992	
ANNUAL TOTAL	929261		849972			
ANNUAL MEAN	2546		2322		2353	
HIGHEST ANNUAL MEAN					3547	1984
LOWEST ANNUAL MEAN					1336	1957
HIGHEST DAILY MEAN	26500	Apr 11	29900	Apr 24	38600	May 1 1974
LOWEST DAILY MEAN	105	Aug 1	172	Mar 7	60	Sep 7 1987
ANNUAL SEVEN-DAY MINIMUM	112	Jul 29	191	Mar 2	66	Aug 30 1953
INSTANTANEOUS PEAK FLOW			32400	Apr 23	44400	May 1 1974
INSTANTANEOUS PEAK STAGE			10.66	Apr 23	23.00	Apr 11 1991
INSTANTANEOUS LOW FLOW					59	Sep 5 1953
ANNUAL RUNOFF (CFSM)	1.90		1.73		1.75	
ANNUAL RUNOFF (INCHES)	25.78		23.58		23.84	
10 PERCENT EXCEEDS	6770		5730		5920	
50 PERCENT EXCEEDS	930		1050		974	
90 PERCENT EXCEEDS	190		293		255	

e Estimated

01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION. --Lat 46°53'38", long 69°45'08", Aroostook County, Hydrologic Unit 01010001, on left bank at the Six Mile Landing Road Bridge, 4 mi northeast of Depot Mountain, 26.8 mi upstream from mouth.
DRAINAGE AREA.--171 mi^2.
PERIOD OF RECORD.--October 1983 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 775 ft above National Geodetic Datum of 1929, from topographic map.
REMARKS.--Estimated daily discharges: Nov. 6-12, Nov. 26 to Apr. 23, and May 3-19. Records good, except for periods of ice effect, Nov. 6-12 and Nov. 26 to Apr. 22,and periods of no gage-height record, Apr. 22-23 and May 3-19, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,420 ft^3/s Apr. 1, 1987; gage height, 15.62 ft; minimum daily discharge, 7.4 ft^3/s, Sep. 24, 1985.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 23	1915	*5,890	*13.29	No other peak greater than base discharge.			

Minimum daily discharge, 20 ft^3/s, Mar. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299	325	e102	e54	e100	e32	e333	2030	90	187	303	229
2	389	337	e84	e50	e90	e29	e348	1810	140	149	650	167
3	450	325	e72	e45	e81	e24	e327	e1860	159	103	611	108
4	695	273	e62	e52	e73	e21	e306	e1910	122	83	528	82
5	600	223	e55	e78	e66	e20	e270	e1380	92	148	1840	71
6	678	e180	e49	e175	e61	e21	e232	e946	86	917	1750	64
7	2190	e144	e44	e188	e55	e24	e210	e761	274	1320	1050	60
8	1730	e109	e39	e195	e49	e30	e213	e732	306	943	524	53
9	998	e82	e56	e187	e44	e56	e233	e740	216	870	293	50
10	555	e75	e80	e139	e40	e90	e283	e891	167	1750	204	49
11	387	e68	e125	e116	e37	e117	e278	e899	130	1380	168	67
12	349	e93	e123	e93	e34	e200	e265	e740	99	761	137	74
13	598	146	e118	e75	e30	e340	e240	e573	81	696	115	62
14	565	141	e190	e63	e28	e310	e220	e816	77	843	98	52
15	405	135	e340	e85	e26	e312	e207	e1000	76	704	87	44
16	371	149	e270	e98	e27	e307	e187	e778	66	455	84	41
17	601	177	e210	e101	e29	e284	e180	e493	55	281	82	39
18	529	184	e160	e96	e31	e260	e194	e371	48	492	74	72
19	388	167	e128	e80	e34	e233	e496	e353	44	719	81	195
20	327	289	e107	e69	e37	e215	e1190	290	57	498	74	161
21	289	922	e93	e54	e41	e196	e2360	244	288	596	68	101
22	261	938	e97	e44	e41	e173	e3890	216	894	600	64	104
23	272	639	e103	e47	e40	e150	e5220	190	1690	370	57	297
24	267	430	e108	e72	e35	e130	4130	212	1280	217	51	321
25	232	406	e98	e120	e30	e115	2770	234	681	148	47	209
26	207	e359	e87	e155	e30	e103	1780	194	419	119	45	133
27	304	e243	e76	e180	e33	e98	1690	162	280	287	43	96
28	854	e194	e68	e155	e34	e115	1720	141	200	464	45	82
29	785	e156	e65	e137	e35	e185	1800	123	144	342	62	74
30	517	e125	e67	e123	---	e285	2160	107	138	201	112	69
31	361	---	e60	e112	---	e314	---	94	---	136	176	---
TOTAL	17453	8034	3336	3238	1291	4789	33732	21290	8399	16779	9523	3226
MEAN	563	268	108	104	44.5	154	1124	687	280	541	307	108
MAX	2190	938	340	195	100	340	5220	2030	1690	1750	1840	321
MIN	207	68	39	44	26	20	180	94	44	83	43	39
CFSM	3.29	1.57	.63	.61	.26	.90	6.58	4.02	1.64	3.17	1.80	.63
IN.	3.80	1.75	.73	.70	.28	1.04	7.34	4.63	1.83	3.65	2.07	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)

MEAN	305	339	217	94.8	79.2	231	1256	639	212	226	169	117
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	81.3	27.5	13.6	49.5	678	152	67.3	49.1	23.6	20.1
(WY)	1985	1985	1990	1985	1985	1985	1985	1987	1988	1990	1989	1985

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1984 - 1992	
ANNUAL TOTAL	128561		131090			
ANNUAL MEAN	352		358		324	
HIGHEST ANNUAL MEAN					438	1984
LOWEST ANNUAL MEAN					157	1985
HIGHEST DAILY MEAN	3600	Apr 10	5220	Apr 23	6790	Apr 1 1987
LOWEST DAILY MEAN	17	Jul 31	20	Mar 5	7.4	Sep 24 1985
ANNUAL SEVEN-DAY MINIMUM	19	Jul 28	24	Mar 2	8.0	Sep 20 1985
INSTANTANEOUS PEAK FLOW			5890	Apr 23	7420	Apr 1 1987
INSTANTANEOUS PEAK STAGE			13.29	Apr 23	15.62	Apr 1 1987
ANNUAL RUNOFF (CFSM)	2.06		2.09		1.89	
ANNUAL RUNOFF (INCHES)	27.97		28.52		25.73	
10 PERCENT EXCEEDS	962		876		843	
50 PERCENT EXCEEDS	147		161		125	
90 PERCENT EXCEEDS	31		44		35	

e Estimated

01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47°06'44", long 69°05'25", Aroostook County, Hydrologic Unit 01010001, on right bank at downstream side of highway bridge at Dickey, 0.4 mi downstream from Little Black River, and 2.8 mi upstream from Allagash River.
DRAINAGE AREA.--2,680 mi^2.
PERIOD OF RECORD.--Discharge: 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 590.66 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to December 1911, nonrecording gage at site 2,300 ft downstream at different datum. September 1946 to April 1962, water-stage recorder at site 1,300 ft downstream at same datum.
REMARKS.--Estimated daily discharges: Oct. 7-30, Dec. 2 to Apr. 29, and May 30 to June 7. Records good except for period of ice effect, Dec. 2 to Apr. 22, periods of no gage-height record, Oct. 7-30, and Apr. 23-29, and period of doubtful gage height record, May 30 to June 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, 91,700 ft^3/s, Apr. 29, 1979, gage height, 19.13 ft; maximum gage height 837.89 ft, from flood marks, Apr. 9, 1991 (backwater from ice); minimum discharge, 129 ft^3/s Sept. 17, 1948.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 27,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 24	--	*[a]64,900	unknown	May 04	1115	29,400	11.49

a Estimated daily discharge
Minimum daily discharge, 520 ft^3/s, Feb. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2070	4690	2540	e1170	e1650	e580	e3780	24600	e2020	4170	2730	2190
2	2490	4660	e1950	e1110	e1520	e580	e4070	24000	e1920	3690	5610	2230
3	3750	4550	e1510	e1020	e1400	e570	e4040	22600	e1870	3060	9990	2040
4	5320	4230	e1380	e960	e1260	e562	e3930	28100	e1810	2520	8590	1620
5	5620	3320	e1270	e900	e1190	e550	e3820	24200	e1570	2410	9340	1340
6	5130	2510	e1200	e1180	e1090	e545	e3570	17800	e1400	3610	15900	1180
7	e10500	2270	e1140	e1750	e1010	e540	e3710	13500	e1900	7460	11900	1090
8	e19000	2130	e1100	e2450	e955	e550	e3550	11700	2780	7710	7040	1000
9	e15800	1930	e1220	e2480	e885	e620	e3460	12000	2980	6190	4860	920
10	e12000	1750	e1820	e2430	e820	e800	e3530	12900	2640	13000	3660	886
11	e9000	1620	e2210	e2240	e760	e1020	e3780	13300	2300	16600	2950	1120
12	e7100	1600	e2230	e2000	e710	e1400	e3890	11600	1990	11100	2450	1120
13	e6800	1540	e2200	e1850	e655	e1800	e3730	9860	1800	7850	2110	1490
14	e7600	1650	e2120	e1720	e600	e2370	e3500	10900	1690	9590	1860	1530
15	e6700	1800	e3650	e1640	e555	e2940	e3210	13200	1650	10900	1650	1250
16	e5900	1780	e4200	e1550	e520	e3160	e2920	10800	1560	9000	1490	1040
17	e5600	1770	e3800	e1550	e535	e3590	e2800	8230	1460	6500	1360	913
18	e6400	1950	e3450	e1620	e550	e3500	e2720	6830	1340	5770	1280	943
19	e6000	2350	e3200	e1570	e560	e3320	e4800	6070	1310	6980	1340	1220
20	e5500	2360	e2950	e1380	e570	e3050	e8700	5400	1310	6250	1490	1520
21	e5200	3220	e2750	e1240	e580	e2760	e16500	4810	1600	5240	1370	1360
22	e5300	7190	e2550	e1150	e585	e2440	e31000	4340	4940	5260	1260	1190
23	e4850	7270	e2350	e1090	e595	e2160	e50000	3920	17700	4810	1170	1410
24	e4600	5840	e2200	e1240	e600	e1940	e64900	3630	23600	3670	1060	2910
25	e4300	5280	e2000	e1350	e600	e1780	e52500	3460	17300	2890	965	4320
26	e4000	5460	e1880	e1500	e595	e1670	e37300	3210	12400	2400	878	3270
27	e4000	4790	e1740	e1760	e590	e1600	e31000	2930	9170	2530	815	2410
28	e6200	3760	e1600	e1940	e590	e1640	e26600	2730	6890	5940	815	1890
29	e7600	3240	e1500	e2050	e585	e1900	e24100	2580	5290	4910	973	1580
30	e6200	2770	e1400	e1950	---	e2440	24100	e2410	4340	3520	1420	1410
31	5080	---	e1300	e1800	---	e3210	---	e2200	---	2620	1800	---
TOTAL	205610	99280	66410	49640	23115	55587	435510	323810	140530	188150	110126	48392
MEAN	6633	3309	2142	1601	797	1793	14520	10450	4684	6069	3552	1613
MAX	19000	7270	4200	2480	1650	3590	64900	28100	23600	16600	15900	4320
MIN	2070	1540	1100	900	520	540	2720	2200	1310	2400	815	886
CFSM	2.47	1.23	.80	.60	.30	.67	5.42	3.90	1.75	2.26	1.33	.60
IN.	2.85	1.38	.92	.69	.32	.77	6.05	4.49	1.95	2.61	1.53	.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1992, BY WATER YEAR (WY)

MEAN	3690	4088	2643	1314	1117	1654	14000	16080	4449	2814	2714	2540
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1946 - 1992	
ANNUAL TOTAL	1778530		1746160			
ANNUAL MEAN	4873		4771		4769	
HIGHEST ANNUAL MEAN					7193	1976
LOWEST ANNUAL MEAN					2844	1965
HIGHEST DAILY MEAN	53000	Apr 12	64900	Apr 24	86800	Apr 29 1979
LOWEST DAILY MEAN	230	Aug 5	520	Feb 16	135	Sep 15 1948
ANNUAL SEVEN-DAY MINIMUM	244	Jul 30	553	Feb 15	142	Sep 11 1948
INSTANTANEOUS PEAK FLOW					91700	Apr 29 1979
INSTANTANEOUS PEAK STAGE					37.89	Apr 9 1991
INSTANTANEOUS LOW FLOW					129	Sep 17 1948
ANNUAL RUNOFF (CFSM)	1.82		1.78		1.78	
ANNUAL RUNOFF (INCHES)	24.69		24.24		24.18	
10 PERCENT EXCEEDS	11100		10900		11800	
50 PERCENT EXCEEDS	1880		2420		2010	
90 PERCENT EXCEEDS	486		909		550	

e Estimated

01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

LOCATION.--Lat 47°04'14", long 69°04'51", Aroostook County, Hydrologic Unit 01010002, on left bank 3.0 mi upstream from mouth and village of Allagash.
DRAINAGE AREA.--1,229 mi^2, not including 249 mi^2 drained by Chamberlain Lake through Telos Canal.
PERIOD OF RECORD.--Discharge: July 1910 to November 1910, May to November 1911, September 1931 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.
Chemical analyses: Water years 1952-53, 1975, 1981.
Specific conductance: April 1975 to September 1980.
Water 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. 3 to Apr. 22. Records good except for period of ice effect, Dec. 3 to Apr. 22, which is fair. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft^3/s, 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 ft^3/s, Apr. 18, 1983, gage height, 13.68 ft; maximum gage height, 19.78 ft, Apr. 10, 1991 (backwater from ice); minimum discharge, 87 ft^3/s, Sept. 11, 1960.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,800 ft^3/s, Apr. 24, gage-height, 10.13 ft; minimum daily discharge, 430 ft^3/s, Mar. 06.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	1720	1640	e720	e1180	e530	e2060	9060	1300	2160	2330	816
2	1330	1670	1510	e700	e1130	e500	e2130	8740	1310	1880	3710	758
3	1450	1610	e1060	e690	e1090	e480	e2210	8980	1250	1670	3580	717
4	1470	1530	e960	e680	e1050	e470	e2190	10200	1160	1590	3210	730
5	1320	1450	e880	e800	e1010	e450	e2110	8860	1070	1620	3140	695
6	1260	1360	e810	e1200	e990	e430	e2000	7560	1040	1800	2890	644
7	2870	1310	e760	e1750	e980	e520	e1920	6190	1240	1960	2360	608
8	3730	1270	e740	e1700	e960	e620	e1960	5470	1350	1860	2030	585
9	3280	1180	e860	e1620	e940	e740	e2080	5260	1270	1930	1790	571
10	2710	1100	e1090	e1560	e910	e860	e2240	5390	1190	3250	1620	557
11	2360	1070	e1210	e1500	e890	e1010	e2420	5150	1100	3170	1500	752
12	2310	1080	e1280	e1420	e850	e1200	e2380	4660	1020	2730	1370	853
13	2580	1060	e1290	e1360	e820	e1400	e2300	4300	968	2760	1240	728
14	2370	1050	e1290	e1280	e810	e1490	e2140	4590	997	3390	1140	661
15	2080	1030	e1280	e1230	e770	e1520	e2000	4660	948	3180	1060	614
16	1940	1050	e1240	e1220	e740	e1530	e1890	4070	875	2840	998	578
17	2120	1090	e1200	e1290	e720	e1490	e1870	3620	830	2480	936	569
18	2260	1080	e1150	e1290	e690	e1450	e2200	3360	798	2470	891	612
19	2240	1060	e1120	e1280	e670	e1410	e2700	3070	762	2540	896	653
20	2160	1090	e1060	e1250	e660	e1350	e2950	2810	749	2240	900	583
21	2090	1580	e1040	e1200	e660	e1310	e4500	2580	891	2420	862	527
22	2010	2190	e1000	e1120	e640	e1250	e10000	2410	1450	2590	813	522
23	2020	2170	e960	e1040	e620	e1210	17800	2230	4150	2100	747	967
24	1940	2040	e930	e1130	e600	e1170	17900	2040	4830	1870	708	1300
25	1830	2350	e890	e1230	e590	e1120	14600	1940	4040	1730	678	1050
26	1740	2570	e870	e1280	e570	e1080	11600	1890	4250	1680	657	913
27	1790	2280	e840	e1300	e560	e1120	10200	1830	3670	2260	659	805
28	2270	2020	e810	e1310	e560	e1230	9430	1780	3120	2930	812	740
29	2220	1860	e780	e1310	e550	e1490	8920	1730	2560	2820	820	683
30	1960	1600	e750	e1290	---	e1740	8940	1580	2260	2320	841	627
31	1780	---	e730	e1210	---	e1900	---	1410	---	1890	850	---
TOTAL	64630	45520	32030	37960	23210	34070	157640	137420	52448	72130	46038	21418
MEAN	2085	1517	1033	1225	800	1099	5255	4433	1748	2327	1485	714
MAX	3730	2570	1640	1750	1180	1900	17900	10200	4830	3390	3710	1300
MIN	1140	1030	730	680	550	430	1870	1410	749	1590	657	522
CFSM	1.70	1.23	.84	1.00	.65	.89	4.28	3.61	1.42	1.89	1.21	.58
IN.	1.96	1.38	.97	1.15	.70	1.03	4.77	4.16	1.59	2.18	1.39	.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1992, BY WATER YEAR (WY)

MEAN	1331	1569	1176	701	572	743	4551	6637	2250	1416	1171	1083
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1931 - 1992	
ANNUAL TOTAL	787734		724514			
ANNUAL MEAN	2158		1980		1939	
HIGHEST ANNUAL MEAN					2899	1976
LOWEST ANNUAL MEAN					989	1957
HIGHEST DAILY MEAN	16900	Apr 27	17900	Apr 24	32100	Apr 18 1983
LOWEST DAILY MEAN	360	Jul 31	430	Mar 6	91	Mar 9 1948
ANNUAL SEVEN-DAY MINIMUM	378	Jul 28	483	Mar 1	91	Mar 9 1948
INSTANTANEOUS PEAK FLOW			18800	Apr 24	36900	Apr 18 1983
INSTANTANEOUS PEAK STAGE			10.13	Apr 24	19.78	Apr 10 1991
INSTANTANEOUS LOW FLOW					87	Sep 11 1960
ANNUAL RUNOFF (CFSM)	1.76		1.61		1.58	
ANNUAL RUNOFF (INCHES)	23.84		21.93		21.43	
10 PERCENT EXCEEDS	5180		3370		4700	
50 PERCENT EXCEEDS	1060		1310		972	
90 PERCENT EXCEEDS	455		676		315	

e Estimated

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

LOCATION.--Lat 47°12'25", long 68°57'25", Madawaska County, on left bank at outlet of Glasier Lake, 4.0 mi upstream from mouth, and 6.5 mi west of Connors.
DRAINAGE AREA.--524 mi^2.
PERIOD OF RECORD.--October 1951 to current year.
REVISED RECORDS.--WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 550 ft, from International Boundary Map.
REMARKS.--Estimated daily discharges: Dec. 5-9, Dec. 16 to Jan. 5, Jan. 16-31, and Apr. 24-26. Records good, except for periods of missing gage-height record, Dec. 5-9, Dec. 16 to Jan. 5, Jan. 16-31, and Apr. 24-26, 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 ft^3/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily, 60 ft^3/s, Oct. 11, 1978.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 7,170 ft^3/s, Apr. 25, estimated; minimum daily, 190 ft^3/s, Mar. 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	2200	742	e290	402	216	690	4750	753	2770	1330	425
2	207	2010	706	e283	392	214	770	4910	722	2420	1320	418
3	226	1850	664	e279	383	209	867	5040	696	2100	1420	402
4	265	1690	639	e275	370	207	925	4970	669	1820	1650	389
5	289	1550	e586	e304	360	202	954	4710	630	1650	2010	373
6	325	1420	e544	344	355	199	957	4340	609	1580	2440	354
7	480	1310	e530	391	339	195	943	3940	619	1630	2700	338
8	703	1200	e512	455	331	200	965	3540	642	1700	2620	322
9	1020	1100	e501	522	326	197	976	3330	669	1770	2380	311
10	1230	1000	491	569	311	190	1010	3330	668	1960	2110	298
11	1250	936	487	593	301	200	1020	3360	654	2300	1850	313
12	1230	890	480	589	293	225	1020	3250	633	2500	1630	296
13	1240	823	473	581	287	244	991	3060	611	2420	1430	283
14	1320	777	477	566	281	289	935	2980	586	2200	1280	273
15	1400	735	487	575	274	344	875	3020	553	1930	1150	262
16	1420	710	e487	e558	277	404	823	3050	522	1700	1020	253
17	1410	678	e487	e544	277	464	799	2830	495	1500	926	256
18	1410	650	e477	e523	268	515	795	2590	464	1420	842	264
19	1410	629	e459	e509	262	552	854	2300	443	1520	778	265
20	1370	611	e441	e498	265	577	1040	2050	448	1740	727	255
21	1290	622	e424	e487	261	585	1540	1850	470	1820	678	252
22	1210	675	e410	e480	253	579	2730	1660	604	1680	636	252
23	1150	770	e396	e480	247	566	4780	1520	1200	1500	603	276
24	1090	833	e381	e487	239	544	e6710	1400	2510	1330	561	273
25	1050	890	e367	e487	232	521	e7170	1290	4080	1180	528	284
26	1010	908	e353	e480	233	497	e6250	1200	4690	1060	499	301
27	1030	897	e339	e466	226	482	5470	1100	4590	1030	476	311
28	1280	865	e328	e459	221	481	4940	1000	4230	1290	453	315
29	1840	833	e318	e438	225	508	4670	934	3690	1360	437	310
30	2300	780	e307	e406	---	552	4610	869	3170	1400	434	296
31	2340	---	e300	e403	---	617	---	800	---	1340	427	---
TOTAL	33996	30842	14593	14321	8491	11775	67079	84973	41320	53620	37345	9220
MEAN	1097	1028	471	462	293	380	2236	2741	1377	1730	1205	307
MAX	2340	2200	742	593	402	617	7170	5040	4690	2770	2700	425
MIN	201	611	300	275	221	190	690	800	443	1030	427	252
CFSM	2.09	1.96	.90	.88	.56	.72	4.27	5.23	2.63	3.30	2.30	.59
IN.	2.41	2.19	1.04	1.02	.60	.84	4.76	6.03	2.93	3.81	2.65	.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1992, BY WATER YEAR (WY)

MEAN	569	708	524	317	272	307	2123	3456	972	525	472	409
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1952 - 1992	
ANNUAL TOTAL	383143		407575			
ANNUAL MEAN	1050		1114		891	
HIGHEST ANNUAL MEAN					1285	1958
LOWEST ANNUAL MEAN					485	1965
HIGHEST DAILY MEAN	8370	May 4	7170	Apr 25	14500	Apr 30 1979
LOWEST DAILY MEAN	115	Aug 9	190	Mar 10	60	Oct 11 1978
ANNUAL SEVEN-DAY MINIMUM	124	Aug 4	198	Mar 5	65	Oct 7 1978
INSTANTANEOUS PEAK FLOW					15000	Apr 30 1979
INSTANTANEOUS PEAK STAGE					15.39	Apr 30 1979
ANNUAL RUNOFF (CFSM)	2.00		2.13		1.70	
ANNUAL RUNOFF (INCHES)	27.20		28.93		23.09	
10 PERCENT EXCEEDS	2850		2530		2120	
50 PERCENT EXCEEDS	417		640		428	
90 PERCENT EXCEEDS	176		267		149	

e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME

LOCATION.--Lat 47°14'14", long 68°34'56", Aroostook County, Hydrologic Unit 01010003, on right bank 300 ft upstream from highway bridge at Fort Kent Mills, 2 mi upstream from mouth, and 2 mi south of Fort Kent.
DRAINAGE AREA.--873 mi^2.
PERIOD OF RECORD.--July 1903 to December 1908 and May to November 1911 (published as "at Wallagrass"), September 1929 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.
REVISED RECORDS.--WSP 2101: 1969(M). WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 511.38 ft above National Geodetic Vertical Datum of 1929. July 1903 to December 1908 and May to November 1911, nonrecording gage at site 10 mi upstream at different datum.
REMARKS.--Estimated daily discharges: Dec. 6 to Apr. 5. Records good except for period of ice effect, Dec. 6 to Apr. 5, 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 ft^3/s, Apr.30, 1973, gage height,12.43 ft; minimum, 34 ft^3/s, Aug. 29, 1968.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,360 ft^3/s, Apr. 25, gage height, 8.09 ft; minimum discharge, 352 ft^3/s, Sept. 30, gage height, 2.72 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	840	2190	1640	e620	e770	e455	e1180	6700	1400	1870	1920	745
2	870	2170	1580	e600	e760	e450	e1280	6650	1360	1770	2080	705
3	910	2120	1520	e580	e740	e450	e1410	6720	1280	1680	2170	681
4	914	2030	1470	e570	e720	e450	e1560	6810	1190	1630	2190	658
5	932	1950	1330	e680	e700	e450	e1710	6600	1130	1640	2520	628
6	968	1880	e1250	e810	e690	e440	1920	6310	1120	1700	2450	608
7	1210	1800	e1190	e950	e680	e450	2050	5990	1290	1800	2400	588
8	1240	1740	e1130	e1010	e660	e480	2210	5710	1200	1740	2310	568
9	1290	1660	e1090	e1070	e640	e490	2360	5460	1150	1880	2210	549
10	1320	1590	e1060	e1090	e620	e490	2520	5210	1110	2110	2110	531
11	1340	1540	e1030	e1100	e610	e510	2580	4960	1070	2120	1990	588
12	1430	1560	e1010	e1080	e600	e530	2630	4710	1030	2140	1860	548
13	1570	1530	e1000	e1060	e590	e555	2610	4460	1000	2220	1740	521
14	1570	1480	e1010	e1030	e585	e590	2560	4280	953	2300	1630	499
15	1590	1430	e1030	e1010	e580	e620	2490	4120	882	2280	1530	473
16	1680	1390	e1040	e990	e570	e700	2430	3910	828	2210	1450	446
17	1760	1330	e1030	e1030	e560	e800	2410	3710	785	2140	1370	439
18	1790	1300	e1010	e1050	e555	e890	2440	3470	760	2190	1290	461
19	1820	1260	e990	e1000	e550	e990	2580	3270	714	2240	1240	482
20	1850	1250	e950	e950	e540	e1030	2900	3080	685	2120	1170	434
21	1850	1380	e905	e910	e530	e1040	3490	2880	699	2110	1090	406
22	1840	1430	e855	e850	e520	e1050	4670	2710	740	2060	1020	419
23	1830	1450	e833	e860	e510	e1030	6430	2540	1110	1990	971	510
24	1810	1510	e794	e880	e500	e991	7170	2350	1270	1870	920	487
25	1760	1690	e764	e880	e490	e954	7330	2210	1470	1750	866	457
26	1740	1710	e755	e880	e480	e918	7220	2070	1680	1670	816	437
27	1910	1720	e740	e870	e470	e900	7050	1940	1780	1850	784	423
28	2240	1730	e720	e860	e465	e935	6890	1820	1820	1940	776	420
29	2220	1700	e690	e820	e460	e981	6750	1700	1830	1850	791	399
30	2210	1680	e670	e800	---	e1030	6690	1590	1890	1760	776	363
31	2190	---	e640	e780	---	e1080	---	1490	---	1670	774	---
TOTAL	48494	49200	31726	27670	17145	22729	107520	125430	35226	60300	47214	15473
MEAN	1564	1640	1023	893	591	733	3584	4046	1174	1945	1523	516
MAX	2240	2190	1640	1100	770	1080	7330	6810	1890	2300	2520	745
MIN	840	1250	640	570	460	440	1180	1490	685	1630	774	363
CFSM	1.79	1.88	1.17	1.02	.68	.84	4.11	4.63	1.35	2.23	1.74	.59
IN.	2.07	2.10	1.35	1.18	.73	.97	4.58	5.34	1.50	2.57	2.01	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1992, BY WATER YEAR (WY)

MEAN	798	1200	1054	611	477	555	3028	5156	1796	962	710	599
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1903 - 1992	
ANNUAL TOTAL	624457		588127			
ANNUAL MEAN	1711		1607		1417	
HIGHEST ANNUAL MEAN					2175	1973
LOWEST ANNUAL MEAN					773	1965
HIGHEST DAILY MEAN	10300	May 2	7330	Apr 25	15600	Apr 30 1973
LOWEST DAILY MEAN	182	Aug 9	363	Sep 30	46	Oct 14 1968
ANNUAL SEVEN-DAY MINIMUM	200	Aug 4	427	Sep 24	49	Sep 16 1968
INSTANTANEOUS PEAK FLOW			7360	Apr 25	15800	Apr 30 1973
INSTANTANEOUS PEAK STAGE			8.09	Apr 25	12.43	Apr 30 1973
INSTANTANEOUS LOW FLOW			352	Sep 30	34	Aug 29 1968
ANNUAL RUNOFF (CFSM)	1.96		1.84		1.62	
ANNUAL RUNOFF (INCHES)	26.61		25.06		22.06	
10 PERCENT EXCEEDS	4980		2580		3570	
50 PERCENT EXCEEDS	930		1190		721	
90 PERCENT EXCEEDS	366		521		220	

e Estimated

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 mi^2, not including 249 mi^2 drained by Chamberlain Lake through Telos Canal.
PERIOD OF RECORD.--October 1926 to current year. Prior to October 1931, published as "at Fort Kent."
REVISED RECORDS.--WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 488.81 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 10, 1933, nonrecording gage on opposite bank at same datum.
REMARKS.--Estimated daily discharges: Dec. 3 to Apr. 22. Records good except for period of ice effect Dec. 3, to Apr. 22, 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 ft^3/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily, 510 ft^3/s, Mar. 13-15, 1948.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 45,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 24	0745	*102,000	*22.33	No other peak greater than base discharge.			

Minimum daily discharge, 1,620 ft^3/s, Mar. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4800	12200	8170	e2750	e4290	e1970	e8100	47600	5960	12600	10000	4570
2	5080	11800	7590	e2620	e4180	e1880	e9500	47200	5860	11400	12600	4680
3	6010	11300	e5900	e2500	e4070	e1790	e9300	45600	5760	10000	17900	4500
4	7460	10700	e4500	e2400	e3920	e1710	e9100	51800	5480	8830	17700	4090
5	8270	9930	e3950	e2600	e3770	e1670	e8900	48900	5130	8350	17600	3670
6	7800	9150	e3300	e4000	e3740	e1640	e8800	39900	4830	9020	23000	3280
7	12500	8450	e3150	e5320	e3670	e1620	e8700	32600	5350	13200	21700	2970
8	29200	7930	e3100	e5870	e3550	e1660	e8700	28400	6270	15100	16800	2790
9	25800	7350	e4150	e5750	e3450	e1780	e8600	27300	6470	13900	13400	2640
10	19900	6570	e5000	e5670	e3400	e2050	e8600	27600	6140	18500	11300	2480
11	15900	6120	e5390	e5400	e3280	e2450	e8900	27900	5590	25800	9830	2880
12	13900	5980	e5390	e5040	e3160	e3000	e9500	25900	5040	21500	8720	3210
13	13800	5800	e5400	e5000	e3120	e3320	e10100	23400	4620	17600	7760	3120
14	14600	5680	e5700	e4700	e3010	e3900	e10200	23100	4340	18000	7000	3420
15	13700	5850	e6000	e4520	e2830	e4700	e9600	25900	4140	19800	6370	3140
16	12600	5990	e5650	e4400	e2740	e5300	e9100	23800	3900	18000	5890	2760
17	12400	5860	e5300	e4750	e2690	e5600	e8800	20500	3630	15000	5450	2500
18	13700	5750	e5390	e4790	e2600	e5600	e8700	18100	3380	13500	5060	2440
19	13300	6080	e5200	e4710	e2520	e5700	e9200	16400	3080	14700	4890	2750
20	12400	6370	e4800	e4590	e2490	e5500	e9800	14800	2970	14400	4890	2980
21	11900	7340	e4400	e4440	e2410	e5200	e22000	13400	3150	13100	4700	3010
22	11700	11700	e4000	e4170	e2350	e4800	e47600	12300	5260	12800	4390	2790
23	11100	14200	e3900	e3860	e2310	e4300	89900	11200	19300	12200	4090	3040
24	10800	12800	e4000	e4080	e2220	e3900	101000	10400	32700	10300	3820	4260
25	10200	12400	e3600	e4050	e2200	e3600	89700	9690	29000	8870	3550	6700
26	9600	12700	e3100	e4480	e2180	e3450	72300	9140	25300	7880	3290	6070
27	9940	12100	e3150	e4750	e2110	e3400	58400	8530	21700	9110	3100	4910
28	13200	10500	e3100	e4980	e2080	e4100	51100	8010	18300	15900	3170	4110
29	15900	9560	e3050	e4980	e2050	e4800	47100	7540	15400	14700	3390	3570
30	14900	8510	e3100	e4750	---	e5800	46400	7030	13500	11900	3660	3140
31	13300	---	e2850	e4590	---	e7000	---	6460	---	9930	4180	---
TOTAL	395660	266670	141280	136510	86390	113190	807700	720400	281550	425890	269200	106470
MEAN	12760	8889	4557	4404	2979	3651	26920	23240	9385	13740	8684	3549
MAX	29200	14200	8170	5870	4290	7000	101000	51800	32700	25800	23000	6700
MIN	4800	5680	2850	2400	2050	1620	8100	6460	2970	7880	3100	2440
CFSM	2.25	1.57	.80	.78	.53	.64	4.75	4.10	1.66	2.43	1.53	.63
IN.	2.60	1.75	.93	.90	.57	.74	5.30	4.73	1.85	2.80	1.77	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1992, BY WATER YEAR (WY)

MEAN	6814	8527	5713	3186	2435	3373	24290	34510	10660	6316	5367	4881
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1927 - 1992	
ANNUAL TOTAL	3811124		3750910			
ANNUAL MEAN	10440		10250		9701	
HIGHEST ANNUAL MEAN					14100	1928
LOWEST ANNUAL MEAN					5667	1965
HIGHEST DAILY MEAN	85200	Apr 28	101000	Apr 24	146000	Apr 30 1979
LOWEST DAILY MEAN	937	Aug 1	1620	Mar 7	510	Mar 13 1948
ANNUAL SEVEN-DAY MINIMUM	969	Jul 30	1700	Mar 3	513	Mar 9 1948
INSTANTANEOUS PEAK FLOW			102000	Apr 24	151000	Apr 30 1979
INSTANTANEOUS PEAK STAGE			22.33	Apr 24	27.31	Apr 30 1979
INSTANTANEOUS LOW FLOW					510	Mar 13 1948
ANNUAL RUNOFF (CFSM)	1.84		1.81		1.71	
ANNUAL RUNOFF (INCHES)	25.03		24.63		23.27	
10 PERCENT EXCEEDS	25300		20800		23000	
50 PERCENT EXCEEDS	4460		5860		4600	
90 PERCENT EXCEEDS	1720		2780		1500	

e Estimated

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 mi^2.

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 1991 TO SEPTEMBER 1992

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)	TEMPER-ATURE AIR (DEG C) (00400)	TEMPER-ATURE WATER (DEG C) (00020)	TUR-BID-ITY (NTU) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (00301)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
(31625)	(31673)											
NOV												
14...	0700	8,200	101	7.6	-3.0	2.0	1.5	745	13.4	99	270	110
DEC												
03...	0800	E 8,510	93	7.5	-14.0	0.0	3.3	760	14.8	101	96	K 12
FEB												
13...	0915	E 4,500	125	7.5	-20.5	0.0	1.3	755	14.2	98	400	110
MA												
07...	1150	47,000	65	7.3	10.5	4.0	3.5	764	13.0	99	65	31
JUN												
10...	1015	8,860	90	7.5	15.0	18.0	1.1	745	8.7	94	30	K 2
AUG												
19...	090	7,060	99	7.5	18.0	18.5	2.0	748	8.0	87	K 570	K 3

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											
14...	45	15	1.9	2.5	0.4	43	0.0	35	8.9	2.7	<0.1
DEC											
03...	39	13	1.7	2.4	0.5	35	0.0	29	7.7	2.3	<0.1
FEB											
13...	55	18	2.4	3.1	0.4	55	0.0	45	9.0	3.6	<0.1
MAY											
07...	33	11	1.3	1.7	0.4	28	0.0	23	4.4	1.9	<0.1
JUN											
10...	42	14	1.7	2.5	0.5	36	0.0	30	6.6	2.6	<0.1
AUG											
19...	45	15	1.9	2.6	0.4	42	0.0	34	6.2	1.7	<0.1

1

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 1991 TO SEPTEMBER 1992

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 14...	3.7	83	57	0.01	<0.01	0.15	0.16	0.01	<0.01	--
DEC 03...	4.5	65	50	<0.01	<0.01	0.18	0.19	0.04	0.04	0.05
FEB 13...	4.0	81	69	<0.01	<0.01	0.23	0.23	0.02	0.01	0.01
MAY 07...	3.7	51	39	<0.01	<0.01	0.14	0.15	0.03	0.02	0.03
JUN 10...	2.5	53	48	<0.01	<0.01	0.08	0.08	0.02	0.02	0.03
AUG 19...	3.2	65	52	<0.01	<0.01	0.08	0.08	0.02	<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 14...	<0.2	<0.01	<0.01	<0.01	<0.01	50	6	<3	73	<4
DEC 03...	0.4	0.02	<0.01	0.01	<0.01	--	--	--	--	--
FEB 13...	<0.2	<0.01	<0.01	<0.01	<0.01	30	6	<3	59	4
MAY 07...	<0.2	<0.01	<0.01	0.01	<0.01	70	5	<3	70	<4
JUN 10...	0.2	0.02	<0.01	<0.01	<0.01	--	--	--	--	--
AUG 19...	<0.2	0.02	<0.01	<0.01	<0.01	30	6	<3	68	<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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THA .062 M (70331)
NOV 14...	20	<10	<1	<1	<1.	98	<6	4	89	67
DEC 03...	--	--	--	--	--	--	--	7	161	82
FEB 13...	18	<10	<1	<1	<1.	120	<6	4	50	65
MAY 07...	10	<10	<1	<1	<1.	68	<6	9	1,140	97
JUN 10...	--	--	--	--	--	--	--	2	48	67
AUG 19...	15	<10	<1	<1	<1.	100	<6	7	133	64

01015010 ST. JOHN RIVER NEAR HAMLIN, ME

LOCATION.--Lat 47°06'34", long 67°53'27", Aroostook County, Hydrologic Unit 01010001, on right bank approximately 5.5 mi upstream from Hamlin, and 3.1 mi downstream from Hammond Brook, and 4.2 mi downstream from the International Bridge at Van Buren.
DRAINAGE AREA.--8,236 mi^2.
PERIOD OF RECORD.--Water years 1989 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Seasonal records August 1989 to current year.
pH: Seasonal records August 1989 to current year.
WATER TEMPERATURE: Seasonal records August 1989 to current year.
DISSOLVED OXYGEN: Seasonal records August 1989 to current year.
INSTRUMENTATION.--Water-quality monitor since August 1989. Continuous flow through system. Submersible pump located 50 ft. streamward from right bank.
REMARKS.--Monitor not operated during period October to May. Other interruptions in the record were due to malfunctions of the monitor or pumping system. No record Sept. 9-30, pond elev. below pump intake.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 149 microsiemens, Aug. 8, 1991; minimum, 42 microsiemens, Aug. 16, 17, 1990.
pH: Maximum, 8.0 units, July 4, 1991; minimum, 6.7 units, Aug. 16-18, 1990.
WATER TEMPERATURE: Maximum, 27.5°C, July 29-31, 1990; minimum, 9.5°C, Sept. 30, 1989; Sept. 30, 1991.
DISSOLVED OXYGEN: Maximum, 10.1 mg/L, June 1, 1990; minimum, 5.8 mg/L, Aug. 30, 1990.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

LOCATION.--Lat 46°31'21", long 68°22'23", Aroostook County, Hydrologic Unit 01010004, on left bank, 180 ft upstream from highway bridge, and 1.8 mi downstream from St. Croix Stream and Masardis.
DRAINAGE AREA.--892 mi^2.
PERIOD OF RECORD.--September 1957 to current year.
REVISED RECORDS.--WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 330.00 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Dec. 3 to Apr. 19. Records good except for period of ice effect, Dec. 3 to Apr. 19, which is fair. Some regulation by Millinocket Lake, capacity 1,110,000,000 ft , 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 ft^3/s, Apr. 19, 1983, gage height, 17.70 ft; minimum discharge, 41 ft^3/s, Sept. 26, 27, 1968, gage height, 1.89 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,600 ft^3/s, Apr. 24, gage height, 14.13 ft; minimum discharge 193 ft^3/s, June 21, gage height, 2.95 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1240	1180	1400	e390	e570	e300	e3900	4370	627	1270	793	519
2	1250	1240	1230	e380	e560	e290	e4000	4300	583	1090	2180	444
3	1180	1290	e671	e360	e550	e280	e4000	4710	549	848	2230	376
4	1040	1240	e584	e350	e530	e270	e3800	6300	517	735	1780	343
5	901	1130	e540	e640	e520	e270	e3600	5620	468	691	1640	332
6	787	1020	e490	e1200	e510	e260	e3600	4630	440	721	1520	370
7	1400	940	e720	e1700	e500	e260	e3800	3950	582	834	1210	289
8	2500	897	e850	e1950	e480	e270	e3900	3440	840	840	946	256
9	2500	841	e1000	e1800	e460	e290	e4000	3180	809	782	762	242
10	2120	710	e1050	e1600	e450	e350	e4100	3310	688	1030	647	242
11	1770	760	e1000	e1450	e440	e470	e4000	3430	585	1200	575	291
12	1760	662	e980	e1300	e420	e600	e3700	3190	498	1180	482	349
13	2230	901	e1000	e1150	e410	e700	e3200	2900	442	1370	452	327
14	2240	867	e1050	e1060	e390	e750	e2900	3160	409	2260	407	285
15	1950	848	e1130	e1090	e370	e770	e2750	3920	369	2630	377	255
16	1750	868	e1100	e1120	e370	e780	e2650	3430	325	2390	347	231
17	2080	1100	e1000	e1050	e370	e780	e2600	2900	290	1840	323	239
18	2340	1140	e900	e950	e370	e760	e2500	2540	258	1440	343	286
19	2460	1060	e820	e840	e360	e730	e3000	2250	228	1400	317	279
20	2400	1010	e770	e770	e360	e700	4000	2020	209	1300	340	257
21	2220	1490	e720	e690	e360	e660	5640	1750	198	1110	338	230
22	1960	2150	e660	e610	e360	e600	8540	1490	247	940	311	212
23	1800	2140	e610	e570	e350	e570	11800	1350	1160	796	280	263
24	1640	2120	e580	e570	e330	e550	13200	1220	2770	690	255	450
25	1470	2510	e550	e620	e320	e540	10600	1110	2670	610	235	473
26	1330	2680	e520	e630	e320	e540	7530	1010	2760	511	219	426
27	1230	2330	e490	e630	e310	e560	5860	925	2670	504	217	376
28	1280	1940	e470	e630	e310	e1400	4940	869	2230	516	493	337
29	1410	1720	e450	e610	e300	e2700	4460	821	1750	527	723	308
30	1350	1450	e430	e590	---	e3400	4320	755	1420	496	682	275
31	1220	---	e410	e570	---	e3600	---	685	---	451	610	---
TOTAL	52808	40234	24175	27870	11950	25000	146890	85535	27591	33002	22034	9562
MEAN	1703	1341	780	899	412	806	4896	2759	920	1065	711	319
MAX	2500	2680	1400	1950	570	3600	13200	6300	2770	2630	2230	519
MIN	787	662	410	350	300	260	2500	685	198	451	217	212
CFSM	1.91	1.50	.87	1.01	.46	.90	5.49	3.09	1.03	1.19	.80	.36
IN.	2.20	1.68	1.01	1.16	.50	1.04	6.13	3.57	1.15	1.38	.92	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1992, BY WATER YEAR (WY)

MEAN	1099	1449	1048	580	599	743	4277	4620	1298	666	665	688
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	216	1055	1061	301	77.5	79.5	111
(WY)	1969	1979	1979	1982	1972	1967	1967	1987	1988	1991	1968	1968

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1957 - 1992	
ANNUAL TOTAL	542672		506651			
ANNUAL MEAN	1487		1384		1479	
HIGHEST ANNUAL MEAN					2133	1976
LOWEST ANNUAL MEAN					818	1985
HIGHEST DAILY MEAN	13300	Apr 24	13200	Apr 24	22100	Apr 19 1983
LOWEST DAILY MEAN	54	Aug 2	198	Jun 21	42	Sep 27 1968
ANNUAL SEVEN-DAY MINIMUM	55	Jul 29	248	Sep 16	44	Sep 26 1968
INSTANTANEOUS PEAK FLOW			13600	Apr 24	23100	Apr 19 1983
INSTANTANEOUS PEAK STAGE			14.13	Apr 24	17.70	Apr 19 1983
INSTANTANEOUS LOW FLOW			193	Jun 21	41	Sep 26 1968
ANNUAL RUNOFF (CFSM)	1.67		1.55		1.66	
ANNUAL RUNOFF (INCHES)	22.63		21.13		22.53	
10 PERCENT EXCEEDS	3460		3340		3670	
50 PERCENT EXCEEDS	678		802		655	
90 PERCENT EXCEEDS	92		300		229	

e Estimated

01017000 AROOSTOOK RIVER AT WASHBURN, ME

LOCATION.--Lat 46°46'36", long 68°09'29", Aroostook County, Hydrologic Unit 01010004, on right bank 50 ft upstream from Bangor and Aroostook Railroad bridge, 0.1 mi downstream from Salmon Brook, and 1.0 mi south of railroad station at Washburn.
DRAINAGE AREA.--1,654 mi^2.
PERIOD OF RECORD.--Discharge: August 1930 to current year.
Chemical analyses: Water years 1952-53.
REVISED RECORDS.--WSP 951: 1935. WSP 1301: 1933-50 (adjusted monthly runoff). WDR ME-82-1: Drainage area.
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. 2 to Apr. 20. Records, good except for period of ice effect, Dec. 2 to Apr. 20, which is 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 ft^3/s, Apr. 19, 1983; maximum gage height, 20.91 ft, Dec. 24, 1973, (backwater from ice); minimum daily discharge, 75 ft^3/s, Feb. 13-15, 1948.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,100 ft^3/s, Apr. 24, gage height, 10.61 ft; maximum gage height, 11.94 ft, Apr. 8, (backwater from ice); minimum daily discharge, 391 ft^3/s, June 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2500	2380	2660	e740	e1250	e470	e6200	8010	1130	2340	1590	1140
2	2660	2360	e2120	e670	e1050	e490	e6800	8000	1050	2080	3620	991
3	2570	2400	e1620	e840	e1050	e570	e7200	8770	1020	1720	4260	854
4	2310	2330	e1280	e830	e1220	e550	e6660	11400	985	1460	3440	762
5	2020	2190	e1050	e950	e1180	e540	e6380	10500	955	1360	3030	718
6	1790	1990	e920	e1580	e1120	e530	e6100	8490	812	1380	2850	690
7	2630	1830	e1120	e2450	e1060	e525	e6300	7300	920	1630	2380	678
8	4170	1740	e1350	e3320	e1020	e450	e6600	6510	1320	1750	1900	589
9	4390	1640	e1710	e3800	e990	e450	e6800	5990	1430	1630	1600	571
10	3860	1420	e1730	e3350	e960	e660	e6900	6000	1250	2120	1330	534
11	3340	1380	e1900	e3050	e930	e1020	e7000	6050	1080	2560	1160	592
12	3390	1260	e1550	e2750	e890	e1270	e6500	5720	983	2420	1050	664
13	4290	1450	e1710	e2450	e870	e1180	e5800	5190	858	2420	931	683
14	4320	1600	e1670	e2200	e830	e1250	e5200	5870	734	3330	828	628
15	3830	1620	e2010	e2020	e790	e1290	e4500	7060	677	3790	752	566
16	3560	1510	e1890	e2260	e760	e1310	e4300	6320	610	3620	678	515
17	4300	1680	e1750	e2300	e740	e1320	e4100	5290	548	3030	625	490
18	4560	1970	e1590	e2050	e720	e1320	e3850	4500	500	2570	583	491
19	4670	2030	e1490	e1860	e780	e1260	e4900	4000	449	2550	614	537
20	4460	1970	e1390	e1660	e760	e1190	e7180	3550	412	2430	610	509
21	4160	2580	e1310	e1480	e750	e1110	10300	3140	391	2050	587	478
22	3710	3700	e1220	e1320	e730	e1030	15800	2720	419	1770	567	455
23	3580	3790	e1110	e2200	e670	e980	23200	2460	1370	1510	527	524
24	3370	3700	e1010	e2120	e650	e940	25600	2200	4480	1260	490	642
25	2970	4420	e980	e2200	e640	e910	21400	2000	5000	1110	468	813
26	2670	4830	e870	e2320	e630	e900	15100	1820	5010	989	450	773
27	2490	4490	e920	e2310	e610	e900	11000	1670	4750	1080	608	700
28	2650	3680	e840	e2460	e610	e1550	9150	1560	4050	1420	1410	642
29	2980	3210	e790	e1430	e600	e2450	8190	1470	3210	1410	1580	587
30	2960	2660	e750	e1380	---	e3560	7940	1370	2640	1220	1500	550
31	2620	---	e750	e1320	---	e4800	---	1250	---	1030	1320	---
TOTAL	103780	73810	43060	61670	24860	36775	266950	156180	49043	61039	43338	19366
MEAN	3348	2460	1389	1989	857	1186	8898	5038	1635	1969	1398	646
MAX	4670	4830	2660	3800	1250	4800	25600	11400	5010	3790	4260	1140
MIN	1790	1260	750	670	600	450	3850	1250	391	989	450	455

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1992, BY WATER YEAR (WY)

MEAN	1808	2532	1866	1039	1017	1413	7989	8094	2483	1367	1077	1130
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1930 - 1992	
ANNUAL TOTAL	1038931		939871			
ANNUAL MEAN	2846		2568		2655	
HIGHEST ANNUAL MEAN					4145	1954
LOWEST ANNUAL MEAN					1409	1957
HIGHEST DAILY MEAN	30000	Apr 12	25600	Apr 24	42500	Apr 19 1983
LOWEST DAILY MEAN	105	Jul 31	391	Jun 21	75	Feb 13 1948
ANNUAL SEVEN-DAY MINIMUM	110	Jul 29	476	Jun 16	78	Feb 9 1948
INSTANTANEOUS PEAK FLOW			26100	Apr 24	43400	Apr 19 1983
INSTANTANEOUS PEAK STAGE			11.94	Apr 8	20.91	Dec 24 1973
10 PERCENT EXCEEDS	6570		5910		6830	
50 PERCENT EXCEEDS	1440		1580		1170	
90 PERCENT EXCEEDS	190		591		396	

e Estimated

01018500 ST. CROIX RIVER AT VANCEBORO, ME
(International gaging station)

LOCATION.--Lat 45°34'08", long 67°25'47", Washington County, Hydrologic Unit 01050001, on right bank at international highway bridge in Vanceboro and 400 ft downstream from outlet of Spednik Lake.
DRAINAGE AREA.--413 mi^2.
PERIOD OF RECORD.--Discharge: October 1928 to current year.
Chemical analyses: Water year 1955.
REVISED RECORDS.--WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 367.75 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Nov 30, Dec. 6 to Jan. 6, Jan. 12, 17, 19-22, 26-28, Feb. 10, 12, 15, and Mar. 1-3. Records good including periods of doubtful gage height record, Nov 30, Dec. 6 to Jan. 6, Jan. 12, 17, 19-22, 26-28, Feb. 10, 12, 15, and Mar. 1-3. Flow regulated by Chiputneticook Lakes, combined usable capacity, about 13,200,000,000 ft . Final regulation is at Spednik Lake Dam about 400 ft upstream. Several observations of water temperature and specific conductance were made during the year. 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 ft^3/s, June 3, 1984, gage height, 11.28 ft; minimum daily, 1.9 ft^3/s, Oct. 12, 22 and Nov. 4, 1936, when flow was held back by cofferdam during repairs to dam just upstream.
EXTREMES FOR CURRENT YEAR.--Maximum discharge,2,750 ft^3/s, July 18, gage height, 7.89 ft; minimum daily, 198 ft^3/s, June 15-18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	812	297	e1190	1530	e1190	216	264	203	226	1290	1410
2	239	815	300	e1190	1530	e1090	219	267	203	437	712	1400
3	240	813	298	e1190	1510	e1020	223	267	203	688	715	1390
4	562	520	416	e1190	1500	1020	226	268	202	688	1340	1380
5	775	279	736	e720	1400	1020	229	270	280	501	1830	1370
6	773	279	e1130	e467	1320	1020	231	271	644	216	1820	1370
7	577	280	e1320	464	1300	1010	232	272	440	207	2020	1350
8	381	281	e1320	463	1300	732	234	273	203	207	2220	1340
9	432	281	e1320	463	1290	383	235	275	203	207	2210	1340
10	433	282	e1320	460	e1290	383	236	276	235	443	2190	1330
11	437	282	e1320	458	1280	385	238	273	203	719	2010	1320
12	299	286	e1300	e456	e1280	390	240	271	304	501	1760	1310
13	206	286	e1300	454	e1320	388	241	272	691	847	1750	1300
14	207	286	e1280	452	1250	390	242	273	467	1860	1740	1290
15	209	286	e1260	457	e1240	388	240	458	198	2110	1730	1280
16	211	289	e1220	456	1250	391	241	569	198	2300	1720	1270
17	213	291	e1220	e456	1250	388	243	570	198	2500	1610	1260
18	214	291	e1220	456	1240	389	244	484	198	2700	1380	1260
19	214	292	e1220	e456	1240	773	246	231	283	2130	1300	1250
20	217	291	e1210	e840	1240	1100	248	216	698	947	1300	1240
21	218	292	e1200	e1220	1230	1020	248	205	832	479	1290	973
22	219	292	e1200	e1220	1230	697	250	406	509	479	1290	708
23	220	293	e1190	1220	1230	694	253	655	207	479	1280	713
24	485	295	e1190	772	1220	692	255	652	209	594	1370	706
25	753	296	e1190	447	1210	688	257	459	990	718	1480	704
26	819	297	e1190	e738	1210	684	259	216	1810	718	1470	701
27	816	298	e1190	e1220	1210	539	260	216	1810	716	1460	698
28	818	297	e1190	e1400	1200	207	262	216	1800	714	1450	698
29	816	298	e1190	1570	1200	210	262	300	1280	714	1440	695
30	812	e298	e1190	1560	---	213	263	645	534	713	1430	693
31	810	---	e1190	1550	---	215	---	454	---	1190	1420	---
TOTAL	13864	10478	34117	25655	37500	19709	7273	10744	16235	27948	48027	33749
MEAN	447	349	1101	828	1293	636	242	347	541	902	1549	1125
MAX	819	815	1320	1570	1530	1190	263	655	1810	2700	2220	1410
MIN	206	279	297	447	1200	207	216	205	198	207	712	693
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)												
MEAN	541	471	539	767	845	693	665	997	920	825	755	656
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	322774		285299			
ANNUAL MEAN	884		780		722	
HIGHEST ANNUAL MEAN					1203	1960
LOWEST ANNUAL MEAN					335	1985
HIGHEST DAILY MEAN	4380	May 4	2700	Jul 18	6210	Jun 3 1984
LOWEST DAILY MEAN	195	Apr 3	198	Jun 15	1.9	Oct 12 1936
ANNUAL SEVEN-DAY MINIMUM	196	Mar 30	211	Oct 13	2.0	Oct 11 1936
INSTANTANEOUS PEAK FLOW			2750	Jul 18	6730	Jun 3 1984
INSTANTANEOUS PEAK STAGE			7.89	Jul 18	11.28	Jun 3 1984
10 PERCENT EXCEEDS	1550		1410		1370	
50 PERCENT EXCEEDS	674		689		596	
90 PERCENT EXCEEDS	219		219		221	

e Estimated

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 oulet dam of Grand Lake.
DRAINAGE AREA.--227 mi^2.
PERIOD OF RECORD.--Discharge: October 1928 to current year. Monthly discharge only for October 1928 published in WSP 1301.
Chemical analyses: Water year 1954.
REVISED RECORDS.--WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 273.96 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Oct. 1 to Nov. 13, Dec. 5, 6, 18-20, Dec. 24 to Jan. 6, Jan. 11, 12, 15-17, 23 and 24. Records good including periods of ice effect, Dec. 5, 6, 18-20, Dec. 24 to Jan. 6, Jan. 11, 12, 15-17, 23 and 24 and period of no gage-height record, Oct. 1 to Nov. 13. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8,250,000,000 ft^3. 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 ft^3/s, June 12, 1952, gage height, 6.35 ft; minimum daily, 5 ft^3/s, Dec. 3-6, 1945.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,320 ft^3/s, Mar. 9 , gage height, 4.33 ft; minimum daily discharge, 101 ft^3/s, Oct. 17, 21, and 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e605	e108	110	e140	884	789	179	200	220	210	389	789
2	e841	e112	127	e140	882	776	180	202	220	208	301	648
3	e831	e110	137	e140	875	993	183	203	220	204	297	633
4	e820	e110	140	e145	870	1120	184	203	220	203	296	557
5	e805	e110	e140	e148	864	1100	186	203	218	203	406	486
6	e778	e110	e140	e150	854	1070	186	203	218	207	513	480
7	e648	e110	138	149	848	1060	188	203	220	207	507	478
8	e543	e110	137	149	841	1050	190	203	221	206	504	472
9	e538	e110	139	148	836	1160	190	204	220	209	500	469
10	e688	e110	138	148	831	980	191	205	220	210	500	465
11	e778	e110	137	e150	885	678	191	204	220	207	501	462
12	e635	e110	137	e150	922	1030	191	206	220	207	499	460
13	e533	e112	139	150	911	1250	191	207	220	209	492	453
14	e375	111	140	153	900	1220	191	206	220	210	486	444
15	e281	111	140	e153	890	1200	192	204	220	210	482	436
16	e135	112	140	e153	892	1170	193	203	221	215	477	431
17	e101	111	140	e153	889	1150	194	203	220	217	669	377
18	e103	110	e140	153	879	1230	194	203	220	219	649	302
19	e103	109	e140	153	876	1270	194	217	220	220	483	301
20	e103	109	e140	153	869	757	194	224	220	215	478	270
21	e101	109	143	153	855	328	195	224	220	267	669	270
22	e101	109	142	153	848	326	197	224	229	275	768	288
23	e103	112	140	e155	839	324	197	224	233	213	754	294
24	e103	112	e140	e157	830	324	197	222	229	211	949	285
25	e103	112	e140	158	822	324	198	221	239	210	1060	342
26	e105	112	e140	158	823	322	198	220	236	210	1030	376
27	e105	111	e140	158	815	336	199	220	235	210	994	370
28	e108	110	e140	158	806	250	200	220	232	210	974	369
29	e105	110	e140	386	802	149	200	220	224	208	946	368
30	e108	110	e140	524	---	148	200	220	210	207	930	365
31	e105	---	e140	744	---	166	---	220	---	369	911	---
TOTAL	11391	3312	4284	5882	24938	24050	5763	6541	6685	6786	19414	12740
MEAN	367	110	138	190	860	776	192	211	223	219	626	425
MAX	841	112	143	744	922	1270	200	224	239	369	1060	789
MIN	101	108	110	140	802	148	179	200	210	203	296	270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

MEAN	350	224	259	379	482	454	324	407	460	431	489	459
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	149281		131786			
ANNUAL MEAN	409		360		394	
HIGHEST ANNUAL MEAN					701	1960
LOWEST ANNUAL MEAN					178	1931
HIGHEST DAILY MEAN	1350	Feb 16	1270	Mar 19	2780	Jun 13 1952
LOWEST DAILY MEAN	101	Oct 17	101	Oct 17	5.0	Dec 3 1945
ANNUAL SEVEN-DAY MINIMUM	102	Oct 17	102	Oct 17	6.4	Dec 1 1945
INSTANTANEOUS PEAK FLOW			1320	Mar 9	2840	Jun 12 1952
INSTANTANEOUS PEAK STAGE			4.33	Mar 9	6.35	Jun 12 1952
10 PERCENT EXCEEDS	935		871		826	
50 PERCENT EXCEEDS	292		217		291	
90 PERCENT EXCEEDS	110		111		118	

e Estimated

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

LOCATION.--Lat 45°08'12", long 67°19'05", Washington County, Hydrologic Unit 01050001, on right bank at site of destroyed international highway bridge at Baring.
DRAINAGE AREA.--1,374 mi^2.
PERIOD OF RECORD.--Discharge: October 1959 to current year. Records 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: Dec. 6-8, 15-29, Jan. 2, 4, 9, 11-13, 16-23, 25,-29, Feb. 2-15, Feb. 28 to Mar. 3 and Sept. 22-30. Records good except for periods of ice effect, Dec. 6-8, 15-29, Jan. 2, 4, 9, 11-13, 16-23, 25-29, Feb. 2-15, Feb. 28 to Mar. 3, and period of no gage-height record, Sept. 22-30, which are fair. Flow regulated by Chiputneticook Lakes, Grand, and other lakes, combined capacity about 25,000,000,000 ft . Final regulation is at Woodland, 5.6 mi upstream from gage. Telephone and satellite gage-height telemeters at station.
COOPERATION.--This station is maintained by the United States under agreement with Canada.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft^3/s, May 29, 1961, gage height, 12.76 ft; minimum daily, 262 ft^3/s, Oct. 20, 1964.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,370 ft^3/s, June 26, gage height, 9.17 ft; minimum daily, 875 ft^3/s, June 20, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3470	3460	1920	2260	2570	e2510	5400	3040	1060	3160	2540	2530
2	3000	3470	1970	e1770	e2330	e2740	4790	3160	1080	2690	3150	2320
3	3220	3240	1680	1670	e2330	e2560	4800	2870	1240	2090	2860	2380
4	3230	2960	1820	e1490	e2440	2170	4860	1950	1170	2110	2610	2370
5	3080	2960	1800	2600	e2230	2440	4400	1300	1090	2110	2560	2090
6	3100	3030	e1770	3620	e2380	2290	3330	1230	1060	1510	2790	2000
7	3870	2960	e1980	3510	e2380	2510	4040	2060	1110	1250	2700	1930
8	3610	2810	e2090	3370	e2400	3030	4560	2560	1130	1180	2820	1760
9	3230	2810	1550	e3060	e2400	2900	4710	2430	1110	1440	2890	1900
10	3170	2730	1720	2650	e2450	2890	5920	2160	1080	1640	2560	2850
11	3290	2700	1600	e2470	e2550	3230	5780	1810	1070	1130	1940	2000
12	3970	2800	1600	e2480	e2550	2980	5430	2130	1060	1120	1240	1520
13	4950	3240	1880	e2530	e2700	2750	4400	1950	1040	1860	1100	1970
14	4840	2830	1880	2900	e2700	2830	3000	1830	974	4570	1570	2180
15	4650	2920	e1850	3140	e2320	3090	2930	1240	936	6100	2670	1540
16	4900	2780	e1850	e2810	2560	2710	2910	1180	933	5320	2560	1700
17	4750	2550	e1790	e2640	2500	2920	2940	1160	914	4830	2960	1350
18	3210	2540	e1730	e2380	2510	2620	2760	1210	915	4580	3180	1590
19	3030	2150	e1800	e2160	2760	2470	2670	1360	904	4450	2730	1470
20	2930	1850	e1900	e2130	2690	2170	2700	1250	875	3410	3190	1490
21	2990	2210	e1800	e1760	2690	1290	2630	1250	875	2480	3210	1760
22	2800	2050	e1820	e1660	2690	1330	3020	1240	1510	2010	2970	e2100
23	2680	2110	e1660	e1660	2720	1290	3170	1220	2660	1840	3000	e1520
24	2830	2290	e1650	2650	2890	1710	3250	1210	5980	1730	2960	e2000
25	2850	2270	e2090	e2700	2680	1860	3190	1190	6830	2050	2720	e2260
26	3010	2030	e2320	e2500	2720	1970	3260	1180	7660	1600	2490	e2360
27	2900	1920	e1900	e2440	2350	2570	3120	1170	7940	1140	2480	e2690
28	3010	2070	e1770	e2430	e2420	3820	3030	1150	6860	970	2460	e2500
29	2840	2070	e1700	e2430	e2500	5880	3160	1150	5700	1020	2420	e2170
30	2110	2060	1820	2330	---	6940	2960	1130	4230	1070	2370	e1320
31	2130	---	2880	2390	---	5920	---	1060	---	1320	2340	---
TOTAL	103650	77870	57590	76590	73410	88390	113120	50830	70996	73780	80040	59620
MEAN	3344	2596	1858	2471	2531	2851	3771	1640	2367	2380	2582	1987
MAX	4950	3470	2880	3620	2890	6940	5920	3160	7940	6100	3210	2850
MIN	2110	1850	1550	1490	2230	1290	2630	1060	875	970	1100	1320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1992, BY WATER YEAR (WY)

MEAN	1909	2385	2805	2352	2798	2946	5213	3882	2524	1718	1687	1728
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	1307	2024	1076	967	652	636	855
(WY)	1965	1965	1979	1985	1985	1967	1985	1987	1966	1966	1966	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1960 - 1992	
ANNUAL TOTAL	988469		925886			
ANNUAL MEAN	2708		2530		2658	
HIGHEST ANNUAL MEAN					3863	1960
LOWEST ANNUAL MEAN					1280	1985
HIGHEST DAILY MEAN	10800	Apr 11	7940	Jun 27	23200	May 29 1961
LOWEST DAILY MEAN	842	Jun 27	875	Jun 20	262	Oct 20 1964
ANNUAL SEVEN-DAY MINIMUM	882	Jun 26	907	Jun 15	327	Nov 6 1964
INSTANTANEOUS PEAK FLOW			8370	Jun 26	23500	May 29 1961
INSTANTANEOUS PEAK STAGE			9.17	Jun 26	12.76	May 29 1961
10 PERCENT EXCEEDS	4480		3680		4870	
50 PERCENT EXCEEDS	2610		2440		2220	
90 PERCENT EXCEEDS	991		1190		974	

e Estimated

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 mi^2.
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 microsiemens, Mar. 6, 1989; minimum, 23 microsiemens, 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, 159 microsiemens, June 21; minimum, 43 microsiemens, Sept. 18.
pH: Maximum, 7.3 units, Sept. 30; minimum, 6.3 units, June 30.
WATER TEMPERATURE: Maximum, 24.5°C, July 25, Aug. 25, 26; minimum, 0.5°C, on many days during winter period.
DISSOLVED OXYGEN: Maximum, 13.4 mg/L, Dec. 6; minimum, 6.4 mg/L, June 21, July 27.

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	STREAM-FLOW, INSTAN-TANEOU (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 (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												
13..	1030	3,240	60	7.0	2.0	4.0	2.7	755	12.5	96	30	K 16
FEB												
12..	1400	E 2,550	82	6.9	-18.0	0.5	1.2	766	13.4	93	62	28
APR												
14..	1125	3,030	58	6.9	1.5	2.0	2.1	765	12.9	93	67	24
AUG												
18..	1110	3,230	59	6.8	18.5	20.5	1.3	763	7.2	80	83	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-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											
13...	14	4.3	0.80	6.5	0.5	10	0.0	8.2	5.0	6.8	<0.1
FEB											
12...	14	4.4	0.75	9.5	0.7	14	0.0	11	9.0	8.9	<0.1
APR											
14...	12	3.9	0.65	5.9	0.7	9.0	0.0	7.4	6.6	7.6	0.1
AUG											
18...	12	3.9	0.59	6.3	0.6	11	0.0	9.0	4.9	6.8	<0.1

E **Estimated value**
K **Results based on colony count outside the acceptance range (non-Ideal colony counts).**
< **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 1991 TO SEPTEMBER 1992

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										
13...	3.2	52	32	0.01	0.01	0.06	<0.05	0.04	0.04	0.05
FEB										
12...	3.0	65	43	<0.01	<0.01	0.06	<0.05	0.06	0.06	0.08
APR										
14...	2.5	43	33	0.02	<0.01	<0.05	<0.05	0.03	0.03	0.04
AUG										
18...	1.5	35	30	<0.01	<0.01	<0.05	<0.05	0.03	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										
13...	0.3	0.02	0.02	0.02	<0.01	110	6	<3	160	<4
FEB										
12...	0.3	<0.01	<0.01	<0.01	<0.01	90	8	4	82	<4
APR										
14...	<0.2	<0.01	<0.01	0.02	<0.01	60	4	<3	78	<4
AUG										
18...	<0.2	0.02	<0.01	<0.01	<0.01	60	6	<3	85	<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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
13...	35	<10	<1	<1	<1.	19	<6	3	26	90
FEB										
12...	35	<10	<1	2	<1.	20	<6	3	25	67
APR										
14...	43	<10	<1	<1	<1.	17	<6	3	25	83
AUG										
18...	27	<10	<1	<1	<1.	19	<6	5	44	70

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	88	82	84	92	83	87	55	52	53	73	70	72
2	85	81	83	84	76	81	56	53	55	73	72	73
3	87	85	86	85	76	81	55	53	54	75	71	73
4	91	84	88	88	77	81	56	55	55	---	---	---
5	91	84	87	91	80	85	59	54	55	---	---	---
6	99	85	92	84	79	82	63	59	61	---	---	---
7	86	81	84	84	80	83	64	57	61	95	84	88
8	85	82	83	80	75	78	57	56	57	90	86	89
9	88	85	87	78	74	75	57	54	56	88	84	85
10	90	84	87	83	75	79	54	49	52	97	88	93
11	91	85	89	75	72	74	52	50	51	102	89	95
12	91	86	89	73	69	71	53	52	52	103	84	98
13	88	80	84	73	67	70	60	52	54	97	84	93
14	89	79	82	74	71	72	67	61	65	98	93	95
15	92	87	89	75	70	73	67	66	66	118	94	104
16	87	85	86	77	70	73	70	65	67	122	118	119
17	89	87	88	76	73	74	70	70	70	125	118	121
18	---	---	---	79	72	75	74	70	72	128	118	122
19	---	---	---	79	76	77	77	74	75	122	110	118
20	87	84	86	80	76	78	77	74	76	118	105	112
21	87	86	87	106	77	88	76	73	74	118	111	114
22	86	83	85	108	94	102	75	65	67	119	113	116
23	84	82	83	124	95	110	70	64	67	121	113	117
24	82	76	79	117	100	106	70	69	69	123	116	120
25	82	78	79	99	92	94	71	69	70	126	118	122
26	82	79	81	93	91	92	71	68	69	125	118	121
27	93	82	85	93	83	89	70	67	68	126	118	122
28	92	82	87	82	66	71	71	69	70	125	120	122
29	86	80	82	65	51	60	72	68	69	130	123	126
30	---	---	---	52	50	51	72	69	71	132	122	127
31	---	---	---	53	52	52	---	---	---	137	125	132
MONTH	99	76	85	124	50	79	77	49	63	137	70	107

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	142	133	139	70	64	68	126	77	100	90	85	87
2	148	135	143	77	69	70	75	67	71	86	78	80
3	148	139	144	88	78	83	66	59	65	88	80	85
4	139	121	130	90	86	88	67	57	60	87	82	85
5	142	130	137	92	89	91	72	68	70	91	85	89
6	140	130	136	99	89	92	72	69	71	92	90	91
7	138	134	135	119	100	113	74	65	68	92	88	90
8	141	126	133	121	111	116	77	69	73	99	91	95
9	133	124	128	118	112	115	69	67	68	101	98	99
10	135	122	129	118	91	99	79	69	70	100	81	89
11	138	125	133	110	96	100	83	67	73	92	79	84
12	139	129	134	121	111	118	110	73	99	115	92	107
13	140	129	136	123	98	112	120	108	115	120	104	115
14	144	136	140	98	56	80	134	119	126	104	72	80
15	152	141	148	58	52	54	123	76	89	81	72	76
16	153	147	150	58	57	57	77	75	76	76	51	68
17	155	146	150	59	56	57	76	68	72	51	46	48
18	155	141	150	60	59	60	69	67	68	52	43	48
19	157	148	152	61	60	61	79	68	70	48	45	46
20	158	146	153	70	61	65	79	63	71	52	47	50
21	159	151	155	82	70	74	74	67	69	50	47	49
22	155	129	149	90	84	88	71	68	69	53	47	49
23	123	78	91	97	90	93	72	70	71	87	53	71
24	77	54	61	98	92	95	72	69	70	106	87	102
25	54	50	52	108	88	96	72	68	70	112	97	106
26	52	48	50	93	88	91	77	68	73	97	85	91
27	48	47	48	120	93	107	81	76	79	89	82	85
28	52	48	49	135	121	128	85	81	83	82	76	78
29	53	52	53	142	132	137	89	85	87	87	78	83
30	64	53	56	136	124	132	89	88	88	111	80	97
31	---	---	---	131	120	126	89	86	88	---	---	---
MONTH	159	47	119	142	52	92	134	57	78	120	43	81
YEAR	159	43	85									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.8	6.8	6.6	6.4	6.5	7.0	6.8	6.9	6.9	6.8	6.8
2	6.8	6.8	6.8	6.6	6.5	6.5	6.8	6.7	6.8	6.9	6.7	6.8
3	6.9	6.8	6.8	6.6	6.5	6.6	6.8	6.7	6.7	6.9	6.8	6.8
4	6.9	6.7	6.7	6.6	6.6	6.6	6.8	6.7	6.7	6.9	6.9	6.9
5	6.8	6.7	6.7	6.7	6.6	6.6	6.9	6.7	6.8	6.9	6.8	6.9
6	6.8	6.7	6.8	6.6	6.5	6.6	6.9	6.7	6.8	7.0	6.8	6.9
7	6.8	6.7	6.7	6.7	6.6	6.6	6.8	6.7	6.7	7.0	6.9	6.9
8	6.8	6.7	6.7	6.7	6.6	6.6	6.9	6.7	6.8	6.9	6.5	6.8
9	6.9	6.7	6.8	6.7	6.6	6.6	6.9	6.7	6.8	6.9	6.7	6.8
10	6.9	6.9	6.9	6.7	6.6	6.6	6.8	6.7	6.8	6.9	6.7	6.8
11	6.9	6.8	6.9	6.7	6.6	6.6	6.9	6.7	6.8	6.9	6.8	6.8
12	6.9	6.8	6.9	6.8	6.6	6.7	6.9	6.8	6.9	7.0	6.9	7.0
13	6.9	6.8	6.8	6.8	6.7	6.7	6.9	6.8	6.9	7.1	7.0	7.0
14	6.8	6.8	6.8	6.7	6.6	6.7	7.0	6.8	6.9	7.0	6.8	6.9
15	6.9	6.8	6.8	6.8	6.6	6.7	7.0	6.7	6.8	7.0	6.9	6.9
16	6.9	6.8	6.8	6.8	6.7	6.8	6.8	6.7	6.8	7.0	6.8	6.9
17	6.9	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.8	6.9	6.8	6.8
18	6.8	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.7	6.9	6.7	6.8
19	6.8	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.7	6.9	6.8	6.8
20	6.8	6.8	6.8	6.8	6.7	6.7	6.9	6.7	6.8	6.9	6.8	6.8
21	6.8	6.8	6.8	6.8	6.7	6.7	6.9	6.7	6.8	6.9	6.8	6.9
22	6.8	6.7	6.8	6.9	6.8	6.8	6.8	6.7	6.8	6.9	6.8	6.8
23	6.7	6.6	6.6	6.9	6.8	6.9	6.8	6.7	6.8	7.1	6.8	6.9
24	6.6	6.6	6.6	6.9	6.8	6.9	6.8	6.7	6.8	7.1	7.0	7.1
25	6.6	6.5	6.6	6.9	6.8	6.9	6.8	6.7	6.7	7.2	7.1	7.1
26	6.5	6.4	6.5	6.9	6.8	6.9	6.8	6.7	6.7	7.2	7.0	7.1
27	6.5	6.4	6.4	6.9	6.8	6.9	6.7	6.7	6.7	7.1	7.0	7.0
28	6.4	6.4	6.4	6.9	6.9	6.9	6.8	6.7	6.7	7.1	7.0	7.0
29	6.5	6.4	6.4	7.0	6.9	7.0	6.8	6.7	6.7	7.1	7.0	7.0
30	6.5	6.3	6.4	7.0	7.0	7.0	6.8	6.7	6.8	7.3	7.0	7.2
31	---	---	---	7.0	6.9	7.0	6.8	6.7	6.8	---	---	---
MONTH	6.9	6.3	6.7	7.0	6.4	6.7	7.0	6.7	6.8	7.3	6.5	6.9
YEAR	**7.3**	**6.3**	**6.8**									

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.5	.5	.5	.5	.5	.5	4.0	2.0	2.5	10.0	7.5	9.0
2	.5	.5	.5	.5	.5	.5	3.0	2.5	2.5	9.5	8.5	8.5
3	.5	.5	.5	.5	.5	.5	2.5	2.0	2.5	10.0	8.5	9.0
4	.5	.5	.5	1.0	.5	.5	3.5	2.0	2.5	---	---	---
5	.5	.5	.5	1.5	.5	1.0	3.5	2.5	3.0	---	---	---
6	.5	.5	.5	1.5	.5	1.0	4.0	3.0	3.5	---	---	---
7	.5	.5	.5	1.5	.5	1.0	4.5	2.5	3.5	11.5	8.5	9.5
8	.5	.5	.5	1.5	1.0	1.5	4.5	3.5	3.5	12.0	9.0	10.5
9	.5	.5	.5	2.0	.5	1.5	5.5	3.0	4.0	11.5	10.5	11.0
10	.5	.5	.5	2.5	1.0	1.5	5.5	3.5	4.5	12.5	11.0	11.5
11	.5	.5	.5	2.0	1.5	1.5	4.0	3.0	3.5	13.5	11.0	12.5
12	.5	.5	.5	2.0	1.5	1.5	3.0	2.5	3.0	14.5	11.5	13.0
13	.5	.5	.5	1.5	.5	1.0	3.5	1.5	2.5	15.5	13.0	14.0
14	.5	.5	.5	1.0	.5	1.0	3.5	2.0	2.5	15.0	14.0	14.5
15	.5	.5	.5	1.5	.5	.5	4.5	1.5	3.0	15.5	13.5	14.5
16	.5	.5	.5	1.5	.5	1.0	5.5	2.5	4.0	15.5	15.0	15.5
17	.5	.5	.5	2.0	.5	1.0	4.5	3.5	4.0	16.0	15.5	16.0
18	---	---	---	1.5	.5	1.0	5.5	3.5	4.5	16.0	14.0	15.0
19	---	---	---	2.0	.5	1.5	7.0	4.0	5.5	17.0	14.0	15.5
20	1.0	1.0	1.0	2.5	.5	1.5	6.5	5.0	6.0	17.5	16.0	16.5
21	1.0	.5	.5	2.0	1.5	2.0	9.5	5.5	7.5	19.0	17.0	17.5
22	1.0	.5	.5	2.0	1.5	2.0	8.5	7.0	7.5	20.5	19.0	19.5
23	1.5	1.0	1.0	3.0	2.0	2.5	7.0	6.5	7.0	21.0	20.5	20.5
24	1.0	.5	.5	3.0	2.0	2.5	7.0	6.0	6.5	21.0	17.0	19.0
25	1.0	.5	.5	3.5	1.5	2.5	6.5	6.0	6.0	18.0	16.0	17.0
26	1.0	.5	1.0	4.0	2.5	3.5	5.5	5.0	5.0	18.0	17.5	17.5
27	1.5	.5	1.0	4.0	2.5	3.0	7.0	4.5	5.5	18.0	18.0	18.0
28	1.0	.5	.5	3.0	2.5	2.5	8.0	5.0	6.5	18.5	18.0	18.0
29	1.0	.5	.5	2.5	2.0	2.0	9.0	5.5	7.0	19.5	18.0	19.0
30	---	---	---	3.0	1.5	2.0	9.5	6.5	8.0	20.0	19.5	20.0
31	---	---	---	2.5	1.5	2.0	---	---	---	20.5	19.0	20.0
MONTH	1.5	.5	.5	4.0	.5	1.5	9.5	1.5	4.5	21.0	7.5	15.0

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	18.5	19.0	21.5	20.0	21.0	22.5	21.0	21.5	22.5	21.0	21.5
2	19.5	19.0	19.0	20.5	19.0	19.5	23.0	20.5	21.5	22.0	20.0	21.0
3	20.0	19.0	19.5	21.0	19.0	20.0	23.0	21.0	22.0	21.0	20.0	20.5
4	20.0	19.5	19.5	20.5	18.5	19.5	22.5	21.0	22.0	20.5	19.5	19.5
5	19.5	18.5	19.0	18.5	18.0	18.5	23.0	21.5	22.0	21.5	19.5	20.5
6	18.5	16.5	17.5	18.5	18.0	18.0	23.0	20.5	22.0	21.0	19.5	20.5
7	20.0	16.5	18.0	20.5	18.0	19.0	23.5	21.0	22.0	21.0	19.5	20.0
8	21.0	20.0	20.5	22.0	20.5	21.0	23.5	21.5	22.5	20.0	19.5	20.0
9	22.0	20.5	21.5	22.0	20.5	20.5	23.0	21.5	22.0	21.0	20.0	20.5
10	21.0	20.0	20.5	20.5	20.0	19.5	22.5	21.5	22.0	21.0	20.0	20.5
11	21.5	20.5	21.0	22.0	20.5	21.0	24.0	21.5	22.5	20.5	20.0	20.5
12	22.0	20.5	21.5	22.5	22.0	22.0	24.0	22.5	23.0	20.0	19.0	19.5
13	22.0	21.0	21.5	22.0	19.5	21.0	22.5	22.0	22.5	20.0	18.5	19.5
14	21.0	20.5	21.0	20.5	19.5	20.0	23.0	22.0	22.5	20.5	18.5	19.5
15	20.5	19.5	20.0	21.0	19.5	20.0	23.0	21.5	22.5	20.5	19.0	19.5
16	21.0	19.0	20.0	21.5	19.0	20.5	22.5	21.0	21.5	21.0	19.5	20.0
17	22.5	20.5	21.5	21.5	19.5	20.5	22.0	21.0	21.5	21.5	20.0	20.5
18	23.0	21.5	22.5	21.0	19.5	20.0	21.5	21.0	21.0	21.5	21.0	21.5
19	22.0	21.5	22.0	22.5	20.0	21.5	22.5	20.5	21.5	21.5	20.0	20.5
20	23.0	21.5	22.5	24.0	21.5	22.5	22.0	21.0	21.5	20.0	19.0	19.5
21	21.5	20.5	21.0	23.0	21.0	22.0	22.5	20.5	21.5	19.5	18.5	19.5
22	20.5	18.5	19.5	23.0	21.0	22.0	22.5	20.5	21.5	19.5	19.0	19.0
23	19.5	18.0	18.5	22.5	21.5	22.0	23.0	21.0	22.0	19.5	18.0	19.0
24	20.5	18.5	19.5	24.0	21.0	22.5	23.5	21.0	22.5	18.0	16.5	17.5
25	19.5	18.0	18.5	24.5	22.5	23.5	24.5	22.0	23.5	18.5	16.5	17.5
26	19.0	17.5	18.0	24.0	22.0	23.0	24.5	23.0	23.5	18.0	16.5	17.5
27	20.0	18.0	18.5	23.5	21.0	22.0	24.0	22.5	23.0	18.0	17.0	17.5
28	20.0	18.0	19.0	22.5	20.5	21.5	24.0	22.5	23.0	18.5	17.0	17.5
29	21.5	19.0	20.0	24.0	22.5	23.0	23.5	22.5	22.5	18.0	16.5	17.0
30	21.5	19.5	20.5	24.0	23.0	23.5	23.0	21.5	22.5	16.5	14.0	15.0
31	---	---	---	23.0	22.5	22.5	23.0	21.5	22.5	---	---	---
MONTH	23.0	16.5	20.0	24.5	18.0	21.0	24.5	20.5	22.0	22.5	14.0	19.5
YEAR	**24.5**	**.5**	**10.0**									

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.2	9.0	9.1	11.3	11.2	11.3	12.7	12.5	12.6	13.2	13.1	13.2
2	9.0	8.9	9.0	11.2	11.0	11.1	12.9	12.5	12.7	13.3	13.0	13.2
3	9.7	8.8	9.2	11.1	10.9	11.0	13.0	12.7	12.9	13.1	12.9	13.0
4	9.6	9.5	9.5	11.2	10.9	11.0	12.9	12.8	12.8	13.1	12.9	13.0
5	9.6	9.4	9.5	11.5	11.2	11.3	13.1	12.8	13.0	12.9	12.6	12.7
6	9.5	9.0	9.1	11.5	11.3	11.4	13.4	12.9	13.2	12.7	12.6	12.6
7	9.2	8.9	9.0	11.4	11.3	11.3	13.2	12.9	13.1	12.7	12.6	12.6
8	9.3	9.0	9.1	11.7	11.3	11.5	13.0	12.8	12.9	13.0	12.6	12.8
9	9.4	9.0	9.2	12.0	11.6	11.8	12.9	12.5	12.7	12.9	12.6	12.8
10	9.3	9.1	9.2	12.1	11.9	12.0	12.9	12.5	12.7	12.6	12.4	12.6
11	9.2	9.0	9.1	12.2	12.0	12.1	13.0	12.8	12.9	12.7	12.4	12.6
12	9.2	8.8	9.0	12.3	12.0	12.2	13.0	12.7	12.9	12.8	12.5	12.7
13	9.5	9.1	9.3	12.3	11.8	12.1	13.0	12.8	13.0	12.6	12.5	12.6
14	10.2	9.4	9.9	11.9	11.7	11.8	13.0	12.7	12.9	12.6	12.4	12.6
15	10.3	10.1	10.2	12.0	11.8	11.9	13.1	12.8	12.9	12.8	12.3	12.5
16	10.6	10.3	10.4	11.9	11.8	11.9	13.1	12.9	13.0	12.8	12.6	12.7
17	10.5	10.1	10.4	12.3	11.9	12.1	13.2	13.0	13.2	12.9	12.6	12.8
18	10.1	9.9	10.0	12.6	12.3	12.4	13.2	12.9	13.0	12.9	12.6	12.7
19	10.1	9.8	10.0	12.5	12.4	12.5	13.2	12.7	13.0	13.1	12.9	13.0
20	10.5	10.1	10.3	12.4	12.2	12.3	13.1	12.9	13.0	12.9	12.7	12.8
21	10.7	10.4	10.5	12.3	12.0	12.2	13.1	12.7	12.9	12.9	12.8	12.8
22	10.6	10.4	10.5	12.1	11.9	12.0	12.9	12.7	12.8	13.2	12.8	13.0
23	10.6	10.4	10.5	12.1	12.0	12.0	12.9	12.5	12.7	13.2	12.8	13.0
24	10.7	10.5	10.6	12.0	11.8	11.9	12.6	12.4	12.5	12.8	12.3	12.4
25	10.7	10.5	10.6	11.9	11.7	11.8	13.1	12.6	12.9	13.0	12.3	12.7
26	10.5	10.4	10.5	12.3	11.9	12.1	13.1	13.0	13.0	13.0	12.8	12.9
27	10.4	10.3	10.3	12.5	12.2	12.3	13.0	12.8	12.9	13.2	13.0	13.1
28	10.9	10.3	10.6	12.5	12.3	12.4	13.0	12.9	13.0	13.3	13.1	13.2
29	11.3	10.8	11.1	12.5	12.3	12.4	13.0	12.9	13.0	13.1	12.8	12.9
30	11.7	11.3	11.5	12.8	12.5	12.6	13.1	12.7	12.8	12.8	12.7	12.8
31	11.6	11.3	11.4	---	---	---	13.3	13.1	13.2	12.8	12.7	12.5
MONTH	11.7	8.8	10.0	12.8	10.9	11.9	13.4	12.4	12.9	13.3	12.3	12.8

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.0	12.8	12.9	12.7	12.5	12.6	12.6	12.2	12.5	12.1	11.6	11.8
2	13.0	12.9	12.9	12.7	12.5	12.6	12.4	12.2	12.3	11.6	11.2	11.4
3	13.0	12.9	12.9	12.6	12.4	12.5	12.4	12.1	12.2	11.4	11.0	11.2
4	13.1	12.9	13.0	12.5	12.3	12.4	12.5	12.3	12.4	---	---	---
5	12.9	12.8	12.8	12.5	12.4	12.4	12.5	12.1	12.3	---	---	---
6	13.0	12.9	12.9	12.9	12.4	12.7	12.5	12.1	12.3	---	---	---
7	13.1	13.0	13.1	12.8	12.5	12.7	12.7	12.2	12.4	11.4	10.8	11.1
8	13.1	12.9	13.0	12.5	12.2	12.3	12.5	12.2	12.3	11.1	10.5	10.8
9	12.9	12.7	12.8	12.4	11.9	12.2	12.7	12.3	12.5	10.6	10.1	10.3
10	13.2	12.8	13.0	12.4	11.9	12.1	12.6	12.4	12.5	10.3	9.8	10.1
11	13.1	12.8	13.0	12.3	11.9	12.1	12.8	12.5	12.7	10.5	9.9	10.2
12	13.0	12.7	12.9	12.2	11.8	12.0	12.8	12.6	12.7	10.4	9.8	10.1
13	12.8	12.4	12.6	12.4	12.0	12.2	13.1	12.6	12.9	9.9	9.4	9.6
14	12.6	12.3	12.4	12.4	12.1	12.2	13.1	12.7	12.8	9.5	9.0	9.3
15	12.8	12.5	12.7	12.5	12.0	12.3	13.0	12.6	12.9	9.5	9.2	9.3
16	12.4	12.2	12.3	12.6	12.1	12.4	13.0	12.8	12.9	9.4	8.9	9.1
17	12.5	12.3	12.4	12.4	12.2	12.3	12.8	12.6	12.7	9.4	8.9	9.1
18	---	---	---	12.9	12.2	12.5	12.8	12.5	12.7	9.1	8.5	8.8
19	---	---	---	12.6	12.4	12.5	12.7	12.4	12.6	9.1	8.7	8.9
20	12.7	12.5	12.6	12.6	12.3	12.4	12.5	12.3	12.4	9.1	8.5	8.8
21	12.8	12.5	12.7	12.6	12.3	12.4	12.3	12.0	12.2	8.9	8.3	8.5
22	12.7	12.6	12.7	12.6	12.4	12.5	12.1	11.7	11.9	8.8	8.0	8.3
23	12.7	12.4	12.5	12.6	12.2	12.3	11.9	11.7	11.8	8.4	7.7	8.0
24	12.7	12.6	12.7	12.6	12.2	12.4	12.1	11.6	11.8	8.2	7.7	7.8
25	12.7	12.6	12.7	12.9	12.5	12.7	12.1	11.6	11.8	8.4	7.9	8.1
26	12.5	12.3	12.4	12.8	12.6	12.7	12.3	11.8	12.1	8.4	7.9	8.2
27	12.3	12.2	12.3	12.6	12.1	12.3	12.5	12.1	12.3	8.4	7.9	8.1
28	12.5	12.3	12.4	12.2	12.0	12.1	12.5	12.0	12.3	8.4	7.9	8.1
29	12.7	12.2	12.4	12.6	11.9	12.3	12.5	12.0	12.2	8.4	7.9	8.1
30	---	---	---	12.9	12.6	12.7	12.3	11.8	12.0	8.4	7.7	8.0
31	---	---	---	12.7	12.5	12.6	---	---	---	8.3	7.8	8.0
MONTH	13.2	12.2	12.7	12.9	11.8	12.4	13.1	11.6	12.4	12.1	7.7	9.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.3	7.7	8.0	7.9	7.3	7.6	7.1	6.8	7.0	7.7	7.1	7.4
2	8.1	7.6	7.8	7.9	7.5	7.7	7.4	6.9	7.2	7.8	7.3	7.5
3	8.2	7.6	7.8	7.8	7.4	7.6	7.5	6.9	7.2	7.8	7.3	7.6
4	8.1	7.5	7.7	7.6	7.4	7.5	7.4	7.0	7.2	7.8	7.5	7.6
5	8.2	7.8	7.9	7.6	7.4	7.5	7.5	6.9	7.2	7.9	7.4	7.6
6	8.3	8.0	8.2	7.7	7.5	7.6	7.6	7.0	7.3	8.0	7.5	7.8
7	8.3	7.8	8.1	7.7	7.5	7.6	7.4	7.0	7.2	8.0	7.6	7.8
8	8.0	7.5	7.7	7.6	7.3	7.5	7.6	6.9	7.2	7.9	6.8	7.6
9	7.9	7.4	7.6	7.5	7.1	7.3	7.5	7.0	7.3	7.8	7.2	7.5
10	7.9	7.4	7.6	7.8	7.2	7.5	7.4	6.9	7.1	7.8	7.4	7.6
11	7.8	7.3	7.5	7.5	7.3	7.3	7.3	7.0	7.1	7.7	7.3	7.5
12	7.7	7.2	7.4	7.3	6.9	7.1	7.3	7.0	7.1	8.1	7.5	7.8
13	7.5	6.7	7.0	7.2	6.9	7.1	7.4	7.1	7.2	8.2	7.7	7.9
14	7.0	6.7	6.9	8.0	7.2	7.6	7.3	6.9	7.1	8.2	7.7	8.0
15	7.1	6.8	6.9	8.0	7.6	7.8	7.5	7.0	7.2	8.2	7.8	8.0
16	7.3	7.0	7.1	8.0	7.5	7.7	7.4	7.0	7.2	8.3	7.8	8.1
17	7.2	6.8	7.0	8.0	7.6	7.8	7.5	7.1	7.3	8.3	7.7	7.9
18	7.0	6.8	6.9	7.9	7.6	7.7	7.4	7.2	7.3	8.1	7.6	7.8
19	7.1	6.7	6.9	7.9	7.5	7.7	7.4	7.0	7.1	8.1	7.6	7.8
20	6.9	6.5	6.7	7.6	7.3	7.4	7.5	7.1	7.3	8.4	8.0	8.1
21	6.8	6.4	6.6	7.4	7.2	7.3	7.5	7.0	7.3	8.4	8.0	8.2
22	7.4	6.6	7.1	7.5	7.1	7.3	7.6	7.1	7.3	8.4	7.9	8.1
23	7.6	7.1	7.4	7.4	7.0	7.2	7.6	7.1	7.3	8.3	7.6	8.0
24	8.2	7.5	7.9	7.3	7.0	7.2	7.5	7.1	7.3	8.5	8.0	8.2
25	8.4	8.0	8.2	7.2	6.9	7.0	7.4	7.0	7.2	8.6	8.2	8.4
26	8.6	8.2	8.4	7.1	6.8	6.9	7.3	6.8	7.1	8.8	8.2	8.4
27	8.5	8.3	8.4	7.0	6.4	6.6	7.2	6.8	6.9	8.7	8.3	8.5
28	8.4	8.1	8.3	7.0	6.6	6.7	7.1	6.7	6.9	8.8	8.2	8.5
29	8.3	8.0	8.1	6.8	6.5	6.7	7.1	6.8	7.0	8.6	8.2	8.4
30	8.1	7.4	7.7	6.9	6.6	6.7	7.5	6.9	7.2	9.0	8.5	8.7
31	---	---	---	7.1	6.6	6.8	7.4	6.9	7.2	---	---	---
MONTH	8.6	6.4	7.6	8.0	6.4	7.3	7.6	6.7	7.2	9.0	6.8	7.9
YEAR	**13.4**	**6.4**	**10.3**									

01021200 DENNYS RIVER AT DENNYSVILLE, 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 Dennysville.
DRAINAGE AREA.--92.9 mi^2.
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: Oct. 6 to Nov. 13, Dec. 16 to Jan. 5, Jan. 10-14, 16-24, Jan. 26 to Feb. 16, Mar. 1-6 and 14-20. Records good except for periods of ice effect, Dec. 16 to Jan. 5, Jan. 10-14, 16-24, Jan. 26 to Feb. 16, Mar. 1-6 and 14-20, and period of no gage-height record, Oct. 6 to Nov. 13, which are fair. Flow slightly regulated by dam at outlet of Meddybumps 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 ft^3/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,400 ft^3/s); minimum, 8.4 ft^3/s, Oct. 1, 1957, gage height, 0.28 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 06	0500	*999	*4.65	June 23	0300	883	4.30
Mar. 29	0100	851	4.20				

Minimum discharge, 56 ft^3/s, Sept. 21, 22, gage height, 0.92 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	e200	161	e96	e100	e150	309	182	126	178	184	65
2	173	e298	158	e96	e98	e149	330	173	124	165	242	64
3	175	e311	152	e94	e96	e148	323	198	110	148	203	62
4	157	e284	195	e94	e93	e147	331	209	104	135	157	71
5	134	e243	236	e300	e91	e146	349	188	100	137	134	76
6	e136	e209	319	935	e90	e147	349	169	112	223	118	74
7	e321	e188	244	717	e89	155	329	156	307	296	107	70
8	e436	e172	174	500	e89	273	335	145	263	236	101	67
9	e371	e158	177	317	e87	395	328	164	198	196	97	66
10	e289	e146	222	e232	e86	360	302	212	153	208	96	67
11	e265	e151	223	e189	e86	349	284	198	128	179	95	67
12	e411	e224	216	e162	e84	463	230	173	114	152	93	65
13	e346	e261	225	e145	e83	417	196	160	106	175	91	63
14	e272	287	294	e190	e81	e289	186	159	101	236	89	61
15	e224	231	371	421	e119	e203	186	152	99	220	87	60
16	e258	242	e270	e289	e170	e161	192	137	97	184	86	60
17	e578	229	e192	e205	227	e143	191	129	95	152	86	60
18	e544	197	e164	e168	211	e130	184	121	92	166	117	59
19	e490	176	e153	e134	209	e128	197	116	89	234	179	59
20	e376	164	e142	e113	232	e125	216	109	87	195	162	58
21	e293	158	e131	e101	237	121	236	106	86	161	134	57
22	e247	151	e128	e98	214	120	281	102	350	143	114	59
23	e220	198	e120	e107	198	131	303	96	837	128	102	81
24	e198	291	e118	e440	183	127	309	95	622	119	95	85
25	e182	324	e112	445	173	124	269	107	461	112	87	76
26	e172	270	e109	e230	174	128	251	105	466	107	77	68
27	e162	217	e107	e168	170	267	241	98	366	104	72	67
28	e173	185	e102	e132	165	767	244	93	277	118	69	71
29	e184	175	e99	e110	171	739	222	130	230	133	66	69
30	e173	165	e99	e104	---	467	206	135	176	134	66	67
31	e172	---	e98	e102	---	370	---	130	---	132	66	---
TOTAL	8316	6505	5511	7434	4106	7839	7909	4447	6476	5206	3472	1994
MEAN	268	217	178	240	142	253	264	143	216	168	112	66.5
MAX	578	324	371	935	237	767	349	212	837	296	242	85
MIN	134	146	98	94	81	120	184	93	86	104	66	57
CFSM	2.89	2.33	1.91	2.58	1.52	2.72	2.84	1.54	2.32	1.81	1.21	.72
IN.	3.33	2.60	2.21	2.98	1.64	3.14	3.17	1.78	2.59	2.08	1.39	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1992, BY WATER YEAR (WY)

MEAN	116	198	220	192	194	253	447	280	169	96.2	74.7	80.2
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1956 - 1992	
ANNUAL TOTAL	76773		69215			
ANNUAL MEAN	210		189		193	
HIGHEST ANNUAL MEAN					292	1973
LOWEST ANNUAL MEAN					96.0	1985
HIGHEST DAILY MEAN	952	Apr 22	935	Jan 6	3350	Apr 29 1973
LOWEST DAILY MEAN	50	Sep 14	57	Sep 21	8.6	Sep 30 1957
ANNUAL SEVEN-DAY MINIMUM	51	Sep 13	59	Sep 16	9.5	Sep 25 1957
INSTANTANEOUS PEAK FLOW			999	Jan 6	3930	Apr 29 1973
INSTANTANEOUS PEAK STAGE			4.65	Jan 6	9.35	Apr 29 1973
INSTANTANEOUS LOW FLOW			56	Sep 21	8.4	Oct 1 1957
ANNUAL RUNOFF (CFSM)	2.26		2.04		2.08	
ANNUAL RUNOFF (INCHES)	30.74		27.72		28.23	
10 PERCENT EXCEEDS	413		328		421	
50 PERCENT EXCEEDS	173		162		131	
90 PERCENT EXCEEDS	81		82		43	

e Estimated

01022340 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 Book and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.
DRAINAGE AREA.--0.042 mi^2. Furnished by U.S. Environmental Protection Agency.
PERIOD OF RECORD.--March 1988 to current year.
REVISED 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.--No estimated daily discharges. Records excellent except for flows between 0.10 ft^3/s and 0.010 ft^3/s, which are good, and for flows below 0.010 ft^3/s, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9.91 ft^3/s, Mar. 27, 1988, gage height, 6.39 ft; no flow for several days in 1988-92.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2.2 ft^3/s and maximum (*)

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 05	1400	3.53	5.92	Mar. 28	16.55	2.34	5.78
Mar. 27	1420	*4.14	*5.98				

No flow for several days in September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.069	.41	.068	.022	.032	.027	.17	.11	.014	.034	.092	.002
2	.12	.40	.063	.022	.032	.023	.15	.11	.014	.027	.042	.001
3	.091	.21	.058	.022	.028	.022	.12	.15	.013	.021	.019	.001
4	.070	.15	.098	.021	.027	.022	.092	.15	.010	.021	.014	.011
5	.052	.11	.068	1.49	.027	.026	.085	.12	.007	.027	.013	.009
6	.051	.097	.060	.69	.022	.028	.11	.10	.14	.12	.008	.006
7	.81	.085	.052	.27	.022	.050	.17	.095	.18	.076	.005	.006
8	.25	.070	.049	.15	.022	.48	.26	.085	.080	.042	.004	.004
9	.14	.061	.13	.11	.022	.22	.24	.12	.045	.070	.004	.006
10	.098	.060	.12	.095	.018	.11	.24	.13	.025	.079	.004	.008
11	.12	.13	.091	.070	.018	.38	.17	.11	.020	.045	.007	.007
12	.23	.23	.074	.053	.018	.80	.12	.10	.016	.026	.013	.005
13	.17	.13	.19	.049	.018	.18	.093	.10	.014	.077	.005	.003
14	.11	.10	.28	.16	.016	.11	.084	.098	.011	.069	.004	.002
15	.085	.10	.25	.29	.014	.078	.098	.082	.012	.063	.003	.001
16	.51	.15	.14	.12	.095	.063	.12	.073	.008	.043	.003	.001
17	.45	.11	.092	.059	.068	.056	.11	.069	.005	.026	.004	.000
18	.23	.093	.073	.043	.041	.046	.10	.062	.004	.068	.13	.000
19	.17	.074	.064	.016	.052	.042	.16	.060	.005	.052	.10	.000
20	.12	.069	.060	.012	.066	.038	.16	.055	.004	.030	.045	.000
21	.099	.063	.060	.011	.060	.032	.28	.049	.005	.026	.022	.000
22	.090	.059	.054	.009	.047	.028	.32	.042	.29	.018	.015	.002
23	.075	.31	.052	.092	.041	.027	.46	.034	.38	.014	.010	.009
24	.069	.30	.047	.72	.038	.023	.31	.034	.13	.011	.007	.004
25	.061	.29	.039	.12	.033	.022	.21	.048	.64	.008	.005	.002
26	.067	.16	.034	.067	.032	.030	.16	.038	.34	.005	.004	.000
27	.065	.11	.032	.034	.032	1.27	.16	.032	.15	.007	.003	.003
28	.19	.095	.029	.032	.032	1.25	.17	.027	.096	.007	.004	.003
29	.13	.082	.027	.033	.030	.49	.14	.020	.057	.004	.005	.002
30	.094	.069	.027	.032	---	.22	.12	.016	.041	.003	.006	.001
31	.11	---	.023	.033	---	.15	---	.014	---	.002	.003	---
TOTAL	4.996	4.377	2.504	4.947	1.003	6.343	5.182	2.333	2.756	1.121	0.603	0.099
MEAN	.16	.15	.081	.16	.035	.20	.17	.075	.092	.036	.019	.003
MAX	.81	.41	.28	1.49	.095	1.27	.46	.15	.64	.12	.13	.011
MIN	.051	.059	.023	.009	.014	.022	.084	.014	.004	.002	.003	.000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	.12	.22	.11	.099	.062	.22	.21	.20	.051	.009	.009	.020
MAX	.16	.31	.29	.16	.12	.32	.24	.49	.10	.036	.019	.062
(WY)	1992	1990	1991	1990	1990	1991	1989	1989	1989	1992	1992	1991
MIN	.074	.15	.032	.019	.035	.11	.16	.075	.009	.000	.002	.003
(WY)	1990	1992	1990	1989	1992	1989	1988	1992	1991	1991	1989	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR	FOR 1992 WATER YEAR	WATER YEARS 1988 - 1992
ANNUAL TOTAL	36.640	36.264	
ANNUAL MEAN	.10	.099	.12
HIGHEST ANNUAL MEAN			.12 1990
LOWEST ANNUAL MEAN			.099 1992
HIGHEST DAILY MEAN	1.16 Mar 7	1.49 Jan 5	4.95 Mar 27 1988
LOWEST DAILY MEAN	.000 Jun 26	.000 Sep 17	.000 Jun 20 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Jun 30	.000 Sep 15	.000 Jul 13 1988
INSTANTANEOUS PEAK FLOW		4.14 Mar 27	9.91 Mar 27 1988
INSTANTANEOUS PEAK STAGE		5.98 Mar 27	6.39 Mar 27 1988
INSTANTANEOUS LOW FLOW		.000 Sep 17	.000 Jun 20 1988
10 PERCENT EXCEEDS	.25	.22	.25
50 PERCENT EXCEEDS	.053	.056	.044
90 PERCENT EXCEEDS	.000	.004	.000

01022350 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 Book and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.
DRAINAGE AREA.--0.040 mi^2. Furnished by U.S. Environmental Protection Agency.
PERIOD OF RECORD.--March 1988 to current year.
REVISED RECORD.--WDR ME-89-1: Drainage area.
GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 912.72 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--No estimated daily discharges: Nov. 2 and May 9. Records excellent except for flows between 0.10 ft^3/s and 0.010 ft^3/s, which are good, and for flows below 0.010 ft^3/s, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8.71 ft^3/s, Mar. 27, 1988, gage height, 6.47 ft, (backwater from log on control); no flow, Aug. 1 and 2, 1991; minimum gage height, 5.02 ft, Aug. 1 and 2, 1991.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2.2 ft^3/s and maximum (*)

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 5	1340	2.66	5.77	Mar. 27	1415	*4.15	*5.98
Mar. 11	2320	2.26	5.77	Mar. 28	1705	2.49	5.80

Minimum discharge 0.001 ft^3/s, Sept. 21, gage height, 5.03 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.054	.38	.073	.028	.052	.038	.17	.12	.038	.053	.11	.008
2	.085	.37	.064	.027	.045	.035	.16	.11	.045	.047	.052	.008
3	.067	.19	.060	.027	.039	.032	.13	.16	.029	.038	.027	.008
4	.056	.13	.098	.029	.035	.032	.10	.17	.024	.039	.022	.018
5	.047	.10	.074	1.24	.033	.035	.10	.13	.023	.045	.020	.013
6	.049	.089	.060	.67	.032	.038	.12	.11	.16	.14	.016	.011
7	.74	.085	.060	.26	.032	.066	.16	.10	.19	.091	.011	.008
8	.23	.071	.052	.15	.032	.45	.24	.10	.097	.060	.012	.008
9	.12	.063	.087	.11	.032	.21	.23	.12	.060	.078	.011	.008
10	.093	.060	.092	.096	.028	.11	.21	.13	.041	.086	.011	.008
11	.10	.14	.074	.079	.027	.40	.19	.12	.035	.060	.017	.011
12	.19	.22	.065	.059	.027	.72	.13	.11	.029	.039	.023	.010
13	.15	.12	.14	.057	.027	.17	.10	.10	.027	.082	.011	.009
14	.10	.092	.21	.16	.027	.11	.096	.10	.026	.075	.010	.007
15	.084	.089	.22	.24	.027	.091	.098	.10	.027	.062	.008	.008
16	.42	.12	.12	.12	.13	.078	.10	.10	.022	.047	.010	.008
17	.43	.094	.082	.066	.074	.065	.10	.10	.016	.032	.011	.005
18	.23	.086	.069	.050	.045	.060	.097	.089	.015	.072	.12	.004
19	.17	.074	.060	.032	.052	.060	.13	.076	.014	.060	.092	.005
20	.11	.064	.058	.030	.070	.056	.17	.069	.017	.040	.043	.003
21	.093	.060	.060	.028	.061	.049	.28	.065	.018	.032	.024	.002
22	.089	.061	.054	.027	.054	.045	.33	.060	.31	.029	.020	.011
23	.083	.29	.052	.11	.052	.041	.45	.057	.41	.027	.016	.017
24	.065	.29	.048	.74	.052	.038	.31	.052	.15	.023	.013	.009
25	.053	.26	.045	.14	.048	.038	.21	.060	.60	.018	.011	.006
26	.052	.16	.036	.084	.045	.044	.16	.052	.35	.016	.009	.006
27	.052	.11	.032	.057	.041	1.16	.14	.045	.17	.017	.008	.006
28	.14	.091	.032	.052	.038	1.25	.16	.042	.11	.016	.010	.006
29	.11	.084	.032	.052	.038	.47	.14	.040	.074	.014	.012	.006
30	.083	.075	.032	.052	---	.23	.13	.041	.056	.013	.010	.006
31	.095	---	.029	.052	---	.16	---	.038	---	.012	.008	---
TOTAL	4.440	4.118	2.270	4.924	1.295	6.381	5.141	2.766	3.183	1.463	0.778	0.243
MEAN	.14	.14	.073	.16	.045	.21	.17	.089	.11	.047	.025	.008
MAX	.74	.38	.22	1.24	.13	1.25	.45	.17	.60	.14	.12	.018
MIN	.047	.060	.029	.027	.027	.032	.096	.038	.014	.012	.008	.002

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	.12	.19	.11	.089	.059	.20	.22	.21	.061	.017	.016	.028
MAX	.15	.25	.30	.16	.088	.32	.26	.51	.11	.047	.025	.073
(WY)	1991	1989	1991	1992	1990	1991	1991	1989	1989	1992	1992	1991
MIN	.081	.14	.034	.020	.040	.096	.17	.089	.017	.005	.009	.008
(WY)	1990	1992	1990	1989	1991	1989	1988	1992	1988	1991	1989	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR	FOR 1992 WATER YEAR	WATER YEARS 1988 - 1992
ANNUAL TOTAL	38.688	37.002	
ANNUAL MEAN	.11	.10	.11
HIGHEST ANNUAL MEAN			.13 1991
LOWEST ANNUAL MEAN			.10 1992
HIGHEST DAILY MEAN	1.12 Mar 7	1.25 Mar 28	4.25 Mar 27 1988
LOWEST DAILY MEAN	.001 Jul 21	.002 Sep 21	.001 Jul 21 1991
ANNUAL SEVEN-DAY MINIMUM	.001 Jul 29	.005 Sep 15	.001 Jul 29 1991
INSTANTANEOUS PEAK FLOW		4.14 Mar 27	8.71 Mar 27 1988
INSTANTANEOUS PEAK STAGE		5.98 Mar 27	6.47 Mar 27 1988
INSTANTANEOUS LOW FLOW		.001 Sep 21	.000 Aug 1 1991
10 PERCENT EXCEEDS	.25	.21	.24
50 PERCENT EXCEEDS	.056	.06	.049
90 PERCENT EXCEEDS	.004	.011	.006

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44°36'29", long 67°56'10", Washington County, Hydrologic Unit 01050002, on left bank 800 ft upstream from railroad bridge at Cherryfield and 0.7 mi downstream from West Branch of Narraguagus River.
DRAINAGE AREA.--227 mi^2.
PERIOD OF RECORD.--Discharge: February 1948 to current year.
Chemical analyses: Water years 1954, 1978 to 1986.
Specific conductance: January 1978 to September 1981.
Water 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. 16 to Jan. 4, Jan. 11-13, 17-22, 26-28, Feb. 1-15, Feb. 22 to Mar. 7 and Mar. 14-24. Records good except for periods of ice effect, Dec. 16 to Jan. 4, Jan. 11-13, 17-22, 26-28, Feb. 1-15, Feb. 22 to Mar. 7 and Mar. 14-24, 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, 10,400 ft^3/s, May 28, 1961, gage height, 17.40 ft; minimum, 3.0 ft^3/s, Sept. 2, 4, 5, 1978, gage height, 6.41 ft, caused by unusual regulation.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 6	1000	*2,810	*12.44	Mar. 29	1200	2,350	12.00

Minimum discharge, 51 ft^3/s, Sept.22, gage height, 7.28 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	529	409	375	e196	e278	e228	864	524	177	387	204	78
2	459	609	363	e193	e267	e223	795	513	174	331	387	73
3	417	635	341	e191	e251	e221	982	561	172	282	343	70
4	369	579	403	e189	e238	e218	1220	583	172	249	281	84
5	319	495	435	1160	e228	e216	1110	554	160	241	235	95
6	278	426	383	2720	e223	e218	931	509	172	326	195	92
7	656	383	301	2250	e221	e226	852	469	441	491	162	87
8	889	352	309	1750	e218	554	837	437	489	433	137	84
9	758	323	375	1220	e216	821	832	462	390	364	121	83
10	590	298	506	933	e214	695	750	540	303	402	111	86
11	541	308	444	e694	e212	745	688	525	249	383	105	88
12	838	457	418	e522	e202	1250	626	485	208	335	101	84
13	707	533	421	e474	e198	1030	556	453	180	327	94	78
14	555	523	561	533	e196	e752	515	441	162	376	90	73
15	457	466	758	1140	e191	e538	514	421	156	372	86	69
16	526	452	e573	847	439	e418	528	393	154	333	84	67
17	1180	428	e388	e566	667	e350	522	365	137	278	86	66
18	1110	386	e332	e445	549	e306	491	343	119	276	133	64
19	1000	356	e306	e353	554	e278	499	324	108	372	286	60
20	767	335	e291	e291	665	e259	538	305	101	329	292	57
21	598	321	e275	e248	632	e246	572	298	99	278	260	54
22	505	302	e267	e221	e485	e238	679	285	281	241	215	62
23	448	550	e259	226	e407	e226	791	271	1040	206	175	98
24	404	872	e246	983	e353	e220	908	259	885	183	145	90
25	371	869	e241	1130	e311	218	901	282	1250	164	125	75
26	350	726	e231	e803	e280	230	827	288	1400	149	109	69
27	330	586	e221	e562	e261	582	734	260	1120	136	99	74
28	353	494	e214	e401	e246	1850	688	239	861	130	94	80
29	375	439	e204	333	e238	2270	623	222	603	123	90	77
30	353	393	e200	301	---	1800	562	204	461	114	87	71
31	351	---	e196	289	---	1200	---	188	---	108	82	---
TOTAL	17383	14305	10837	22164	9440	18626	21935	12003	12224	8719	5014	2288
MEAN	561	477	350	715	326	601	731	387	407	281	162	76.3
MAX	1180	872	758	2720	667	2270	1220	583	1400	491	387	98
MIN	278	298	196	189	191	216	491	188	99	108	82	54
CFSM	2.47	2.10	1.54	3.15	1.43	2.65	3.22	1.71	1.80	1.24	.71	.34
IN.	2.85	2.34	1.78	3.63	1.55	3.05	3.59	1.97	2.00	1.43	.82	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1992, BY WATER YEAR (WY)

MEAN	281	593	652	497	473	705	1218	693	344	187	142	172
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1948 - 1992	
ANNUAL TOTAL	165967		154938			
ANNUAL MEAN	455		423		496	
HIGHEST ANNUAL MEAN					761	1973
LOWEST ANNUAL MEAN					272	1985
HIGHEST DAILY MEAN	2640	Mar 20	2720	Jan 6	9490	May 28 1961
LOWEST DAILY MEAN	42	Aug 4	54	Sep 21	7.1	Sep 5 1978
ANNUAL SEVEN-DAY MINIMUM	47	Sep 10	61	Sep 16	22	Sep 18 1965
INSTANTANEOUS PEAK FLOW			2810	Jan 6	10400	May 28 1961
INSTANTANEOUS PEAK STAGE			12.44	Jan 6	17.40	May 28 1961
INSTANTANEOUS LOW FLOW			51	Sep 22	3.0	Sep 2 1978
ANNUAL RUNOFF (CFSM)	2.00		1.86		2.19	
ANNUAL RUNOFF (INCHES)	27.20		25.39		29.70	
10 PERCENT EXCEEDS	1000		841		1140	
50 PERCENT EXCEEDS	329		334		303	
90 PERCENT EXCEEDS	64		94		77	

e Estimates

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 mi^2.
PERIOD OF RECORD.--Discharge: October 1934 to current year.
Chemical analyses: Water year 1954.
REVISED RECORDS.--WSP 1501: Drainage area.
GAGE--Water-stage recorder. Elevation of gage is 228 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 11, 1991, at datum 2 ft higher.
REMARKS.--Estimated daily discharges: Dec. 4 to Mar. 7, Mar. 13-25, 28, 29 and Apr. 4. Records good except for periods of ice effect, Dec. 4 to Mar. 7, Mar. 13-25, 28, 29 and Apr. 4 and period of no gage-height record, Dec. 17-22, Mar. 13-25, 28, 29 and Apr. 4, and period of no gage-height record, Dec. 17-22, wich 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 ft^3/s, Mar. 23, 1936, gage height, 17.34 ft present datum; minimum, 38 ft^3/s, Sept. 19, 1952.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft^3/s, Apr. 4, gage height,10.01 ft; Maximum gage height, Apr. 4, 10.34 ft, (back water from ice); minimum discharge,147 ft^3/s, Sept. 17, gage height, 2.12 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4920	2760	2910	e960	e1600	e735	9260	5600	607	2090	871	241
2	4340	3030	2700	e940	e1530	e680	9640	5420	550	1710	2900	232
3	3820	3480	2290	e920	e1470	e640	9660	5290	499	1390	4120	221
4	3380	3600	e1680	e890	e1420	e605	e10000	5330	465	1160	4210	224
5	3010	3450	e1570	e900	e1370	e570	9960	5430	420	1010	4030	221
6	2690	3150	e1520	e1700	e1300	e555	9760	5260	395	936	3810	214
7	3200	2870	e1490	e3200	e1240	e550	9640	4880	394	913	3340	210
8	4590	2640	e1480	e3800	e1220	627	9740	4430	454	912	2690	205
9	5370	2400	e1470	e4300	e1180	847	9810	4080	603	936	2130	197
10	5440	2190	e1460	e3950	e1160	1030	9990	3970	656	1090	1690	193
11	5100	2080	e1450	e3700	e1150	1150	9940	3910	602	1260	1370	188
12	4790	2380	e1460	e3400	e1130	1480	9380	3740	518	1270	1150	184
13	4780	2820	e1480	e2980	e1060	e1830	8250	3490	473	1720	970	179
14	4890	2920	e1550	e2760	e980	e2090	7130	3280	437	3930	813	174
15	4770	2820	e1610	e2700	e825	e2170	6120	3090	416	5120	715	168
16	4520	2860	e1680	e2800	e750	e2230	5370	2980	382	5260	632	161
17	4580	3070	e1610	e2650	e735	e2120	4970	2790	354	4710	566	153
18	4970	3190	e1540	e2400	e735	e1970	4710	2570	320	3900	528	163
19	5250	3110	e1460	e2180	e745	e1790	4680	2320	295	3350	505	168
20	5330	2930	e1420	e1950	e765	e1600	5210	2110	272	2900	502	177
21	5120	2810	e1340	e1750	e845	e1460	6090	1900	259	2440	533	167
22	4770	2800	e1280	e1600	e885	e1340	7390	1710	306	2040	526	162
23	4400	2940	e1240	e1500	e840	e1240	8890	1530	1600	1650	476	184
24	3980	3280	e1180	e1670	e825	e1120	9710	1370	3640	1350	422	244
25	3600	3720	e1160	e2040	e795	e1040	9840	1230	4200	1130	381	291
26	3300	4140	e1120	e2500	e760	954	9360	1100	4180	971	343	304
27	2990	4230	e1090	e2660	e765	1050	8340	985	4000	833	313	290
28	2850	3990	e1070	e2700	e745	e2060	7280	886	3610	764	295	268
29	2890	3600	e1040	e2250	e740	e4730	6430	804	3050	692	280	250
30	2900	3210	e1020	e1930	---	6580	5880	731	2530	622	260	228
31	2810	---	e990	e1700	---	7950	---	673	---	551	250	---
TOTAL	129350	92470	46360	71380	29565	54793	242430	92889	36487	58610	41621	6261
MEAN	4173	3082	1495	2303	1019	1768	8081	2996	1216	1891	1343	209
MAX	5440	4230	2910	4300	1600	7950	10000	5600	4200	5260	4210	304
MIN	2690	2080	990	890	735	550	4680	673	259	551	250	153
CFSM	2.94	2.17	1.05	1.62	.72	1.25	5.70	2.11	.86	1.33	.95	.15
IN.	3.39	2.43	1.22	1.87	.78	1.44	6.36	2.44	.96	1.54	1.09	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1992, BY WATER YEAR (WY)

MEAN	1455	2778	2599	1395	1248	2056	8285	5603	2049	989	774	850
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1935 - 1992	
ANNUAL TOTAL	950967		902216			
ANNUAL MEAN	2605		2465		2505	
HIGHEST ANNUAL MEAN					4015	1984
LOWEST ANNUAL MEAN					1307	1985
HIGHEST DAILY MEAN	14900	Apr 11	10000	Apr 4	29200	Mar 23 1936
LOWEST DAILY MEAN	43	Aug 4	153	Sep 17	39	Sep 8 1987
ANNUAL SEVEN-DAY MINIMUM	47	Jul 29	164	Sep 16	42	Aug 28 1978
INSTANTANEOUS PEAK FLOW			10500	Apr 4	29200	Mar 23 1936
INSTANTANEOUS PEAK STAGE			10.34	Apr 4	17.34	Mar 23 1936
INSTANTANEOUS LOW FLOW			147	Sep 17	38	Sep 19 1952
ANNUAL RUNOFF (CFSM)	1.84		1.74		1.77	
ANNUAL RUNOFF (INCHES)	24.95		23.67		24.01	
10 PERCENT EXCEEDS	6180		5270		6480	
50 PERCENT EXCEEDS	1600		1610		1230	
90 PERCENT EXCEEDS	202		301		274	

e Estimated

01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'31", long 69°18'55", Piscataquis County, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.
DRAINAGE AREA.--298 mi^2.
PERIOD OF RECORD.--Discharge: August 1902 to current year.
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: Dec. 3 to Mar. 29. Records good except for period of ice effect, Dec. 3 to Mar. 29, which is 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 ft^3/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft^3/s on basis of slope-area measurement; minimum, 5.0 ft^3/s, Aug. 6, 1905, Nov. 22, 1908.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft /s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 12	--	a4,560	--	Mar. 29	0945	*7,470	9.40
Mar. 28	2345	ice jam	*12.72				

a Estimated daily discharge
Minimum discharge, 36 ft^3/s, Sept. 22, gage height, 1.71 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	596	565	e157	e246	e250	1870	953	114	140	364	65
2	235	1730	529	e150	e244	e236	1690	881	141	112	627	60
3	220	1240	e381	e144	e239	e227	1450	894	146	95	430	55
4	203	874	e370	e135	e234	e216	1190	919	124	86	358	69
5	184	681	e325	e523	e227	e207	1100	787	110	111	662	147
6	187	555	e310	e2780	e222	e204	1220	673	140	223	611	126
7	1700	487	e295	e1490	e214	e203	1270	585	457	427	386	104
8	1320	437	e285	e710	e211	e206	1540	519	489	311	270	88
9	835	389	e272	e408	e207	e284	1770	487	386	282	210	78
10	606	347	e262	e350	e203	e294	1810	580	261	391	189	70
11	489	546	e254	e340	e200	e718	1690	733	200	298	164	68
12	521	1440	e248	e326	e198	e4560	1240	598	162	223	126	91
13	704	938	e254	e317	e195	e3900	986	503	135	229	112	81
14	568	722	e277	e310	e190	e2410	824	511	128	284	102	68
15	458	649	e300	e470	e185	e1580	774	604	138	253	95	60
16	1010	920	e288	e490	e180	e1120	794	498	120	217	95	56
17	1790	915	e275	e360	e176	e830	864	420	100	171	92	51
18	1460	718	e265	e303	e193	e715	773	365	88	187	98	47
19	1300	593	e254	e280	e220	e610	1070	324	77	247	135	44
20	951	570	e244	e275	e275	e450	1650	289	71	294	140	41
21	747	657	e235	e270	e410	e410	2240	263	81	230	119	39
22	625	642	e225	e264	e360	e370	3400	242	166	183	102	38
23	535	944	e215	e258	e320	e340	3280	219	299	144	88	113
24	472	1560	e211	e552	e288	e310	2720	210	268	112	78	238
25	427	2010	e205	e1010	e276	e280	2440	217	249	95	70	177
26	396	1370	e195	e533	e277	e265	1850	195	278	84	64	128
27	371	964	e187	e430	e280	e453	1440	174	226	75	60	113
28	384	776	e180	e375	e270	e3500	1210	164	200	75	57	137
29	363	678	e174	e300	e263	e6560	1080	149	192	69	56	124
30	319	595	e168	e265	---	4420	1010	132	169	63	61	99
31	309	---	e166	e254	---	2650	---	119	---	58	66	---
TOTAL	19951	25543	8414	14829	7003	38778	46245	14207	5715	5769	6087	2675
MEAN	644	851	271	478	241	1251	1541	458	190	186	196	89.2
MAX	1790	2010	565	2780	410	6560	3400	953	489	427	662	238
MIN	184	347	166	135	176	203	773	119	71	58	56	38
CFSM	2.16	2.86	.91	1.61	.81	4.20	5.17	1.54	.64	.62	.66	.30
IN.	2.49	3.19	1.05	1.85	.87	4.84	5.77	1.77	.71	.72	.76	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1992, BY WATER YEAR (WY)

MEAN	403	681	542	300	269	596	2071	1303	471	236	181	185
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1903 - 1992	
ANNUAL TOTAL	211842		195216			
ANNUAL MEAN	580		533		603	
HIGHEST ANNUAL MEAN					990	1954
LOWEST ANNUAL MEAN					238	1911
HIGHEST DAILY MEAN	6580	Apr 10	6560	Mar 29	31700	Apr 1 1987
LOWEST DAILY MEAN	24	Aug 1	38	Sep 22	5.0	Aug 6 1905
ANNUAL SEVEN-DAY MINIMUM	27	Jul 29	45	Sep 16	11	Sep 2 1987
INSTANTANEOUS PEAK FLOW			7470	Mar 29	37300	Apr 1 1987
INSTANTANEOUS PEAK STAGE			12.72	Mar 28	22.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			36	Sep 22	5.0	Aug 6 1905
ANNUAL RUNOFF (CFSM)	1.95		1.79		2.02	
ANNUAL RUNOFF (INCHES)	26.44		24.37		27.49	
10 PERCENT EXCEEDS	1450		1250		1550	
50 PERCENT EXCEEDS	302		277		255	
90 PERCENT EXCEEDS	67		88		56	

e Estimated

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 mi^2.
PERIOD OF RECORD.--Discharge: October 1924 to September 1982, October 1984 to current year. 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: June 6-30. Records good except for period of no gage-height record, June 6-30, which is fair. Considerable regulation by Sebec Lake on Sebec River, 1,000 feet upstream, usable capacity 2,511,000,000 ft^3. 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, 13,500 ft^3/s, Apr. 2, 1987, gage height, 12.89 ft; maximum gage height, 14.46 ft, Mar. 20, 1936; minimum daily, 2.0 ft^3/s, Oct. 14-17, 1930, when gates in dam were closed.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,250 ft^3/s, Mar. 31, gage height, 5.50 ft, minimum daily, 44 ft^3/s, Oct. 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	981	226	902	358	400	692	2200	1420	461	246	487	72
2	918	322	906	338	398	692	2130	1340	400	286	397	72
3	618	353	941	274	396	712	2010	1290	395	265	319	71
4	365	357	971	280	393	718	1860	1290	363	222	296	71
5	364	362	916	408	395	715	1690	1250	207	191	531	72
6	372	365	791	628	394	711	1620	1200	e132	202	814	73
7	626	369	744	748	406	709	1570	1160	e169	260	419	73
8	968	371	631	873	407	709	1540	858	e152	299	327	73
9	979	370	583	913	405	708	1600	210	e358	408	319	189
10	999	369	591	909	400	705	1660	214	e477	530	300	234
11	647	970	556	903	400	749	1680	220	e189	574	333	232
12	367	1520	365	896	400	903	1660	225	e219	380	381	243
13	366	1560	252	889	400	998	1570	256	e280	420	302	244
14	365	755	146	912	397	1070	1470	417	e280	569	235	243
15	742	476	123	712	387	1290	1380	352	e210	562	234	488
16	1090	482	130	597	366	1420	1320	350	e111	350	130	591
17	1140	488	241	597	385	1330	1270	350	e70	271	89	581
18	1170	493	292	592	381	1240	1220	363	e70	336	90	568
19	1190	1220	311	593	384	1010	1200	385	e70	408	203	571
20	1180	1550	333	589	381	998	1220	385	e70	419	279	540
21	580	874	344	518	397	915	1260	408	e70	313	262	520
22	236	596	349	385	396	878	1430	435	e70	270	127	607
23	67	610	349	245	395	946	1650	594	e581	264	73	604
24	44	878	350	261	396	956	1850	756	e653	248	79	646
25	48	1590	350	424	395	725	1950	756	e280	118	99	656
26	52	777	350	435	395	647	1920	756	e280	70	107	661
27	60	373	363	438	478	751	1810	756	e280	71	110	793
28	68	379	370	575	666	771	1690	756	e280	71	118	848
29	63	634	367	647	690	1290	1590	754	e583	71	117	871
30	59	887	360	631	---	1880	1490	737	e384	71	117	855
31	64	---	359	490	---	2190	---	637	---	71	97	---
TOTAL	16788	20576	14636	18058	12083	30028	48510	20880	8144	8836	7791	12362
MEAN	542	686	472	583	417	969	1617	674	271	285	251	412
MAX	1190	1590	971	913	690	2190	2200	1420	653	574	814	871
MIN	44	226	123	245	366	647	1200	210	70	70	73	71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 1992, BY WATER YEAR (WY)

MEAN	395	606	609	435	478	609	1703	1235	518	320	277	363
MAX	1631	2119	2817	1385	1370	3804	3025	2771	1482	1293	1000	1304
(WY)	1978	1967	1974	1978	1970	1936	1987	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1925 - 1992	
ANNUAL TOTAL	225804		218692			
ANNUAL MEAN	619		598		631	
HIGHEST ANNUAL MEAN					1030	1973
LOWEST ANNUAL MEAN					348	1957
HIGHEST DAILY MEAN	4990	Apr 11	2200	Apr 1	13100	Apr 2 1987
LOWEST DAILY MEAN	44	Oct 24	44	Oct 24	2.0	Oct 14 1930
ANNUAL SEVEN-DAY MINIMUM	56	Oct 24	56	Oct 24	14	Oct 14 1930
INSTANTANEOUS PEAK FLOW			2250	Mar 31	13500	Apr 2 1987
INSTANTANEOUS PEAK STAGE			5.50	Mar 31	14.46	Mar 20 1936
10 PERCENT EXCEEDS	1190		1290		1470	
50 PERCENT EXCEEDS	389		408		368	
90 PERCENT EXCEEDS	62		109		120	

e Estimated

01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45°15'40", long 68°52'07", Piscataquis County, Hydrologic Unit 01020004, on left bank 2.0 mi southwest of Medford and 3.3 mi downstream from Pleasant River.
DRAINAGE AREA.--1,162 mi^2.
PERIOD OF RECORD.--Discharge: June 1924 to September 1982, October 1989 to current year.
Chemical analysis: Water years 1952-53.
REVISED RECORDS.--WSP 1231: 1936. WSP 1301: 1925-29(M). WDR ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 248.68 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 14, 1929, nonrecording gage at site 1.8 mi downstream at different datum.
REMARKS.--Estimated daily discharges: Dec. 3 to Jan. 6, Jan. 8 to Mar. 11, Mar. 14-17, May 22 to June 6, and June 16 to July 1. Records good except for periods of ice effect, Dec. 3 to Jan. 6, Jan. 8 to Mar. 11, Mar. 14-17, period of doubtful gage-height record, May 22 to June 6 and period of missing gage-height record, June 16 to July 1, which are fair. Flow regulated by Sebec Lake 15 mi upstream (Reservoirs in Penobscot River basin) and other small reservoirs and power plants above station. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1923 reached a stage of 20.8 ft, former site and datum, discharge not determined. Maximum discharge since at least 1923, 85,000 ft^3/s, Apr. 1, 1987, gage height 18.65 ft, present datum, from rating curve extended above 32,000 ft^3/s.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft^3/s, Nov. 4, 1966, gage height, 15.58 ft; minimum, 99 ft^3/s, Oct. 28, 1947, gage height, 1.28 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 30	0245	*19,000	*8.74	No other peak greater than base discharge.			

Minimum daily discharge, 269 ft^3/s, June 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1930	1460	2580	e800	e1080	e1390	9120	4340	e781	e640	1070	364
2	1800	3880	2430	e760	e1080	e1380	7810	4140	e797	796	2980	335
3	1560	4040	e2150	e690	e1060	e1350	7120	4040	e805	742	2210	304
4	1240	3100	e2020	e650	e1030	e1330	6100	4320	e711	671	1700	285
5	960	2460	e1890	e1990	e1010	e1300	5460	3990	e519	609	1680	307
6	935	2110	e1750	e5130	e1000	e1290	5480	3540	e529	792	2520	378
7	3420	1950	e1580	5730	e995	e1300	5770	3180	e1450	1110	1860	410
8	5200	1750	e1430	e3450	e990	e1320	6170	2910	1570	1360	1340	362
9	3770	1610	e1320	e2400	e985	e1490	6830	2040	1700	1240	1080	318
10	3020	1500	e1270	e2060	e965	e1600	7030	1990	1490	1680	961	450
11	2520	1770	e1200	e1920	e955	e2150	6800	2180	1150	1740	903	512
12	2080	4540	e1110	e1870	e935	6200	5650	1940	833	1400	859	419
13	2080	4610	e970	e1820	e925	8370	4660	1880	718	1220	825	492
14	2080	3630	e930	e1830	e915	e6940	4110	1840	716	2230	634	476
15	1930	2520	e950	e2000	e880	e5840	3770	2010	668	2120	616	497
16	2490	2620	e945	e1850	e850	e5130	3660	1920	e448	1740	541	801
17	5520	2950	e1000	e1620	e890	e4320	3740	1750	e350	1280	460	913
18	5040	2610	e1040	e1420	e960	3580	3560	1620	e317	1140	457	769
19	4850	2390	e1030	e1370	e1040	2980	3950	1500	e286	1280	496	740
20	4130	3090	e1020	e1330	e1200	2630	5110	1420	e269	1280	725	701
21	3340	3060	e1010	e1250	e1500	2400	6170	1280	e297	1280	719	612
22	2260	2470	e980	e1080	e1390	2270	9470	e1110	e536	917	606	734
23	1840	2600	e970	e970	e1290	2100	11200	e1210	e1420	836	470	864
24	1600	3890	e945	e1750	e1220	2150	10500	e1350	e1400	747	408	1220
25	1480	6080	e915	e2520	e1180	1890	8900	e1360	e980	650	355	1310
26	1390	5520	e895	e1950	e1190	1670	7400	e1300	e1060	486	347	1140
27	1280	3490	e885	e1660	e1280	2410	6080	e1240	e915	407	396	1070
28	1300	2760	e865	e1650	e1350	7040	5300	e1220	e840	398	319	1350
29	1330	2420	e850	e1460	e1410	15400	4820	e1170	e1120	384	323	1250
30	1320	2700	e840	e1340	---	17800	4530	e1110	e860	374	377	1210
31	1120	---	e820	e1200	---	12700	---	e971	---	348	394	---
TOTAL	74815	89580	38590	57520	31555	129720	186270	65871	25535	31897	28631	20593
MEAN	2413	2986	1245	1855	1088	4185	6209	2125	851	1029	924	686
MAX	5520	6080	2580	5730	1500	17800	11200	4340	1700	2230	2980	1350
MIN	935	1460	820	650	850	1290	3560	971	269	348	319	285
CFSM	2.08	2.57	1.07	1.60	.94	3.60	5.34	1.83	.73	.89	.79	.59
IN.	2.40	2.87	1.24	1.84	1.01	4.15	5.96	2.11	.82	1.02	.92	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1992, BY WATER YEAR (WY)

MEAN	1620	2691	2271	1364	1359	2272	7126	4891	1898	1043	820	957
MAX	6289	7672	11590	4728	5659	14520	11630	10920	4678	4506	3686	5426
(WY)	1978	1964	1974	1978	1970	1936	1976	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1924 - 1992	
ANNUAL TOTAL	841525		780577			
ANNUAL MEAN	2306		2133		2359	
HIGHEST ANNUAL MEAN					3715	1954
LOWEST ANNUAL MEAN					1254	1957
HIGHEST DAILY MEAN	24600	Apr 10	17800	Mar 30	52900	Nov 4 1966
LOWEST DAILY MEAN	137	Aug 1	269	Jun 20	106	Oct 28 1947
ANNUAL SEVEN-DAY MINIMUM	146	Jul 29	338	Sep 3	127	Sep 28 1978
INSTANTANEOUS PEAK FLOW			19000	Mar 30	60100	Nov 4 1966
INSTANTANEOUS PEAK STAGE			8.74	Mar 30	15.58	Nov 4 1966
INSTANTANEOUS LOW FLOW					99	Oct 28 1947
ANNUAL RUNOFF (CFSM)	1.98		1.84		2.03	
ANNUAL RUNOFF (INCHES)	26.94		24.99		27.59	
10 PERCENT EXCEEDS	5090		5060		5620	
50 PERCENT EXCEEDS	1320		1350		1210	
90 PERCENT EXCEEDS	306		495		447	

e Estimated

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 mi^2, including 249 mi^2 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. 5 to Apr. 6. Records good except for period of ice effect, Dec. 5 to Apr. 6, which is 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 ft^3/s, May 1, 1923, gage height, 25.15 ft; minimum daily discharge, 1,630 ft^3/s, Oct. 29, 1905, gage height, 1.0 ft.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 43,400 ft^3/s, Mar. 30; maximum gage-height 14.46 ft, Mar. 30 (backwater from ice); minimum daily discharge, 4,280 ft^3/s, June 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14800	11200	12300	e5750	e7700	e6600	e31000	21500	5580	8120	7400	5760
2	13700	16400	11500	e5800	e7600	e7000	e30000	20800	5030	7400	16800	5270
3	12800	18000	10800	e5850	e7600	e6800	e29000	20600	5190	6980	15500	5460
4	12300	16600	9100	e5800	e7200	e6800	e27000	21200	4950	6850	12300	6010
5	11500	14600	e8300	e6800	e7220	e7000	e27000	21100	4790	7170	11500	5760
6	10300	13800	e7400	e17000	e7250	e6500	e26900	20300	5510	7850	12200	5450
7	14900	12400	e7600	e18000	e7100	e6800	29800	18700	6690	7880	11000	5710
8	22500	11600	e7100	e16400	e7200	e6750	30800	17700	8140	8470	9130	5620
9	20200	10900	e7400	e14500	e7200	e7200	31800	16100	7780	8460	8010	5610
10	17900	9980	e7600	e12800	e6930	e7900	32600	15800	7450	8430	6900	5560
11	15700	9920	e7650	e11600	e6400	e9850	32200	16200	6700	8840	6790	5740
12	15000	14100	e7300	e11300	e6600	e13700	29500	15300	5900	8430	6090	5550
13	16100	15300	e7200	e10800	e6800	e21000	25400	14300	6440	8290	5900	5860
14	16300	14300	e8030	e11000	e6250	e19000	23100	14000	6560	13900	5110	6110
15	15400	12700	e8000	e11500	e6400	e17000	21100	14200	5800	16900	4400	6240
16	15200	12600	e8000	e11000	e6350	e15000	18500	13500	5330	15900	4600	6170
17	19300	13600	e7700	e10500	e6200	e14000	18700	12600	4990	14400	5220	6240
18	21400	12700	e7200	e9900	e6050	e12700	18100	11700	4850	12700	5930	6570
19	22900	12300	e6900	e9500	e6300	e11700	18800	11300	4660	12500	5980	6400
20	21900	12500	e6800	e8800	e6600	e10800	21400	10600	4280	11800	6200	6330
21	20500	12200	e6700	e8000	e7200	e10000	24400	9570	4320	10700	6690	6420
22	17600	12000	e6600	e7000	e7000	e9700	31100	9060	4450	9770	6220	6410
23	15900	12100	e6580	e6830	e6750	e9500	38700	8860	6990	9100	6100	6990
24	14800	14400	e6600	e8300	e6500	e9200	40800	8730	11500	7800	5820	7060
25	13900	17900	e6670	e11500	e6300	e8400	38300	8490	12100	7290	5740	6610
26	12700	19700	e6450	e9900	e6450	e8300	34600	8150	12000	6840	5370	6760
27	11900	16700	e6100	e9900	e6650	e9900	30300	7830	11000	6680	5520	6790
28	11600	14600	e5800	e9750	e6750	e22000	26400	7610	10200	6400	5580	6940
29	11200	13600	e5680	e9300	e6800	e41100	24200	7310	9780	6230	5470	7060
30	11400	12900	e5500	e8200	---	e43400	22700	6780	8920	6610	5500	6300
31	10800	---	e5800	e8000	---	e37000	---	7030	---	7660	5640	---
TOTAL	482400	411600	232360	311280	197350	422600	834200	416920	207880	286350	230610	184760
MEAN	15560	13720	7495	10040	6805	13630	27810	13450	6929	9237	7439	6159
MAX	22900	19700	12300	18000	7700	43400	40800	21500	12100	16900	16800	7060
MIN	10300	9920	5500	5750	6050	6500	18100	6780	4280	6230	4400	5270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1992, BY WATER YEAR (WY)

MEAN	8540	11860	10500	7937	7386	10810	29110	24060	11920	7706	6608	6632
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1903 - 1992	
ANNUAL TOTAL	4735260		4218310			
ANNUAL MEAN	12970		11530		11920	
HIGHEST ANNUAL MEAN					17760	1973
LOWEST ANNUAL MEAN					6382	1911
HIGHEST DAILY MEAN	68300	Apr 10	43400	Mar 30	152000	May 1 1923
LOWEST DAILY MEAN	3420	Jul 30	4280	Jun 20	1630	Oct 29 1905
ANNUAL SEVEN-DAY MINIMUM	3530	Jul 25	4700	Jun 16	1700	Feb 11 1904
INSTANTANEOUS PEAK FLOW					153000	May 1 1923
INSTANTANEOUS PEAK STAGE			14.46	Mar 30	25.15	May 1 1923
10 PERCENT EXCEEDS	23800		21100		25500	
50 PERCENT EXCEEDS	9500		8610		7810	
90 PERCENT EXCEEDS	4730		5760		4600	

e Estimated

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 mi^2, 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. 6 to Jan. 5, Jan. 8 to Mar. 11, and Aug. 17 to Sept. 1. Records good except for periods of ice effect, Dec. 6 to Jan. 5 and Jan. 8 to Mar. 11, and period of doubtful gage-height record, Aug. 17 to Sept. 1, which are fair. Flow regulated by many reservoirs above station (Reservoirs in Penobscot River Basin). Telephone and satellite gage-height telemeters at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 159,000 ft^3/s, Apr. 3, 1987, gage height, 23.53 ft; minimum daily discharge, 2,780 ft^3/s, Sept. 5, 1987.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53,800 ft^3/s, Mar. 30, gage height, 12.14 ft; minimum daily discharge, 4,510 ft^3/s, June 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17700	12000	14200	e6300	e8900	e7700	44700	23800	7940	9460	8760	e6100
2	16400	14700	13300	e6300	e8500	e7500	41100	22800	5820	8880	10900	5400
3	15200	19200	12700	e6300	e8400	e7800	39700	22200	5380	8170	17400	5140
4	14100	19300	11000	e6300	e8400	e7600	38700	22400	5920	7800	14800	5830
5	13700	17400	9240	e7700	e8000	e7500	38100	22900	4960	7880	12600	6410
6	12400	15900	e8800	12800	e8000	e7700	38100	22200	5400	8270	12100	5870
7	13600	14900	e8400	21700	e8000	e7200	35700	20900	6540	8750	12500	5670
8	21700	13500	e8600	e20000	e7800	e7500	36000	19000	7940	8800	10900	6080
9	24300	12600	e8100	e18000	e7900	e7800	36800	18400	9190	9530	9760	5780
10	20900	11700	e8300	e15000	e7900	e8300	37300	17500	9180	9380	8470	5650
11	19000	11300	e8500	e14000	e7700	e11000	37400	17100	8350	9390	7370	5950
12	17400	12800	e8500	e13000	e7100	14100	35700	17400	7450	9630	7140	6020
13	17300	16900	e8200	e12000	e7300	18200	31200	16600	6650	9290	6750	5690
14	17900	16900	e8200	e12000	e7500	21200	27100	15600	7320	9890	6490	6190
15	17800	15600	e9100	e12500	e6900	19800	24700	15300	6960	16100	4920	6600
16	16700	14400	e9000	e13000	e7100	18300	22200	15100	6390	16800	4750	6230
17	18100	14800	e9000	e12000	e7000	17100	20100	14200	5480	15700	e4900	6530
18	22800	14600	e8600	e11500	e6900	14800	20300	13200	5400	14300	e5600	6450
19	23600	13700	e8100	e11000	e6800	13700	20000	12400	5190	13100	e6400	6650
20	24300	13800	e7800	e10500	e7300	12800	21600	11600	4830	12700	e6500	6580
21	22800	13700	e7600	e9800	e8100	11900	25000	10700	4510	12200	e6600	6560
22	20900	13500	e7500	e8900	e8500	11300	30200	10000	4960	11400	e7000	6670
23	18300	13900	e7400	e7900	e8100	10900	38900	9750	5590	10200	e6200	6850
24	16700	15600	e7400	e8800	e7800	10500	43600	9640	9610	9400	e6800	7250
25	15600	18600	e7400	e12000	e7500	10200	43700	9400	12700	8150	e6200	7350
26	14800	21800	e7400	e13300	e7300	9720	40800	9080	13200	8010	e6200	7070
27	13500	20300	e7100	e11500	e7500	11200	36600	8490	12500	7670	e5900	7270
28	13100	17300	e6700	e11200	e7600	17500	31600	8380	11800	7780	e6200	7410
29	12800	15900	e6400	e10500	e7700	32100	27900	8140	10900	6880	e5800	7540
30	12800	14900	e6300	e10200	---	45900	25500	7600	10600	6820	e5900	7120
31	12500	---	e6100	e9100	---	48700	---	7100	---	7350	e6000	---
TOTAL	538700	461500	264940	355100	223500	457520	990300	458880	228660	309680	247810	191910
MEAN	17380	15380	8546	11450	7707	14760	33010	14800	7622	9990	7994	6397
MAX	24300	21800	14200	21700	8900	48700	44700	23800	13200	16800	17400	7540
MIN	12400	11300	6100	6300	6800	7200	20000	7100	4510	6820	4750	5140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1992, BY WATER YEAR (WY)

MEAN	12410	15790	14320	9426	9732	13560	35760	22200	13570	7845	8277	8498
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	5703	5622	6955	17120	12020	4961	4333	4011	6057
(WY)	1985	1985	1985	1985	1980	1989	1985	1985	1988	1991	1987	1984

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1979 - 1992	
ANNUAL TOTAL	5421890		4728500			
ANNUAL MEAN	14850		12920		14110	
HIGHEST ANNUAL MEAN					20440	1984
LOWEST ANNUAL MEAN					8679	1985
HIGHEST DAILY MEAN	74300	Apr 11	48700	Mar 31	155000	Apr 3 1987
LOWEST DAILY MEAN	3380	Jul 26	4510	Jun 21	2780	Sep 5 1987
ANNUAL SEVEN-DAY MINIMUM	3550	Jul 26	5140	Jun 17	3330	Sep 3 1987
INSTANTANEOUS PEAK FLOW			53800	Mar 30	159000	Apr 3 1987
INSTANTANEOUS PEAK STAGE			12.14	Mar 30	23.53	Apr 3 1987
10 PERCENT EXCEEDS	29600		22500		28300	
50 PERCENT EXCEEDS	10800		9750		9660	
90 PERCENT EXCEEDS	5100		6200		5700	

e Estimated

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 microsiemens, Sept. 20, 1986; minimum, 25 microsiemens, 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 1991 TO SEPTEMBER 1992

DATE	TIME	STREAM-FLOW INSTANT-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 (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												
08...	1000	14,300	46	7.2	4.0	6.0	1.5	765	13.0	104	230	1000
FEB												
04...	1030	E 8,400	55	6.8	-0.5	0.0	1.0	753	14.3	99	120	K 8
APR												
09...	1045	36,500	37	6.8	10.5	2.0	1.6	766	15.0	108	--	--
AUG												
11...	1115	7,730	51	6.9	21.5	21.5	1.5	753	7.9	91	--	k 21

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											
08...	17	5.1	1.0	2.7	0.5	11	0.0	9.3	4.7	2.8	<0.1
FEB											
04...	19	5.6	1.1	3.1	0.5	13	0.0	10	5.6	3.6	0.1
APR											
09...	13	4.0	0.77	2.0	0.5	7.0	0.0	5.7	4.0	3.7	0.2
AUG											
11...	18	5.5	1.1	3.4	0.4	13	0.0	11	4.4	3.5	<0.1

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--

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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										
08...	4.3	48	27	<0.01	<0.01	<0.05	0.05	0.03	0.03	0.04
FEB										
04...	4.6	45	30	<0.01	<0.01	0.13	0.13	0.07	0.08	0.10
APR										
09...	3.5	44	22	<0.01	<0.01	0.08	0.08	0.03	0.02	0.03
AUG										
11...	3.2	44	28	<0.01	<0.01	0.06	0.06	0.02	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										
08...	0.2	0.02	<0.01	<0.01	<0.01	90	4	<3	120	<4
FEB										
04...	0.2	0.02	<0.01	0.01	<0.01	70	<2	<3	87	<4
APR										
09...	0.2	<0.01	<0.01	<0.01	<0.01	60	3	<3	80	<4
AUG										
11...	0.3	0.01	<0.01	0.02	0.01	50	4	<3	120	<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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
08...	12	<10	<1	<1	<1	26	<6	4	154	70
FEB										
04...	9	<10	<1	<1	<1	26	<6	2	45	29
APR										
09...	21	<10	1	<1	<1	20	<6	6	591	82
AUG										
11...	17	<10	<1	<1	<1	29	<6	8	167	39

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)
NOV										
08...	--	--	--	--	--	--	--	--	--	--
FEB										
04...	--	--	--	--	--	--	--	--	--	--
APR										
09...	<0.6	<0.6	0.6	<0.6	<0.6	<0.6	<0.02	0.04	<0.6	<0.6
AUG										
11...	<0.6	<0.6	1.4	<0.6	1.2	<0.6	0.03	0.06	<0.6	<0.6

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	39	39	39	---	---	---	---	---	---	---	---	---
2	41	39	40	---	---	---	---	---	---	---	---	---
3	42	41	42	---	---	---	---	---	---	---	---	---
4	43	42	42	---	---	---	---	---	---	---	---	---
5	43	43	43	---	---	---	---	---	---	---	---	---
6	44	43	43	---	---	---	---	---	---	---	---	---
7	45	44	44	---	---	---	---	---	---	---	---	---
8	44	42	44	---	---	---	---	---	---	---	---	---
9	43	41	42	---	---	---	---	---	---	---	---	---
10	41	41	41	---	---	---	---	---	---	---	---	---
11	44	42	43	---	---	---	---	---	---	---	---	---
12	44	43	43	---	---	---	---	---	---	---	---	---
13	44	43	44	---	---	---	---	---	---	---	---	---
14	44	43	44	---	---	---	---	---	---	---	---	---
15	44	43	44	---	---	---	---	---	---	---	---	---
16	45	44	44	---	---	---	---	---	---	---	---	---
17	45	44	44	---	---	---	---	---	---	---	---	---
18	44	43	43	---	---	---	---	---	---	---	---	---
19	43	42	42	---	---	---	---	---	---	---	---	---
20	42	41	42	---	---	---	---	---	---	---	---	---
21	42	41	42	---	---	---	---	---	---	---	---	---
22	42	41	42	---	---	---	---	---	---	---	---	---
23	42	41	41	---	---	---	---	---	---	---	---	---
24	42	42	42	---	---	---	---	---	---	---	---	---
25	43	42	42	---	---	---	---	---	---	---	---	---
26	44	43	44	---	---	---	---	---	---	---	---	---
27	45	43	44	---	---	---	---	---	---	---	---	---
28	45	44	44	---	---	---	---	---	---	---	---	---
29	44	43	44	---	---	---	---	---	---	---	---	---
30	43	42	43	---	---	---	---	---	---	---	---	---
31	44	43	43	---	---	---	---	---	---	---	---	---
MONTH	45	39	43	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	35	34	35
2	---	---	---	---	---	---	---	---	---	35	35	35
3	---	---	---	---	---	---	---	---	---	35	35	35
4	---	---	---	---	---	---	---	---	---	35	35	35
5	---	---	---	---	---	---	---	---	---	35	35	35
6	---	---	---	---	---	---	---	---	---	35	34	35
7	---	---	---	---	---	---	---	---	---	35	34	35
8	---	---	---	---	---	---	---	---	---	36	35	35
9	---	---	---	---	---	---	---	---	---	37	36	36
10	---	---	---	---	---	---	---	---	---	37	37	37
11	---	---	---	---	---	---	---	---	---	38	37	37
12	---	---	---	---	---	---	---	---	---	39	38	38
13	---	---	---	---	---	---	---	---	---	40	39	39
14	---	---	---	---	---	---	---	---	---	40	39	40
15	---	---	---	---	---	---	---	---	---	40	39	40
16	---	---	---	---	---	---	---	---	---	40	39	40
17	---	---	---	---	---	---	---	---	---	42	41	41
18	---	---	---	---	---	---	---	---	---	42	41	41
19	---	---	---	---	---	---	---	---	---	43	41	42
20	---	---	---	---	---	---	---	---	---	43	42	42
21	---	---	---	---	---	---	---	---	---	44	42	43
22	---	---	---	---	---	---	---	---	---	46	43	44
23	---	---	---	---	---	---	---	---	---	48	44	45
24	---	---	---	---	---	---	---	---	---	47	45	45
25	---	---	---	---	---	---	---	---	---	46	45	45
26	---	---	---	---	---	---	---	---	---	47	44	45
27	---	---	---	---	---	---	---	---	---	47	45	46
28	---	---	---	---	---	---	---	---	---	49	45	46
29	---	---	---	---	---	---	---	---	---	50	46	47
30	---	---	---	---	---	---	---	---	---	52	45	47
31	---	---	---	---	---	---	---	---	---	51	46	48
MONTH	---	---	---	---	---	---	---	---	---	52	34	40

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	50	46	47	52	49	50	62	51	55	65	61	62
2	54	48	51	53	50	51	61	46	54	65	61	63
3	57	50	54	57	52	55	46	45	46	64	61	62
4	55	51	52	57	55	56	45	45	45	62	58	59
5	56	51	54	56	55	56	46	44	45	60	57	58
6	59	52	56	57	51	55	48	46	47	59	57	58
7	58	51	53	52	48	49	47	46	46	61	57	59
8	58	52	55	50	47	48	48	45	46	59	58	58
9	55	50	51	52	48	50	47	46	46	61	59	60
10	52	49	50	53	52	53	52	46	49	61	58	60
11	53	49	51	53	52	52	56	52	54	62	58	60
12	56	50	53	53	50	51	57	56	56	62	60	61
13	57	53	55	51	50	50	59	55	57	63	60	62
14	56	54	55	51	48	49	62	58	60	65	60	62
15	56	53	54	49	44	47	64	60	62	65	63	64
16	57	52	55	44	43	43	64	62	63	67	62	64
17	58	52	56	43	41	42	65	62	63	64	58	62
18	59	54	56	42	40	41	65	61	63	64	58	61
19	62	57	59	43	41	42	63	61	62	65	62	64
20	63	60	62	45	43	43	67	63	64	66	63	65
21	66	64	65	45	43	44	68	59	65	68	64	66
22	64	62	63	44	44	44	62	60	61	67	63	65
23	65	60	63	46	44	45	62	60	61	68	62	64
24	64	52	56	48	45	46	62	57	60	62	58	60
25	52	50	51	51	47	48	64	58	62	58	57	58
26	53	51	52	52	47	49	65	54	62	58	56	57
27	53	50	51	53	49	51	64	59	63	62	56	59
28	50	49	49	60	52	56	64	62	63	62	53	56
29	52	49	50	63	59	60	64	61	63	55	51	54
30	50	49	49	64	60	62	63	59	61	55	49	53
31	---	---	---	64	63	63	63	60	61	---	---	---
MONTH	66	46	54	64	40	50	68	44	57	68	49	61
PERIOD	**68**	**34**	**51**									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
2	---	---	---	---	---	---	---	---	---	7.1	7.1	7.1
3	---	---	---	---	---	---	---	---	---	7.1	7.1	7.1
4	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
5	---	---	---	---	---	---	---	---	---	7.2	7.1	7.2
6	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
7	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
8	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
9	---	---	---	---	---	---	---	---	---	7.2	7.1	7.2
10	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
11	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
12	---	---	---	---	---	---	---	---	---	7.4	7.1	7.2
13	---	---	---	---	---	---	---	---	---	7.4	7.1	7.2
14	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
15	---	---	---	---	---	---	---	---	---	7.6	7.1	7.3
16	---	---	---	---	---	---	---	---	---	7.5	7.1	7.3
17	---	---	---	---	---	---	---	---	---	7.5	7.1	7.3
18	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
19	---	---	---	---	---	---	---	---	---	7.5	7.2	7.3
20	---	---	---	---	---	---	---	---	---	7.6	7.2	7.3
21	---	---	---	---	---	---	---	---	---	7.5	7.2	7.3
22	---	---	---	---	---	---	---	---	---	7.4	7.1	7.3
23	---	---	---	---	---	---	---	---	---	7.4	7.1	7.3
24	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
25	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
26	---	---	---	---	---	---	---	---	---	7.5	7.2	7.4
27	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4
28	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
29	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
30	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
31	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
MONTH	---	---	---	---	---	---	---	---	---	7.6	7.0	7.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	7.2	7.3	7.3	7.1	7.2	7.0	6.8	7.0	7.3	7.1	7.2
2	7.3	7.2	7.2	7.4	7.1	7.2	7.1	6.8	6.9	7.3	7.1	7.2
3	7.3	7.2	7.2	7.3	7.1	7.2	7.0	6.9	6.9	7.3	7.2	7.2
4	7.3	7.2	7.2	7.0	6.9	6.9	7.0	6.9	6.9	7.3	7.2	7.2
5	7.3	7.1	7.2	7.0	6.9	6.9	7.0	6.9	6.9	7.3	7.1	7.2
6	7.3	7.2	7.2	7.1	6.9	7.0	7.0	6.9	6.9	7.3	7.1	7.2
7	7.3	7.1	7.2	7.2	7.0	7.1	7.1	7.0	7.0	7.3	7.1	7.2
8	7.3	7.1	7.2	7.3	7.0	7.1	7.1	7.0	7.0	7.2	7.1	7.2
9	7.4	7.1	7.2	7.1	7.0	7.1	7.1	7.0	7.0	7.3	7.1	7.2
10	7.4	7.2	7.3	7.3	7.0	7.1	7.1	7.0	7.0	7.3	7.1	7.2
11	7.4	7.1	7.2	7.3	6.9	7.1	7.1	6.9	7.0	7.2	7.1	7.2
12	7.3	7.2	7.2	7.4	6.9	7.1	7.0	6.9	7.0	7.3	7.1	7.2
13	7.2	7.1	7.1	7.1	6.9	7.0	7.1	6.9	7.0	7.4	7.2	7.3
14	7.2	7.1	7.1	7.1	6.9	7.0	7.1	6.9	7.0	7.4	7.2	7.3
15	7.3	7.1	7.2	7.0	6.8	6.9	7.1	7.0	7.0	7.3	7.2	7.3
16	7.5	7.1	7.3	7.0	6.7	6.8	7.1	7.0	7.0	7.4	7.1	7.2
17	7.4	7.2	7.3	6.8	6.7	6.8	7.1	7.0	7.1	7.3	7.1	7.2
18	7.5	7.1	7.3	6.8	6.7	6.8	7.1	7.0	7.1	7.3	7.1	7.2
19	7.6	7.2	7.4	6.9	6.7	6.8	7.2	7.0	7.1	7.2	7.1	7.2
20	7.4	7.1	7.2	7.0	6.8	6.9	7.2	7.0	7.1	7.3	7.1	7.2
21	7.3	7.1	7.2	7.0	6.8	6.9	7.3	7.1	7.2	7.3	7.2	7.3
22	7.1	7.0	7.1	7.1	6.8	6.9	7.3	7.1	7.2	7.3	7.2	7.2
23	7.5	7.0	7.2	7.0	6.8	6.9	7.4	7.1	7.2	7.2	7.1	7.2
24	7.8	7.2	7.5	7.0	6.9	7.0	7.5	7.1	7.3	7.3	7.1	7.2
25	7.5	7.2	7.3	7.0	6.8	6.9	7.5	7.1	7.3	7.3	7.2	7.2
26	7.5	7.1	7.3	7.0	6.9	6.9	7.4	7.1	7.3	7.3	7.2	7.2
27	7.4	7.1	7.2	7.0	6.9	6.9	7.4	7.1	7.2	7.3	7.1	7.2
28	7.3	7.1	7.2	6.9	6.8	6.8	7.2	7.1	7.2	7.2	7.1	7.1
29	7.3	7.0	7.1	7.0	6.9	6.9	7.2	7.1	7.2	7.3	7.0	7.2
30	7.3	7.1	7.2	7.0	6.8	6.9	7.3	7.1	7.2	7.3	7.1	7.2
31	---	---	---	7.0	6.9	6.9	7.4	7.1	7.2	---	---	---
MONTH	7.8	7.0	7.2	7.4	6.7	7.0	7.5	6.8	7.1	7.4	7.0	7.2
PERIOD	**7.8**	**6.7**	**7.1**									

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	9.5	8.5	9.0
2	---	---	---	---	---	---	---	---	---	9.5	8.5	9.0
3	---	---	---	---	---	---	---	---	---	9.0	8.0	8.5
4	---	---	---	---	---	---	---	---	---	9.0	8.5	8.5
5	---	---	---	---	---	---	---	---	---	8.5	7.5	8.0
6	---	---	---	---	---	---	---	---	---	8.5	7.0	7.5
7	---	---	---	---	---	---	---	---	---	9.0	7.5	8.5
8	---	---	---	---	---	---	---	---	---	9.5	8.5	9.0
9	---	---	---	---	---	---	---	---	---	10.5	9.5	10.0
10	---	---	---	---	---	---	---	---	---	11.0	10.5	10.5
11	---	---	---	---	---	---	---	---	---	12.5	10.5	11.5
12	---	---	---	---	---	---	---	---	---	13.0	12.0	12.5
13	---	---	---	---	---	---	---	---	---	14.5	13.0	14.0
14	---	---	---	---	---	---	---	---	---	15.0	14.5	14.5
15	---	---	---	---	---	---	---	---	---	15.5	14.0	14.5
16	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
17	---	---	---	---	---	---	---	---	---	16.0	14.5	15.0
18	---	---	---	---	---	---	---	---	---	15.0	14.5	14.5
19	---	---	---	---	---	---	---	---	---	16.0	13.5	14.5
20	---	---	---	---	---	---	---	---	---	17.0	15.0	16.0
21	---	---	---	---	---	---	---	---	---	19.0	16.0	17.5
22	---	---	---	---	---	---	---	---	---	20.5	17.5	19.0
23	---	---	---	---	---	---	---	---	---	21.5	19.0	20.5
24	---	---	---	---	---	---	---	---	---	21.0	19.0	20.0
25	---	---	---	---	---	---	---	---	---	18.5	17.5	17.5
26	---	---	---	---	---	---	---	---	---	18.0	16.5	17.0
27	---	---	---	---	---	---	---	---	---	18.5	16.5	17.5
28	---	---	---	---	---	---	---	---	---	18.5	17.0	18.0
29	---	---	---	---	---	---	---	---	---	19.5	17.0	18.5
30	---	---	---	---	---	---	---	---	---	20.0	18.0	19.0
31	---	---	---	---	---	---	---	---	---	20.0	18.5	19.5
MONTH	---	---	---	---	---	---	---	---	---	21.5	7.0	14.0

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	18.5	19.0	21.5	21.0	21.5	22.0	21.0	21.5	22.0	20.5	21.0
2	19.5	18.0	18.5	21.0	20.0	20.5	21.5	20.0	20.5	20.5	20.0	20.0
3	19.5	18.5	19.0	21.0	19.0	20.0	21.5	20.5	21.0	20.0	19.0	19.5
4	20.0	19.0	19.0	20.5	19.5	20.0	21.5	21.0	21.5	19.0	18.5	18.5
5	19.0	18.0	18.5	19.5	19.0	19.0	21.5	21.0	21.0	19.0	18.0	18.5
6	18.0	17.0	17.5	19.0	18.5	19.0	21.5	20.0	21.0	19.0	18.0	18.5
7	19.0	17.0	17.5	20.0	18.5	19.0	22.0	20.5	21.0	18.5	18.5	18.5
8	20.5	18.5	19.0	21.5	19.5	20.5	23.0	21.0	22.0	19.0	18.5	18.5
9	21.5	20.0	20.5	21.0	20.0	20.5	22.0	21.5	22.0	20.0	19.0	19.5
10	21.5	20.0	21.0	20.5	19.5	20.0	22.0	21.0	21.5	20.5	19.5	20.0
11	21.5	20.0	20.5	22.0	20.0	21.0	23.0	21.5	22.0	21.0	20.5	20.5
12	22.0	20.0	21.0	22.5	21.0	21.5	23.0	22.0	22.5	20.5	20.0	20.5
13	21.5	20.5	21.0	22.0	21.5	21.5	22.5	21.5	22.0	20.0	19.0	19.5
14	22.0	21.0	21.5	21.5	20.5	21.0	22.0	21.5	22.0	20.0	19.0	19.5
15	21.5	20.5	21.0	20.5	20.0	20.0	22.0	21.5	21.5	20.0	19.0	19.5
16	21.5	20.0	20.5	21.0	20.0	20.5	21.5	20.5	21.0	20.5	19.0	20.0
17	22.5	20.5	21.0	21.0	20.0	20.5	20.5	20.5	20.5	21.0	20.0	20.5
18	22.5	21.5	22.0	21.0	20.0	20.5	20.5	20.0	20.5	22.0	20.5	21.5
19	23.0	21.5	22.5	22.0	20.5	21.0	22.0	20.5	21.0	22.0	21.5	21.5
20	23.0	22.5	22.5	23.0	21.5	22.0	22.0	21.0	21.5	21.0	20.5	20.5
21	23.0	22.0	22.5	23.0	22.0	22.5	22.0	21.0	21.5	20.5	19.5	19.5
22	22.0	21.0	21.5	23.0	21.5	22.5	22.5	21.0	21.5	19.5	18.5	19.0
23	21.0	20.5	20.5	22.5	21.5	22.0	22.5	21.5	22.0	19.0	18.0	18.5
24	21.0	19.5	20.5	23.0	21.0	22.0	23.5	22.0	22.5	18.0	17.0	17.5
25	20.5	19.5	20.0	24.0	22.0	23.0	24.5	22.5	23.5	17.0	16.0	16.5
26	21.0	19.5	20.5	24.0	22.5	23.5	25.0	23.5	24.5	17.0	16.0	16.5
27	21.0	20.0	20.5	24.0	22.5	23.0	25.0	24.0	24.0	17.0	16.5	17.0
28	21.5	20.0	20.5	22.5	21.5	22.0	24.0	23.5	23.5	17.5	17.0	17.0
29	22.5	20.5	21.5	23.0	21.5	22.5	23.5	23.0	23.0	17.0	16.5	17.0
30	22.5	21.0	21.5	23.0	22.0	22.5	23.0	22.0	22.5	16.5	14.5	15.5
31	---	---	---	23.0	22.0	22.5	22.0	22.0	22.0	---	---	---
MONTH	23.0	17.0	20.5	24.0	18.5	21.0	25.0	20.0	22.0	22.0	14.5	19.0
PERIOD	25.0	6.5	18.0									

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.5	11.3	11.4	---	---	---	---	---	---	---	---	---
2	11.3	11.0	11.2	---	---	---	---	---	---	---	---	---
3	11.0	10.8	10.9	---	---	---	---	---	---	---	---	---
4	10.9	10.7	10.8	---	---	---	---	---	---	---	---	---
5	10.8	10.6	10.7	---	---	---	---	---	---	---	---	---
6	10.6	10.3	10.5	---	---	---	---	---	---	---	---	---
7	10.8	10.3	10.5	---	---	---	---	---	---	---	---	---
8	11.4	10.8	11.1	---	---	---	---	---	---	---	---	---
9	11.8	11.5	11.6	---	---	---	---	---	---	---	---	---
10	11.5	11.2	11.4	---	---	---	---	---	---	---	---	---
11	11.2	11.1	11.1	---	---	---	---	---	---	---	---	---
12	11.3	11.0	11.2	---	---	---	---	---	---	---	---	---
13	11.6	11.4	11.5	---	---	---	---	---	---	---	---	---
14	12.0	11.6	11.8	---	---	---	---	---	---	---	---	---
15	12.1	11.9	12.0	---	---	---	---	---	---	---	---	---
16	11.9	11.8	11.8	---	---	---	---	---	---	---	---	---
17	12.0	11.8	11.9	---	---	---	---	---	---	---	---	---
18	11.9	11.8	11.9	---	---	---	---	---	---	---	---	---
19	12.0	11.8	11.9	---	---	---	---	---	---	---	---	---
20	12.2	11.8	12.0	---	---	---	---	---	---	---	---	---
21	12.5	12.2	12.3	---	---	---	---	---	---	---	---	---
22	12.4	12.2	12.3	---	---	---	---	---	---	---	---	---
23	12.4	12.2	12.3	---	---	---	---	---	---	---	---	---
24	12.3	12.1	12.2	---	---	---	---	---	---	---	---	---
25	12.1	11.7	11.9	---	---	---	---	---	---	---	---	---
26	11.7	11.4	11.5	---	---	---	---	---	---	---	---	---
27	11.5	11.2	11.3	---	---	---	---	---	---	---	---	---
28	12.0	11.3	11.6	---	---	---	---	---	---	---	---	---
29	12.4	12.0	12.3	---	---	---	---	---	---	---	---	---
30	12.6	12.4	12.5	---	---	---	---	---	---	---	---	---
31	12.5	12.2	12.4	---	---	---	---	---	---	---	---	---
MONTH	12.6	10.3	11.6	---	---	---	---	---	---	---	---	---

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.9	9.5	9.8	9.1	8.4	8.7	8.5	8.0	8.2	8.5	8.1	8.3
2	10.2	9.5	9.9	8.9	8.6	8.7	8.9	8.0	8.5	8.8	8.5	8.7
3	10.1	9.4	9.8	9.0	8.5	8.8	8.9	8.7	8.8	8.9	8.6	8.8
4	9.6	9.2	9.4	8.8	8.5	8.6	8.8	8.6	8.7	8.9	8.7	8.8
5	9.9	9.5	9.7	8.8	8.5	8.6	8.7	8.5	8.6	9.1	8.8	8.9
6	9.8	9.5	9.7	8.8	8.5	8.6	9.0	8.6	8.8	9.0	8.8	8.9
7	9.8	9.0	9.5	9.1	8.6	8.8	9.0	8.6	8.8	9.0	8.8	8.9
8	9.5	8.8	9.2	8.8	8.4	8.6	8.8	8.3	8.6	8.9	8.8	8.8
9	9.1	8.6	8.8	8.6	8.4	8.5	8.6	8.4	8.5	8.8	8.6	8.7
10	9.4	8.7	9.0	8.8	8.4	8.6	8.6	8.0	8.3	8.7	8.5	8.6
11	9.5	8.6	9.0	8.6	8.2	8.4	8.0	7.9	7.9	8.6	8.3	8.5
12	9.1	8.1	8.6	8.7	8.1	8.4	8.2	7.7	8.0	8.9	8.4	8.7
13	8.5	8.1	8.3	8.4	8.1	8.3	8.4	8.1	8.3	9.0	8.8	8.9
14	8.4	8.1	8.2	8.9	8.4	8.6	8.4	8.1	8.2	9.0	8.8	9.0
15	8.7	8.1	8.5	9.3	9.0	9.1	8.4	8.1	8.2	9.1	8.9	9.0
16	9.0	8.4	8.7	9.3	8.9	9.1	8.4	8.3	8.3	8.9	8.7	8.8
17	9.6	8.4	8.9	9.2	8.9	9.0	8.5	8.4	8.4	8.7	8.6	8.7
18	---	---	---	9.0	8.7	8.9	8.5	8.3	8.4	8.6	8.4	8.5
19	---	---	---	8.9	8.5	8.7	8.5	8.3	8.4	8.4	8.1	8.3
20	---	---	---	8.8	8.4	8.6	8.3	8.1	8.3	8.7	8.3	8.5
21	---	---	---	8.6	8.4	8.5	8.6	8.2	8.4	8.9	8.6	8.8
22	---	---	---	8.9	8.4	8.6	8.6	8.3	8.5	8.9	8.7	8.8
23	8.8	8.1	8.4	8.9	8.4	8.6	8.7	8.3	8.5	9.1	8.6	8.8
24	9.0	8.5	8.8	8.7	8.1	8.4	8.7	8.3	8.5	9.6	9.0	9.3
25	9.0	8.8	8.9	8.3	7.9	8.1	8.4	8.1	8.3	9.7	9.4	9.5
26	9.0	8.7	8.9	8.2	7.7	8.0	8.2	7.8	8.0	9.7	9.3	9.5
27	9.1	8.7	8.9	8.1	7.8	7.9	8.0	7.7	7.8	9.5	9.2	9.3
28	9.1	8.6	8.8	8.0	7.8	7.9	8.0	7.6	7.8	9.4	9.2	9.3
29	9.0	8.4	8.7	8.0	7.8	7.9	8.0	7.7	7.9	9.5	9.1	9.3
30	8.8	8.4	8.6	8.1	7.7	7.9	8.3	7.9	8.1	10.0	9.3	9.7
31	---	---	---	8.1	7.9	8.0	8.2	8.0	8.1	---	---	---
MONTH	10.2	8.1	9.0	9.3	7.7	8.5	9.0	7.6	8.3	10.0	8.1	8.9
PERIOD	**12.6**	**7.6**	**9.3**									

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 ft^3. 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 ft^3. 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 ft^3 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 ft^3 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 ft^3 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 1991 TO SEPTEMBER 1992

Date	West Branch Penobscot River Reservoirs [1]	East Branch Penobscot River Reservoirs [2]	Ssebec Lake
SEPT. 30, 1991.....	35,774	2,795	1,311
OCT. 31.....	39,289	2,663	1,638
NOV. 30.....	39,795	3,601	2,013
DEC. 31.....	37,857	4,509	1,837
JAN. 31, 1992.....	35,725	3,440	1,866
FEB. 29.....	30,920	2,257	1,556
MAR. 31.....	28,329	3,007	1,984
APR. 30.....	47,153	5,437	1,896
MAY 31.....	52,778	5,857	1,954
JUNE 30.....	52,836	5,873	1,984
JULY 31.....	52,185	5,145	1,954
AUG. 31.....	48,845	5,007	1,954
SEPT. 30.....	42,055	2,896	1,175

[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 ft^3; 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 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

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

DRAINAGE AREA.--145 mi^2.

PERIOD OF RECORD.--Discharge: October 1938 to current year.
Chemical analyses: Water years 1954-56.
Specific conductance: July 1974 to September 1976.
Water 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. 3-7, 16, 17, 25-27, 31, Jan. 1, 16, 17, 19-22, 25, Feb. 3, 4., 6, 7, 10-13, 15, Mar. 1 and 2. Records good except for periods of ice effect, Dec. 3-7, 16, 17, 25-27, 31, Jan. 1, 16, 17, 19-22, 25, Feb. 3,4, 6, 7, 10-13, 15, Mar. 1 and 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, 7,350 ft^3/s, Apr.1, 1987, gage height, 13.71 ft; minimum, 5.0 ft^3/s, Oct. 24, 1941, gage height, 1.70 ft.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 12	0300	*2,680	*7.60	Mar. 29	0700	1,920	6.44

Minimum discharge, 18 ft^3/s, Sept. 21, 22, gage height, 1.81 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	174	400	e231	217	e193	1050	398	71	57	59	24
2	206	232	365	208	208	e178	907	368	78	54	64	22
3	196	199	e335	197	e185	169	819	363	74	50	59	23
4	177	182	e315	187	e171	157	733	347	68	49	57	44
5	157	171	e292	445	169	150	625	318	64	51	54	47
6	162	162	e271	707	e161	147	562	298	90	55	50	38
7	548	155	e259	659	e155	157	517	278	142	59	46	33
8	353	148	249	648	148	294	489	259	222	62	43	34
9	271	139	244	610	143	328	465	274	292	63	42	32
10	252	130	252	560	e137	345	437	298	189	76	42	29
11	247	195	241	493	e131	1380	422	283	165	67	40	28
12	252	478	230	421	e123	2280	409	263	144	60	38	26
13	265	354	275	378	e117	1750	389	251	127	57	34	23
14	234	313	382	398	113	1370	380	237	119	55	32	23
15	210	304	454	555	e111	1020	377	212	135	56	31	22
16	240	310	e377	e444	162	786	366	196	111	54	30	21
17	283	299	e346	e381	217	617	361	185	96	50	30	21
18	303	280	334	340	217	495	372	172	87	68	52	20
19	296	263	315	e295	274	405	422	159	78	78	68	20
20	267	251	294	e253	387	340	438	147	73	169	56	19
21	245	239	282	e220	389	293	473	137	88	124	47	18
22	228	227	272	e193	334	255	527	129	85	100	42	18
23	215	525	257	207	311	230	590	119	81	91	38	21
24	199	620	244	846	291	209	683	113	76	87	36	19
25	187	637	e231	e599	268	191	826	113	77	80	34	19
26	179	595	e214	513	260	183	742	105	75	74	32	18
27	171	556	e195	434	249	711	633	97	73	67	30	23
28	177	515	187	365	238	1270	579	92	69	63	29	26
29	171	475	182	307	219	1870	524	86	63	57	28	22
30	156	433	249	266	---	1630	460	78	59	53	27	19
31	143	---	e256	239	---	1300	---	72	---	49	25	---
TOTAL	7203	9561	8799	12599	6105	20703	16577	6447	3171	2135	1295	752
MEAN	232	319	284	406	211	668	553	208	106	68.9	41.8	25.1
MAX	548	637	454	846	389	2280	1050	398	292	169	68	47
MIN	143	130	182	187	111	147	361	72	59	49	25	18
CFSM	1.60	2.20	1.96	2.80	1.45	4.61	3.81	1.43	.73	.47	.29	.17
IN.	1.85	2.45	2.26	3.23	1.57	5.31	4.25	1.65	.81	.55	.33	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1992, BY WATER YEAR (WY)

MEAN	89.4	252	328	220	232	437	746	348	169	75.9	50.7	50.6
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1939 - 1992	
ANNUAL TOTAL	96040		95347			
ANNUAL MEAN	263		261		249	
HIGHEST ANNUAL MEAN					427	1984
LOWEST ANNUAL MEAN					115	1985
HIGHEST DAILY MEAN	1400	Mar 20	2280	Mar 12	6690	Apr 1 1987
LOWEST DAILY MEAN	10	Aug 9	18	Sep 21	5.1	Oct 24 1941
ANNUAL SEVEN-DAY MINIMUM	15	Aug 3	19	Sep 20	5.5	Oct 18 1941
INSTANTANEOUS PEAK FLOW			2680	Mar 12	7350	Apr 1 1987
INSTANTANEOUS PEAK STAGE			7.60	Mar 12	13.71	Apr 1 1987
INSTANTANEOUS LOW FLOW			18	Sep 21	5.0	Oct 24 1941
ANNUAL RUNOFF (CFSM)	1.81		1.80		1.72	
ANNUAL RUNOFF (INCHES)	24.64		24.46		23.38	
10 PERCENT EXCEEDS	573		550		627	
50 PERCENT EXCEEDS	198		196		130	
90 PERCENT EXCEEDS	31		34		24	

e Estimated

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 mi^2.
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 ft^3 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, 17.55 ft, Jul. 13; minimum observed, 13.30 ft, Mar. 27.

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 1991 TO SEPTEMBER 1992

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.44	15.28	16.27	16.71	15.80	14.20	13.97	16.38	17.15	17.42	16.96	16.20
2	14.37	15.24	16.27	16.65	15.75	14.12	14.00	16.45	17.12	17.40	16.95	16.15
3	14.31	15.22	16.35	16.65	15.70	14.04	14.08	16.55	17.10	17.36	16.96	16.09
4	14.27	15.21	16.42	16.63	15.67	13.95	14.15	16.65	17.05	17.30	16.95	16.06
5	14.21	15.17	16.44	16.63	15.64	13.90	14.20	16.72	17.00	17.30	16.96	16.02
6	14.10	15.17	16.42	16.68	15.59	13.82	14.24	16.78	16.92	17.30	16.95	15.98
7	14.21	15.18	16.44	16.68	15.52	13.75	14.30	16.85	16.96	17.35	16.97	15.95
8	14.19	15.20	16.47	16.69	15.48	13.72	14.36	16.89	17.02	17.36	16.95	15.89
9	14.23	15.23	16.50	16.65	15.42	13.67	14.44	16.96	16.99	17.34	16.92	15.84
10	14.23	15.24	16.49	16.63	15.35	13.60	14.48	17.04	16.99	17.40	16.88	15.80
11	14.30	15.26	16.48	16.62	15.27	13.54	14.55	17.08	16.99	17.43	16.86	15.78
12	14.36	15.42	16.50	16.57	15.23	13.62	14.68	17.14	16.98	17.39	16.82	15.74
13	14.41	15.44	16.50	16.51	15.16	13.65	14.73	17.20	16.99	17.55	16.77	15.67
14	14.44	15.45	16.57	16.51	15.11	13.65	14.76	17.28	17.08	17.49	16.74	15.60
15	14.44	15.47	16.67	16.55	15.07	13.63	14.77	17.36	17.02	17.50	16.70	15.55
16	14.52	15.55	16.70	16.50	15.06	13.62	14.80	17.41	16.97	17.46	16.66	15.50
17	14.65	15.59	16.69	16.48	14.98	13.62	14.81	17.46	16.94	17.39	16.59	15.45
18	14.75	15.58	16.74	16.44	14.90	13.59	14.85	17.50	16.89	17.33	16.59	15.40
19	14.86	15.60	16.75	16.36	14.88	13.57	14.89	17.52	16.85	17.32	16.57	15.36
20	14.92	15.66	16.75	16.31	14.80	13.54	14.93	17.50	16.87	17.31	16.59	15.31
21	14.96	15.72	16.75	16.25	14.75	13.50	15.05	17.48	16.92	17.30	16.54	15.25
22	15.01	15.74	16.77	16.18	14.66	13.45	15.25	17.46	16.95	17.27	16.50	15.20
23	15.12	15.86	16.78	16.12	14.62	13.45	15.54	17.44	17.14	17.22	16.47	15.26
24	15.14	15.92	16.79	16.16	14.55	13.40	15.76	17.44	17.26	17.19	16.40	15.20
25	15.18	16.02	16.79	16.10	14.46	13.37	15.86	17.40	17.37	17.15	16.36	15.12
26	15.25	16.10	16.80	16.05	14.44	13.33	15.98	17.37	17.47	17.11	16.31	15.06
27	15.31	16.14	16.80	15.99	14.38	13.30	16.08	17.34	17.45	17.04	16.26	14.98
28	15.40	16.20	16.80	15.96	14.34	13.47	16.16	17.30	17.46	17.01	16.34	14.88
29	15.38	16.25	16.77	15.92	14.27	13.68	16.22	17.25	17.47	16.96	16.28	14.82
30	15.34	16.25	16.75	15.88	---	13.80	16.30	17.23	17.45	16.90	16.25	14.70
31	15.28	---	16.72	15.83	---	13.86	---	17.20	---	16.84	16.24	---
MAX	15.40	16.25	16.80	16.71	15.80	14.20	16.30	17.52	17.47	17.55	16.97	16.20
MIN	14.10	15.17	16.27	15.83	14.27	13.30	13.97	16.38	16.85	16.84	16.24	14.70
*	16,596	19,764	21,182	18,260	13,170	12,437	20,116	22,595	23,466	21,982	19,540	14,494
#	+2,668	+3,168	+1,418	-2,922	-5,090	-733	+7,679	+2,479	+871	-1,484	-2,442	-5,046
+	105	113	123	121	109	94	107	127	127	128	123	113

CAL YR 1991 # +418
WTR YR 1992 # +566

* 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

01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45°20'45", long 69°57'48", Somerset County, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from highway bridge and 0.7 mi upstream from Dead River.
DRAINAGE AREA.--1,590 mi^2.
PERIOD OF RECORD.--Discharge: October 1901 to current year. Prior to Oct. 1903 monthly discharge only, published in WSP 1302.
Chemical analyses: Water years 1952-53.
REVISED RECORDS.--WSP 1231: 1902-04, 1906-08, 1912, 1914, 1919-20(M), 1923(M), 1926(M), 1928-29(M), 1936(M), 1938(M). WSP 1301: 1928-35 (adjusted monthly runoff). WDR ME-82-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 569.03 ft above National Geodetic Vertical Datum of 1929. Prior to June 21, 1912, nonrecording gage, and June 21, 1912, to Oct. 17, 1919, water-stage recorder and nonrecording gage at highway bridge 0.4 mi downstream at different datum.
REMARKS.--No estimated daily discharges. Records good. 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.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,300 ft^3/s, June 1, 1984, gage height, 13.78 ft; minimum daily, 161 ft^3/s, Aug. 30, 1987.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,350 ft^3/s, Nov. 18, gage height, 6.65 ft; minimum daily, 404 ft^3/s, June 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4740	1670	1060	1650	2580	2130	3380	1620	3610	3780	2280	3380
2	4010	2060	2540	4330	2210	4340	1400	1590	3390	3100	1390	3050
3	3210	1440	2530	3850	3980	4350	831	1360	3550	2270	3200	2950
4	3210	2640	2040	2220	4290	4050	751	1590	2940	2040	2400	2750
5	2750	3080	2530	2220	4780	3800	713	871	2680	2620	2800	1460
6	2240	2040	2240	3200	4310	3600	1490	1350	1430	3040	2540	1770
7	3170	1530	1600	2510	3650	2800	1990	1310	827	2350	2430	2210
8	2750	1760	1380	2660	2430	2660	812	1390	1430	2280	1400	3260
9	2780	1390	2940	3350	2370	4120	1240	640	1090	2950	1130	3380
10	2030	1460	1980	3330	4650	4540	1740	1130	1050	2910	3220	3720
11	3240	1710	2260	3260	4690	2500	1300	1320	1270	2110	3230	3010
12	2870	1710	2320	2660	4270	1830	782	1290	977	1030	3290	2580
13	2730	3020	2310	3470	4200	1880	3630	1260	961	3920	2240	1460
14	2060	2090	1190	3310	2980	976	3140	1280	404	4260	2920	3550
15	2640	2460	921	2860	2800	1080	1730	1270	2270	5870	1190	3650
16	2700	1010	1760	3360	2120	3360	2660	1240	2240	5420	1070	3110
17	2160	762	2410	4340	3760	2560	1500	1220	1710	5380	2460	3310
18	1930	1960	2290	3200	4370	3130	685	2890	1690	3460	3050	3110
19	2710	2700	2310	3330	4600	2910	743	3810	1160	3100	3050	2120
20	1790	2520	2300	4120	4200	1990	980	4140	874	3630	3650	965
21	2740	1370	1310	3730	3940	1290	1740	4020	823	3860	3170	2610
22	2640	1670	1240	3940	3100	818	3020	3550	1830	3750	939	3090
23	3200	2390	2140	4030	2280	3870	5550	2330	1610	3380	858	3110
24	2570	1820	2350	3010	4130	3080	4790	1450	1680	2860	2800	3110
25	2080	2200	2200	2650	4200	2850	3090	2050	2640	2010	3220	3160
26	2050	2060	2690	2930	3990	915	2230	3470	3900	1410	3290	2280
27	2220	1930	2600	4810	4260	880	2600	2970	3930	3480	3670	2640
28	3140	1910	2260	3870	4090	1010	2570	3760	3560	3750	2310	4030
29	3040	2620	2060	3580	2690	2080	1950	2600	3830	4140	1990	4690
30	3710	743	3560	3700	---	2820	1230	1730	3820	3070	1280	4310
31	2730	---	3900	3260	---	2590	---	1180	---	2560	2740	---
TOTAL	85840	57725	67221	102740	105920	80809	60267	61681	63176	99790	75207	87825
MEAN	2769	1924	2168	3314	3652	2607	2009	1990	2106	3219	2426	2927
MAX	4740	3080	3900	4810	4780	4540	5550	4140	3930	5870	3670	4690
MIN	1790	743	921	1650	2120	818	685	640	404	1030	858	965

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1992, BY WATER YEAR (WY)

MEAN	1955	1801	2070	2295	2474	2259	2873	4725	3354	2632	2458	2264
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1904 - 1992	
ANNUAL TOTAL	1098323		948201			
ANNUAL MEAN	3009		2591		2598	
HIGHEST ANNUAL MEAN					4380	1974
LOWEST ANNUAL MEAN					1516	1950
HIGHEST DAILY MEAN	14300	Apr 24	5870	Jul 15	28200	Jun 1 1984
LOWEST DAILY MEAN	407	Sep 29	404	Jun 14	161	Aug 30 1987
ANNUAL SEVEN-DAY MINIMUM	1180	Aug 13	1030	Jun 8	314	Jan 6 1909
INSTANTANEOUS PEAK FLOW			9350	Nov 18	30300	Jun 1 1984
INSTANTANEOUS PEAK STAGE			6.65	Nov 18	13.78	Jun 1 1984
10 PERCENT EXCEEDS	4160		4020		4300	
50 PERCENT EXCEEDS	2640		2600		2230	
90 PERCENT EXCEEDS	1190		1150		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 mi^2.
PERIOD OF RECORD.--June 1907 to June 1910, October 1930 to current year. Monthly discharge only for some periods prior to June 1910 published in WSP 1301.
Chemical analyses: Water years 1966 to 1978.
Specific conductance: October 1975 to September 1978.
Water 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: Oct. 2 to Nov. 19, Feb. 10, 12, 19, 28, Mar. 2, Mar. 17 to May 29, and July 30. Records excellent except for periods of missing gage-height record, Oct. 2 to Nov. 19 and Mar. 17 to May 29, and periods of doubtful gage-height record, Feb. 19 and July 30, and periods of ice effect, Feb. 10, 12, 28, and Mar. 2, 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 ft^3/s, June 1, 1984, gage height, 15.61 ft; minimum daily, 110 ft^3/s, Dec. 25, 1947.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,600 ft^3/s, Apr. 23, gage height, 10.37 ft; minimum daily, 1,950 ft^3/s, June 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4080	e4900	3750	5250	5030	4560	e5050	e4470	3040	4280	4140	3810
2	e4030	e5210	3520	5280	4960	e4720	e3290	e3900	2530	3960	4400	3810
3	e4160	e4990	3590	5280	4970	4400	e2630	e3840	3120	3320	4450	3950
4	e4300	e5060	3890	5400	4800	4420	e2900	e3800	3160	3360	4270	3970
5	e4270	e4780	4180	5040	4990	4870	e2720	e3340	2940	3390	3950	3670
6	e3930	e4790	4030	4730	4970	4680	e2680	e3120	2910	3280	3760	3660
7	e6880	e4460	4020	4130	4900	4730	e2630	e3170	2670	3580	3620	3940
8	e8060	e5000	4070	4180	4960	4690	e2860	e3180	2370	4270	3760	3810
9	e4970	e4740	4090	4320	4790	4310	e3710	e3260	2270	3650	3840	3420
10	e4220	e4650	4060	4710	e5120	4160	e3950	e3440	2040	4080	3900	3670
11	e4340	e4530	3800	5040	4900	4180	e4170	e2990	1950	3990	4130	3660
12	e4000	e5010	3750	4850	e5000	4010	e4450	e3280	2180	3990	3900	3690
13	e4450	e4710	4130	4920	4940	3390	e4240	e3210	2080	3900	3990	3650
14	e3930	e4490	3890	5070	4950	3280	e4300	e3350	2440	4620	4190	3660
15	e4430	e4150	3850	5390	4930	3620	e3770	e3210	3350	6520	3990	3610
16	e4020	e4350	3840	5140	4780	3440	e3740	e3120	2800	6670	4240	3750
17	e4310	e4680	4170	4920	4710	e3980	e3200	e3370	3170	6110	3970	3310
18	e4520	e4720	3890	5050	4790	e3850	e2680	e4110	3120	5410	4110	3680
19	e4590	e4560	4240	4840	e4770	e4050	e2920	e4710	2120	4750	4030	3420
20	e4560	4390	4080	5040	4870	e4190	e3740	e4700	2260	4050	4070	3480
21	e4180	4530	4060	4840	4850	e3660	e5740	e4620	3230	3910	3990	2810
22	e4130	4850	3980	5010	4810	e3660	e12000	e4520	6680	3680	4060	2370
23	e4750	4960	3920	4830	4790	e3790	e15400	e4010	6910	3980	4090	2440
24	e4770	4940	4220	4840	4710	e3500	e12200	e3690	6370	3910	3890	3440
25	e5120	4890	4120	5430	4620	e3440	e9420	e3580	6050	4050	3700	3830
26	e4990	4970	4160	4830	4530	e3670	e6710	e3510	6150	4110	4010	4150
27	e5160	4370	4440	5050	4520	e2780	e5810	e3620	5930	4220	4150	4060
28	e4790	3640	4910	5040	e4680	e4860	e5120	e3610	5250	4070	4180	4080
29	e4570	3820	5130	4830	4610	e8660	e4650	e3470	4590	4140	4160	4010
30	e4890	3730	5220	4800	---	e7530	e4740	2940	4670	e4010	4180	4200
31	e5330	---	5270	4790	---	e6040	---	2920	---	4160	3880	---
TOTAL	144730	138870	128270	152870	140250	135120	151420	112060	108350	131420	125000	109010
MEAN	4669	4629	4138	4931	4836	4359	5047	3615	3612	4239	4032	3634
MAX	8060	5210	5270	5430	5120	8660	15400	4710	6910	6670	4450	4200
MIN	3930	3640	3520	4130	4520	2780	2630	2920	1950	3280	3620	2370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 1992, BY WATER YEAR (WY)

MEAN	3432	3582	3571	3539	3698	4160	7161	9158	4899	3529	3313	3322
MAX	9319	9740	12510	7684	6783	15070	16080	22160	13600	7098	6428	10140
(WY)	1955	1908	1974	1970	1970	1936	1983	1974	1984	1973	1976	1954
MIN	1122	744	749	1070	1624	1525	2627	2192	1638	1954	2309	1829
(WY)	1909	1909	1909	1909	1972	1985	1981	1980	1988	1988	1941	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1908 - 1992	
ANNUAL TOTAL	1816410		1577370			
ANNUAL MEAN	4976		4310		4449	
HIGHEST ANNUAL MEAN					7163	1974
LOWEST ANNUAL MEAN					2613	1980
HIGHEST DAILY MEAN	22500	Apr 10	15400	Apr 23	62000	Jun 1 1984
LOWEST DAILY MEAN	1600	Aug 13	1950	Jun 11	110	Dec 25 1947
ANNUAL SEVEN-DAY MINIMUM	1970	Aug 4	2190	Jun 8	587	Nov 18 1908
INSTANTANEOUS PEAK FLOW			15600	Apr 23	65200	Jun 1 1984
INSTANTANEOUS PEAK STAGE			10.37	Apr 23	15.61	Jun 1 1984
10 PERCENT EXCEEDS	6830		5120		7640	
50 PERCENT EXCEEDS	4320		4150		3460	
90 PERCENT EXCEEDS	2380		3170		2190	

e Estimated

01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'09", long 69°57'20", Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.
DRAINAGE AREA.--353 mi2.
PERIOD OF RECORD.--Discharge: November and December 1901, June 1902 to April 1907, August 1925 to current year. Monthly discharge only for some periods, published in WSP 1301.
Chemical analyses: Water years 1953-54, 1961.
REVISED RECORDS.--WSP 1231: 1904-07, 1928(M), 1932(M), 1936(M), 1938(M), 1944(M), 1950(M). WDR ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 302.9 ft, revised, above National Geodetic Vertical Datum of 1929. Nov. 1, 1901 to May 5, 1907, nonrecording gage 1 mi upstream at different datum.
REMARKS.--Estimated daily discharges: Dec. 3 to Mar. 29. Records good except for period of ice effect, Dec. 3 to Mar. 29, which is 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 ft^3/s, Apr. 1, 1987, gage height, 26.66 ft, from rating extended above 27,000 ft^3/s on basis of slope-area measurements; maximum gage height, 27.78 ft, Feb. 21, 1978 (ice jam); minimum discharge, 18 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 29	---	*[a]8,900	*[b]20.14	No other peak greater than base discharge.			

Minimum discharge, 97 ft3/s, Aug. 27, gage height, 2.84 ft.
a estimated daily discharge
b backwater from ice

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	277	554	630	e233	e270	e290	1590	1190	247	293	637	348
2	271	1300	622	e225	e255	e265	1510	1210	296	267	676	284
3	268	1000	e435	e220	e240	e245	1530	1090	278	245	443	253
4	246	725	e350	e220	e230	e230	1350	1210	244	243	365	773
5	226	609	e320	e300	e220	e225	1360	999	225	383	730	723
6	337	513	e290	e740	e215	e240	1360	763	407	859	742	494
7	3910	448	e270	e600	e205	e265	1480	690	1370	851	456	413
8	2130	434	e260	e470	e195	e290	1760	671	859	606	326	359
9	1240	408	e250	e410	e190	e400	1760	797	692	599	283	328
10	854	355	e240	e355	e185	e680	1860	1020	651	1020	274	291
11	698	537	e235	e330	e180	e1050	1900	910	471	591	264	372
12	698	1320	e230	e300	e175	e4500	1240	825	314	450	236	378
13	961	1010	e240	e280	e170	e2600	915	789	277	454	211	281
14	742	778	e420	e300	e170	e2100	842	908	260	559	189	257
15	610	593	e715	e590	e168	e1600	850	796	255	469	204	247
16	947	708	e610	e570	e185	e1100	874	633	220	401	224	222
17	1650	864	e510	e440	e210	e900	945	578	209	328	213	220
18	1720	711	e475	e350	e245	e760	841	558	196	353	219	208
19	1510	607	e440	e290	e300	e660	990	517	185	450	302	195
20	1000	728	e415	e260	e390	e600	1670	454	179	498	307	198
21	707	976	e385	e235	e560	e540	3100	417	412	444	229	188
22	614	807	e365	e220	e520	e505	4980	393	2750	368	207	190
23	577	1290	e345	e210	e495	e475	4550	363	2080	298	184	486
24	520	1970	e330	e230	e475	e450	3410	347	1340	280	167	405
25	461	2110	e310	e600	e450	e435	3530	419	834	260	165	294
26	445	1510	e295	e690	e435	e420	2370	356	757	240	136	248
27	429	1000	e280	e440	e380	e1500	1760	324	628	232	103	262
28	454	714	e270	e380	e340	e4300	1350	307	423	219	1620	292
29	423	671	e260	e340	e315	e8900	1270	288	360	200	826	254
30	372	629	e250	e310	---	3920	1460	263	322	187	804	223
31	365	---	e240	e290	---	2340	---	245	---	179	473	---
TOTAL	25662	25879	11287	11428	8368	42785	54407	20330	17741	12826	12215	9686
MEAN	828	863	364	369	289	1380	1814	656	591	414	394	323
MAX	3910	2110	715	740	560	8900	4980	1210	2750	1020	1620	773
MIN	226	355	230	210	168	225	841	245	179	179	103	188
CFSM	2.35	2.44	1.03	1.04	.82	3.91	5.14	1.86	1.68	1.17	1.12	.91
IN.	2.70	2.73	1.19	1.20	.88	4.51	5.73	2.14	1.87	1.35	1.29	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1992, BY WATER YEAR (WY)

MEAN	503	764	604	356	325	825	2313	1606	598	301	231	239
MAX	2606	2492	3565	1617	1922	4750	3863	3694	1844	1229	1124	1768
(WY)	1978	1964	1974	1978	1970	1936	1958	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1903 - 1992	
ANNUAL TOTAL	273501		252614			
ANNUAL MEAN	749		690		723	
HIGHEST ANNUAL MEAN					1193	1974
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	10300	Aug 20	8900	Mar 29	36000	Apr 1 1987
LOWEST DAILY MEAN	62	Jul 31	103	Aug 27	27	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	64	Jul 29	170	Aug 21	32	Aug 22 1949
INSTANTANEOUS PEAK FLOW					50700	Apr 1 1987
INSTANTANEOUS PEAK STAGE			20.14	Mar 29	27.78	Feb 21 1978
INSTANTANEOUS LOW FLOW			97	Aug 27	18	Oct 29 1929
ANNUAL RUNOFF (CFSM)	2.12		1.96		2.05	
ANNUAL RUNOFF (INCHES)	28.82		26.62		27.81	
10 PERCENT EXCEEDS	1640		1470		1750	
50 PERCENT EXCEEDS	420		423		312	
90 PERCENT EXCEEDS	110		219		99	

e Estimated

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 mi^2.
PERIOD OF RECORD.--Discharge: November 1928 to September 1979, June 1987 to current year.
Chemical analyses: Water year 1954.
REVISED RECORDS.--WSP 756: 1933. WSP 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. 16-20, Dec. 4 to Mar. 12 and Mar. 27-28. Records good except for period of missing gage-height record Nov. 16-20 and periods of ice effect, Dec. 4 to Mar. 12 and Mar. 27-28, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft^3/s, Mar. 19, 1936, gage height, 16.75 ft, from rating curve extended above 15,000 ft^3/s on basis of records at nearby stations and slope-area measurement at gage-height 19.95 ft; maximum gage height, 18.89 ft, Feb. 12, 1979, from floodmark (backwater from ice); minimum discharge, 32 ft^3/s, Sep. 22-26, 1939, gage height, 2.15 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1, 1987 reached a stage of 19.25 ft, present datum, from floodmarks, discharge, 51,100 ft^3/s, from rating curve extended as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base discharge of 6,000 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 11	2315	ice jam	*11.94	Mar. 29	1000	*19,300	11.79
Mar. 12	1345	9,580	8.91	Apr. 22	0845	6,030	7.63

Minimum discharge, 117 ft^3/sec, Sept. 22, gage height, 2.87 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	444	668	926	e404	e372	e390	2480	1700	248	231	275	200
2	416	1310	899	e395	e352	e378	2640	1680	284	225	816	167
3	420	1180	749	e388	e336	e370	2510	1580	326	213	440	152
4	397	930	e540	e384	e321	e363	2190	1560	277	202	325	176
5	363	790	e510	e580	e305	e356	2170	1350	240	256	748	598
6	359	701	e475	e1220	e295	e352	2070	1180	401	742	644	372
7	3910	649	e448	e1100	e283	e370	2270	1040	1950	1140	389	266
8	2110	607	e430	e740	e278	e423	2450	941	1210	618	288	220
9	1260	557	e407	e540	e273	e620	2710	937	889	465	239	197
10	968	507	e390	e442	e263	e1200	2410	1040	612	758	228	182
11	811	704	e375	e374	e258	e2210	2450	1060	460	646	241	182
12	777	2240	e362	e333	e252	e8140	1810	921	370	447	218	272
13	1160	1590	e353	e320	e246	4850	1490	842	316	357	189	248
14	928	1190	e740	e450	e242	2820	1330	844	278	358	169	193
15	748	891	e1180	e1190	e240	2020	1350	839	249	357	165	167
16	958	e922	e970	e1100	e258	1540	1430	708	225	340	171	151
17	2340	e1170	e820	e685	e290	1290	1530	627	201	288	196	140
18	1990	e900	e740	e458	e350	1090	1370	582	185	256	194	133
19	1830	e816	e675	e345	e445	960	1630	545	171	311	227	128
20	1310	e800	e630	e290	e620	856	2380	500	163	458	313	123
21	1050	843	e595	e253	e925	789	3320	457	278	445	281	120
22	934	831	e570	e237	e790	731	5340	418	1330	314	223	121
23	833	1550	e545	e223	e685	681	5280	380	1990	256	190	182
24	747	2580	e515	e452	e590	651	4340	348	850	221	168	462
25	683	2900	e495	e1000	e510	608	4990	373	593	207	151	297
26	651	1920	e477	e758	e463	612	3330	396	575	191	141	221
27	617	1400	e465	e580	e425	e2500	2470	341	439	175	133	203
28	628	1160	e450	e510	e413	e7700	2090	318	343	163	126	227
29	608	1070	e436	e462	e402	11800	1850	300	304	156	247	229
30	535	983	e423	e426	---	5120	1750	279	263	149	263	191
31	542	---	e415	e395	---	3230	---	256	---	142	268	---
TOTAL	31327	34359	18005	17034	11482	65020	75430	24342	16020	11087	8666	6520
MEAN	1011	1145	581	549	396	2097	2514	785	534	358	280	217
MAX	3910	2900	1180	1220	925	11800	5340	1700	1990	1140	816	598
MIN	359	507	353	223	240	352	1330	256	163	142	126	120
CFSM	1.97	2.23	1.13	1.07	.77	4.08	4.89	1.53	1.04	.70	.54	.42
IN.	2.27	2.49	1.30	1.23	.83	4.71	5.46	1.76	1.16	.80	.63	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

MEAN	572	968	837	534	496	1225	3421	1981	753	362	260	282
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	109	72.9	56.3
(WY)	1948	1979	1979	1948	1948	1956	1957	1941	1941	1965	1949	1955

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	366303		319292			
ANNUAL MEAN	1004		872		976	
HIGHEST ANNUAL MEAN					1583	1974
LOWEST ANNUAL MEAN					436	1941
HIGHEST DAILY MEAN	12200	Apr 22	11800	Mar 29	31400	Mar 27 1953
LOWEST DAILY MEAN	75	Aug 3	120	Sep 21	32	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	84	Jul 30	131	Sep 16	33	Sep 19 1939
INSTANTANEOUS PEAK FLOW			19300	Mar 29	38600	Mar 19 1936
INSTANTANEOUS PEAK STAGE			11.94	Mar 11	18.89	Feb 12 1979
INSTANTANEOUS LOW FLOW			117	Sep 22	32	Sep 22 1939
ANNUAL RUNOFF (CFSM)	1.95		1.70		1.90	
ANNUAL RUNOFF (INCHES)	26.51		23.11		25.79	
10 PERCENT EXCEEDS	2270		2000		2470	
50 PERCENT EXCEEDS	505		470		426	
90 PERCENT EXCEEDS	148		195		113	

e Estimated

01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

LOCATION.--Lat 44°43'00", long 69°24'56", Somerset County, Hydrologic Unit 01030003, on right bank 1.7 mi upstream from Twentyfive Mile Stream and 5.0 mi south of Pittsfield.
DRAINAGE AREA.--572 mi^2.
PERIOD OF RECORD.--Discharge: November 1928 to current year.
Chemical analyses: Water year 1952-53.
REVISED RECORDS.--WDR ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 133.94 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Dec. 19, 20, Jan. 16-19, Feb. 6, 7, 9-13, Feb. 29 to Mar. 2, and June 19-23. Records good except for periods of ice effect Dec. 19, 20, Jan. 16-19, Feb. 6, 7, 9-13, and Feb. 29 to Mar 2, and period of doubtful gage-height record, June 19-23, which is 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 ft^3. 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 ft^3/s, Apr. 3, 1987, gage height, 15.53 ft; minimum daily, 4.5 ft^3/s, Nov. 10, 1956.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,780 ft^3/s, Mar. 30, gage-height, 7.92 ft, minimum daily, 24 ft^3/s, June 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1780	780	2090	372	586	e416	5150	1100	202	94	184	88
2	1490	723	1910	332	576	e427	4740	944	176	88	150	64
3	1320	780	1560	382	475	423	4290	914	111	102	128	81
4	1230	811	1250	353	473	427	3760	940	184	98	139	79
5	1020	803	1070	597	475	401	3410	917	136	88	180	66
6	644	781	1110	1590	e476	324	3200	879	106	72	205	65
7	952	710	1140	2370	e446	367	3040	830	222	51	209	52
8	1260	667	1140	2480	466	470	2830	781	161	91	196	105
9	1410	553	1160	2240	e354	478	2670	744	156	163	183	354
10	1450	554	1150	1900	e287	574	2620	729	149	215	180	626
11	1410	657	905	1730	e376	1490	2620	696	247	255	151	640
12	1600	976	746	1590	e391	3680	2540	603	349	275	157	656
13	1910	1350	718	1360	e299	4450	2410	545	156	277	139	582
14	1640	1390	737	1050	406	4410	2280	307	218	301	134	573
15	1200	1360	834	905	329	3880	2140	210	256	305	122	662
16	861	1310	895	e934	471	3330	2020	345	185	262	118	779
17	993	1260	799	e916	430	2860	1940	400	180	271	112	836
18	1110	1190	708	e899	418	2280	1780	387	168	276	118	876
19	1210	1100	e314	e833	523	1700	1570	403	e138	238	117	1100
20	1270	1020	e204	755	606	1390	1530	384	e109	240	120	1040
21	1270	930	398	668	669	1110	1480	314	e138	248	107	827
22	1250	853	481	483	636	825	1440	321	e120	239	103	702
23	1190	961	470	526	635	776	1830	302	e110	200	99	707
24	1110	1330	463	691	647	750	2130	291	305	191	94	678
25	1020	1670	470	1160	615	715	2370	294	167	170	94	566
26	939	1840	477	1230	579	691	2490	189	24	170	113	525
27	871	1860	454	1050	547	912	2470	219	27	90	107	513
28	852	2060	431	916	568	2600	2220	264	78	104	84	503
29	827	2230	437	833	e476	4110	1960	191	113	208	66	483
30	799	2220	425	724	---	5200	1570	187	104	129	73	380
31	777	---	412	629	---	5420	---	245	---	103	89	---
TOTAL	36665	34729	25358	32498	14235	56886	76500	15875	4795	5614	4071	15208
MEAN	1183	1158	818	1048	491	1835	2550	512	160	181	131	507
MAX	1910	2230	2090	2480	669	5420	5150	1100	349	305	209	1100
MIN	644	553	204	332	287	324	1440	187	24	51	66	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

MEAN	472	922	1053	693	671	1299	3382	1457	645	340	292	393
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	93.1	303	882	360	160	74.1	53.5	62.1
(WY)	1979	1953	1930	1989	1980	1967	1981	1985	1992	1983	1982	1982

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	363198		322434			
ANNUAL MEAN	995		881		964	
HIGHEST ANNUAL MEAN					1645	1954
LOWEST ANNUAL MEAN					437	1985
HIGHEST DAILY MEAN	5220	Apr 12	5420	Mar 31	17200	Apr 3 1987
LOWEST DAILY MEAN	39	Jun 14	24	Jun 26	4.5	Nov 10 1956
ANNUAL SEVEN-DAY MINIMUM	81	Jul 29	71	Sep 1	6.6	Nov 6 1965
INSTANTANEOUS PEAK FLOW			5780	Mar 30	17600	Apr 3 1987
INSTANTANEOUS PEAK STAGE			7.92	Mar 30	15.53	Apr 3 1987
10 PERCENT EXCEEDS	2380		2100		2470	
50 PERCENT EXCEEDS	720		600		500	
90 PERCENT EXCEEDS	132		111		122	

e Estimated

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 mi^2.
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. 1-6, Oct. 22 to Nov. 23, Nov. 29 to Mar. 9, and Apr. 4 to Sept. 30. Records good except for period of ice effect, Dec. 7 to Mar. 9, 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 ft^3/s, Apr. 2, 1987, gage height, 39.31 ft; minimum daily, 1,160 ft^3/s, July 7, 1988, caused by unusual regulation.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 56,600 ft^3/s, Mar. 29, gage height, 18.77 ft; minimum daily, 3,480 ft^3/s, June 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7740	e8280	e9470	e7240	e6850	e6200	22100	e11700	e4690	e5950	e5930	e5290
2	e7610	e11000	e9120	e7240	e6790	e6430	20100	e11200	e4580	e5350	e7900	e4980
3	e7120	e10300	e8420	e7070	e6570	e6460	17700	e10600	e4710	e4890	e6730	e5000
4	e6980	e9120	e7440	e6930	e6630	e6310	e15000	e10600	e4550	e4690	e6470	e5250
5	e6660	e8680	e7440	e8170	e6580	e6450	e14500	e9800	e4490	e4730	e7970	e6270
6	e6410	e8080	e7460	e11700	e6460	e6430	e13800	e8930	e5080	e6650	e7700	e5510
7	15300	e7730	e7340	e11600	e6520	e6520	e14200	e8010	e10500	e8410	e6370	e5110
8	20600	e7680	e7420	e9680	e6540	e6730	e14800	e7250	e7530	e6940	e5510	e5100
9	13400	e7290	e7450	e8620	e6420	e7230	e15600	e7940	e6180	e6390	e5260	e5030
10	9930	e7160	e7380	e8590	e6180	10300	e16000	e8130	e5110	e8030	e5610	e5260
11	8130	e8830	e7200	e8360	e6320	20000	e16600	e8500	e4560	e6910	e5540	e5400
12	8270	e15300	e6830	e7760	e6440	37100	e13500	e7520	e4170	e6290	e5450	e5590
13	8760	e13000	e6950	e7840	e6170	28500	e12000	e7260	e3880	e5930	e5370	e5440
14	8800	e11000	e8300	e7490	e6370	21000	e11600	e7460	e4100	e6320	e5330	e5300
15	7920	e9510	e9400	e11200	e6260	17700	e11100	e7250	e4810	e7720	e5300	e5380
16	8140	e9650	e8660	e10000	e6500	14300	e11000	e6620	e4620	e8520	e5330	e5430
17	11600	e10600	e7810	e8150	e6510	14000	e11300	e6510	e4500	e7540	e5500	e5330
18	10800	e9930	e7410	e7630	e6640	12300	e10100	e6880	e4470	e7080	e5470	e5330
19	11200	e9550	e6980	e7260	e6950	11300	e10500	e7060	e3710	e6750	e5430	e5570
20	10400	e8570	e6790	e6760	e7440	10100	e13300	e7020	e3480	e6610	e5630	e5400
21	8930	e8940	e6920	e6720	e8110	9890	e18600	e6660	e4450	e6500	e5690	e6290
22	e8790	e9200	e7000	e6480	e7860	7930	e33000	e6420	e10900	e5670	e5390	e4970
23	e8570	e12000	e6830	e6420	e7600	7860	e37400	e6260	e17100	e5310	e5270	e4730
24	e8870	14000	e6940	e7200	e7410	5700	e33700	e5540	e12500	e5440	e5170	e5110
25	e8380	15600	e6670	e9070	e7130	6610	e33600	e5490	e9850	e5200	e5000	e4510
26	e8050	13600	e6440	e8640	e6900	8040	e23600	e5370	e8350	e5240	e4750	e5430
27	e7950	10800	e6740	e7980	e6760	13300	e19000	e5230	e8260	e5190	e4930	e5650
28	e8520	9140	e6970	e7590	e6740	30700	e16300	e5560	e6910	e4980	e6530	e5710
29	e7430	e9790	e7220	e7370	e6620	50600	e13900	e4840	e6430	e4950	e6050	e5720
30	e7140	e9760	e7390	e7160	---	38500	e13200	e4720	e6080	e5030	e6410	e5430
31	e7490	---	e7190	e6960	---	26500	---	e4670	---	e4820	e5830	---
TOTAL	285890	304090	231580	250880	196270	460990	527100	227000	190550	190030	180820	160520
MEAN	9222	10140	7470	8093	6768	14870	17570	7323	6352	6130	5833	5351
MAX	20600	15600	9470	11700	8110	50600	37400	11700	17100	8520	7970	6290
MIN	6410	7160	6440	6420	6170	5700	10100	4670	3480	4690	4750	4510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1992, BY WATER YEAR (WY)

MEAN	7031	8963	8062	6326	6615	11360	21400	14380	9277	5101	5027	5473
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	3769
(WY)	1979	1985	1985	1985	1980	1989	1981	1985	1988	1980	1987	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1979 - 1992	
ANNUAL TOTAL	3529450		3205720			
ANNUAL MEAN	9670		8759		9079	
HIGHEST ANNUAL MEAN					13730	1984
LOWEST ANNUAL MEAN					5617	1985
HIGHEST DAILY MEAN	50100	Apr 10	50600	Mar 29	186000	Apr 2 1987
LOWEST DAILY MEAN	2970	Jul 31	3480	Jun 20	1160	Jul 7 1988
ANNUAL SEVEN-DAY MINIMUM	3150	Jul 30	4240	Jun 14	2270	Sep 2 1987
INSTANTANEOUS PEAK FLOW			56600	Mar 29	232000	Apr 2 1987
INSTANTANEOUS PEAK STAGE			18.77	Mar 29	39.31	Apr 2 1987
10 PERCENT EXCEEDS	18700		13800		17500	
50 PERCENT EXCEEDS	7430		7190		6120	
90 PERCENT EXCEEDS	3680		5090		3800	

e Estimated

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

PERIOD OF RECORD.--Water years 1978 to current year.

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 microsiemens, July 13, 1979; minimum, 30 microsiemens, 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 1991 TO SEPTEMBER 1992

DATE	TIME	STREAM FLOW INSTANT-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 (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												
05...	1200	E 8,680	65	7.3	1.0	9.0	2.2	765	11.0	95	140	370
DEC												
02...	1130	9,360	64	7.3	5.5	4.0	1.3	760	13.6	104	100	K 40
FEB												
10...	1400	E 6,180	72	7.2	-12.0	0.0	1.2	773	14.4	97	48	K 26
APR												
16...	1045	E 11,000	60	7.2	8.0	3.5	2.5	768	13.6	101	K 30	K 37
JUN												
18...	1110	4,100	68	7.1	22.0	21.0	1.5	766	8.2	91	74	K 26
AUG												
12...	1015	E 5,450	54	7.2	17.0	21.5	1.4	758	8.4	97	K 14	40

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											
05...	19	5.7	1.1	5.2	0.8	17	0.0	14	5.9	5.5	<0.1
DEC											
02...	20	5.9	1.2	5.0	0.6	17	0.0	14	5.9	5.0	<0.1
FEB											
10...	22	6.4	1.4	4.6	0.5	20	0.0	16	6.0	5.9	<0.1
APR											
16...	19	5.7	1.2	3.8	0.8	17	0.0	14	5.5	4.0	<0.1
JUN											
18...	16	4.9	1.0	6.6	0.7	17	0.0	14	5.9	6.6	<0.1
AUG											
12...	16	4.6	1.0	4.0	0.5	14	0.0	11	6.8	3.0	<0.1

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 RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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										
05...	4.8	46	38	0.01	<0.01	0.10	0.11	0.02	<0.01	--
DEC										
02...	4.7	33	37	0.01	0.01	0.12	0.12	0.04	0.02	0.03
FEB										
10...	4.6	54	39	0.01	<0.01	0.18	0.18	0.04	0.04	0.05
APR										
16...	4.4	46	34	<0.01	<0.01	0.19	0.17	0.02	0.02	0.03
JUN										
18...	3.5	46	38	<0.01	<0.01	0.09	0.09	0.03	0.03	0.04
AUG										
12...	3.5	47	30	<0.01	<0.01	0.09	0.08	<0.01	<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										
05...	0.3	0.02	<0.01	<0.01	0.02	50	4	<3	87	<4
DEC										
02...	0.2	0.02	0.02	0.01	<0.01	--	--	--	--	--
FEB										
10...	0.2	0.02	0.02	<0.01	<0.01	40	4	<3	68	5
APR										
16...	<0.2	0.02	<0.01	<0.01	0.01	50	3	<3	68	<4
JUN										
18...	0.3	0.03	<0.01	0.01	0.03	--	--	--	--	--
AUG										
12...	<0.2	0.02	<0.01	0.02	<0.01	60	3	<3	66	<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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
05...	14	<10	1	<1	<1	28	<6	2	47	80
DEC										
02...	--	--	--	--	--	--	--	4	101	84
FEB										
10...	17	<10	1	<1	<1	30	<6	5	83	45
APR										
16...	18	<10	<1	<1	<1	29	<6	6	178	62
JUN										
18...	--	--	--	--	--	--	--	8	89	66
AUG										
12...	4	<10	<1	<1	<1	22	<6	4	59	74

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	55	38	42
2	---	---	---	---	---	---	---	---	---	58	54	55
3	---	---	---	---	---	---	---	---	---	60	56	58
4	---	---	---	---	---	---	---	---	---	66	56	61
5	---	---	---	---	---	---	---	---	---	61	58	59
6	---	---	---	---	---	---	---	---	---	58	57	58
7	---	---	---	---	---	---	---	---	---	63	58	60
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	66	60	62
16	---	---	---	---	---	---	---	---	---	84	57	66
17	---	---	---	---	---	---	---	---	---	88	83	85
18	---	---	---	---	---	---	---	---	---	88	84	86
19	---	---	---	---	---	---	---	---	---	72	62	66
20	---	---	---	---	---	---	---	---	---	66	57	61
21	---	---	---	---	---	---	---	---	---	61	56	58
22	---	---	---	---	---	---	---	---	---	61	56	58
23	---	---	---	---	---	---	---	---	---	57	54	56
24	---	---	---	---	---	---	---	---	---	60	54	56
25	---	---	---	---	---	---	---	---	---	60	55	58
26	---	---	---	---	---	---	---	---	---	60	56	58
27	---	---	---	---	---	---	---	---	---	60	58	59
28	---	---	---	---	---	---	---	---	---	62	57	59
29	---	---	---	---	---	---	---	---	---	65	57	59
30	---	---	---	---	---	---	---	---	---	63	58	60
31	---	---	---	---	---	---	---	---	---	66	58	60
MONTH	---	---	---	---	---	---	---	---	---	88	38	61

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	69	66	67	58	56	57	59	47	54	59	53	56
2	70	67	68	58	56	57	52	45	49	56	53	54
3	68	64	66	61	52	56	51	45	47	56	55	56
4	69	67	68	62	54	58	52	48	50	57	52	54
5	78	67	71	67	58	62	58	45	53	55	52	53
6	71	66	68	68	55	62	58	48	53	57	53	55
7	70	61	65	65	55	61	53	45	49	53	52	52
8	64	57	60	62	54	59	52	41	47	54	52	52
9	70	55	62	74	51	65	54	49	51	62	52	56
10	67	63	64	72	62	69	55	51	53	64	59	61
11	71	67	68	77	52	66	53	51	52	65	60	62
12	78	71	75	63	51	58	51	50	51	59	57	58
13	78	75	76	66	50	57	55	51	53	59	55	56
14	80	74	77	59	50	55	57	48	53	61	56	57
15	81	75	77	56	46	52	55	53	54	65	60	62
16	78	73	76	52	43	47	57	54	56	60	57	59
17	73	68	69	48	42	46	58	55	56	68	58	64
18	72	67	70	55	46	50	58	51	56	58	49	53
19	69	65	67	52	48	49	57	50	53	65	59	62
20	75	70	72	52	49	50	55	48	52	77	64	71
21	74	57	68	53	51	52	48	44	46	78	66	74
22	87	57	72	52	50	51	50	44	46	66	59	62
23	78	45	55	57	48	52	49	46	47	67	57	63
24	47	43	45	58	49	53	49	47	48	62	56	58
25	46	42	44	59	52	55	59	48	54	71	63	68
26	53	46	50	55	51	53	61	57	59	69	60	65
27	54	52	53	57	47	52	68	61	64	69	58	62
28	54	52	53	57	51	54	69	63	66	68	62	65
29	57	52	54	57	53	55	62	53	57	65	52	59
30	60	55	56	58	45	52	52	47	49	70	59	66
31	---	---	---	58	50	55	56	51	52	---	---	---
MONTH	87	42	65	77	42	55	69	41	53	78	49	60
PERIOD	**88**	**38**	**58**									

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	7.2	7.3	7.0	6.9	6.9	7.1	6.9	7.0	7.3	7.0	7.2
2	7.4	7.2	7.3	7.1	6.9	7.0	7.3	7.0	7.1	7.3	7.0	7.1
3	7.4	7.2	7.3	7.3	6.9	7.0	7.3	7.0	7.1	7.4	7.0	7.2
4	7.3	7.0	7.2	6.9	6.9	6.9	7.2	7.1	7.1	7.3	7.0	7.1
5	7.2	7.0	7.1	7.0	6.8	6.9	7.3	7.0	7.2	7.4	7.0	7.2
6	7.1	7.0	7.0	7.0	6.8	6.9	7.3	7.1	7.2	7.3	7.1	7.2
7	7.1	7.0	7.1	7.0	6.9	6.9	7.4	7.1	7.2	7.3	7.0	7.2
8	7.1	7.0	7.0	7.0	6.9	6.9	7.4	7.1	7.2	7.3	7.0	7.1
9	7.2	7.0	7.1	7.0	6.8	6.9	7.2	7.0	7.1	7.4	7.0	7.1
10	7.3	7.0	7.1	7.1	6.9	7.0	7.2	7.0	7.1	7.3	7.0	7.1
11	7.4	7.0	7.1	7.0	6.9	7.0	7.4	7.0	7.2	7.3	7.0	7.1
12	7.4	7.0	7.2	7.0	6.9	7.0	7.4	7.1	7.2	7.3	7.0	7.1
13	7.3	7.0	7.1	7.1	6.9	6.9	7.5	7.0	7.2	7.4	7.0	7.2
14	7.3	6.9	7.1	7.0	6.9	6.9	7.2	7.0	7.1	7.4	7.0	7.2
15	7.2	6.9	7.1	7.1	6.9	7.0	7.3	6.9	7.1	7.5	7.1	7.2
16	7.4	7.0	7.2	7.2	6.9	7.1	7.2	7.0	7.1	7.5	7.0	7.2
17	7.3	7.0	7.1	7.2	7.0	7.1	7.3	7.0	7.1	7.4	7.0	7.2
18	7.2	7.0	7.1	7.2	7.0	7.1	7.1	7.0	7.1	7.5	7.0	7.2
19	7.2	6.8	7.0	7.2	7.0	7.1	7.4	7.0	7.1	7.4	7.0	7.2
20	7.2	6.8	7.0	7.3	7.0	7.1	7.4	6.9	7.1	7.4	7.0	7.2
21	7.1	6.8	6.9	7.3	7.0	7.1	7.4	7.0	7.2	7.3	7.0	7.1
22	7.0	6.8	6.9	7.3	7.0	7.2	7.5	7.1	7.2	7.1	7.0	7.1
23	7.0	6.9	7.0	7.4	7.0	7.1	7.5	7.0	7.2	7.3	6.9	7.1
24	7.0	6.9	6.9	7.5	7.0	7.2	7.5	7.1	7.3	7.5	7.0	7.2
25	6.9	6.8	6.9	7.5	7.1	7.3	7.7	7.1	7.3	7.5	7.0	7.2
26	6.9	6.8	6.9	7.5	7.0	7.2	7.6	7.1	7.3	7.3	7.0	7.1
27	7.0	6.8	6.9	7.1	7.0	7.1	7.4	7.0	7.1	7.2	7.0	7.1
28	7.0	6.9	6.9	7.3	7.0	7.1	7.1	7.0	7.0	7.3	7.1	7.1
29	7.0	6.9	6.9	7.5	7.0	7.2	7.3	7.0	7.1	7.3	7.1	7.1
30	7.0	6.9	6.9	7.4	7.0	7.2	7.4	7.1	7.2	7.2	7.0	7.1
31	---	---	---	7.2	7.0	7.1	7.4	7.1	7.2	---	---	---
MONTH	7.4	6.8	7.1	7.5	6.8	7.0	7.7	6.9	7.2	7.5	6.9	7.1
PERIOD	**7.7**	**6.8**	**7.1**									

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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	---	---	---	---	---	---	---	---	---	9.5	8.5	8.5
3	---	---	---	---	---	---	---	---	---	10.0	8.5	9.0
4	---	---	---	---	---	---	---	---	---	9.5	8.5	9.0
5	---	---	---	---	---	---	---	---	---	9.0	8.5	8.5
6	---	---	---	---	---	---	---	---	---	9.5	8.0	8.5
7	---	---	---	---	---	---	---	---	---	11.5	9.0	10.0
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	15.0	13.0	14.0
16	---	---	---	---	---	---	---	---	---	15.0	13.5	14.0
17	---	---	---	---	---	---	---	---	---	15.5	14.0	15.0
18	---	---	---	---	---	---	---	---	---	15.5	14.5	15.0
19	---	---	---	---	---	---	---	---	---	16.0	14.5	15.0
20	---	---	---	---	---	---	---	---	---	16.0	14.5	15.0
21	---	---	---	---	---	---	---	---	---	17.0	15.0	16.0
22	---	---	---	---	---	---	---	---	---	17.0	15.5	16.5
23	---	---	---	---	---	---	---	---	---	17.5	15.5	16.0
24	---	---	---	---	---	---	---	---	---	16.5	15.5	16.0
25	---	---	---	---	---	---	---	---	---	16.0	15.0	15.5
26	---	---	---	---	---	---	---	---	---	17.0	15.0	16.0
27	---	---	---	---	---	---	---	---	---	17.0	15.0	16.0
28	---	---	---	---	---	---	---	---	---	17.0	15.5	16.0
29	---	---	---	---	---	---	---	---	---	17.5	15.5	16.0
30	---	---	---	---	---	---	---	---	---	18.0	14.5	16.0
31	---	---	---	---	---	---	---	---	---	17.5	15.5	16.5
MONTH	---	---	---	---	---	---	---	---	---	18.0	7.5	13.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	15.5	16.0	21.0	20.0	20.5	21.0	20.5	21.0	21.5	20.0	21.0
2	17.5	15.5	16.5	21.0	19.5	20.0	21.5	20.0	20.5	21.0	20.0	20.5
3	18.5	16.0	17.0	22.0	19.5	20.5	21.5	20.5	21.0	20.5	19.5	20.0
4	19.0	16.5	17.5	20.0	18.5	19.5	21.0	20.5	20.5	19.5	19.0	19.5
5	18.5	17.0	17.5	20.0	18.5	19.0	21.5	20.5	20.5	20.5	19.0	19.5
6	17.0	16.0	16.5	20.0	18.5	19.0	21.5	20.0	21.0	19.5	18.5	19.0
7	17.5	16.0	16.5	20.0	19.0	19.5	22.5	21.0	21.5	19.0	18.5	18.5
8	18.5	17.0	17.5	20.5	19.5	20.0	22.5	21.5	22.0	19.5	18.5	19.0
9	19.5	18.0	18.5	20.0	19.0	19.5	21.5	21.0	21.0	20.0	19.0	19.5
10	19.5	17.5	19.0	20.5	19.0	19.5	22.0	21.0	21.5	20.5	19.0	20.0
11	19.5	17.0	18.5	21.0	20.0	20.5	23.0	21.0	22.0	20.5	19.5	20.0
12	21.0	17.5	19.5	21.0	20.5	20.5	23.0	21.5	22.0	20.0	19.0	19.5
13	21.5	18.5	20.0	21.5	20.5	21.0	22.0	21.0	21.5	20.0	18.5	19.5
14	22.5	19.5	21.0	20.5	20.0	20.0	21.0	20.5	21.0	20.5	19.0	19.5
15	21.5	20.0	20.5	21.0	20.0	20.5	21.0	20.5	20.5	20.5	19.5	20.0
16	22.5	19.5	21.0	21.5	20.5	21.0	21.0	20.5	20.5	21.0	19.0	20.0
17	22.5	19.5	21.0	21.0	20.0	20.5	20.5	20.0	20.5	21.0	19.5	20.5
18	22.0	20.0	21.0	21.0	20.0	20.5	20.5	20.0	20.0	21.0	20.0	20.5
19	22.5	19.5	21.0	21.5	20.5	21.0	21.5	20.0	20.5	21.0	20.0	20.5
20	22.5	20.5	21.5	22.0	21.0	21.0	21.0	20.0	20.5	21.0	19.5	20.0
21	22.0	20.5	21.0	22.0	21.0	21.5	21.0	19.5	20.5	20.5	19.5	20.0
22	21.0	20.5	20.5	22.0	21.0	21.5	22.0	20.0	21.0	20.0	19.5	19.5
23	20.5	19.5	20.0	22.0	21.0	21.0	22.0	20.5	21.0	20.0	19.0	19.5
24	19.0	18.0	18.5	23.0	20.5	21.5	22.5	21.0	21.5	19.0	17.5	18.5
25	18.5	17.5	18.0	23.5	21.5	22.5	23.0	21.5	22.0	19.0	17.0	18.0
26	19.5	18.5	19.0	23.0	22.0	22.0	24.0	22.0	22.5	18.0	16.5	17.0
27	19.5	18.5	19.0	22.0	21.5	21.5	23.0	22.5	22.5	17.5	17.0	17.0
28	20.0	19.0	19.5	22.5	21.0	22.0	23.0	22.5	22.5	18.0	16.5	17.0
29	20.5	19.0	20.0	23.0	21.5	22.0	23.0	22.0	22.5	17.0	16.0	16.5
30	21.0	20.0	20.0	23.0	21.5	22.5	22.5	22.0	22.0	16.5	15.0	16.0
31	---	---	---	22.0	21.0	21.5	22.5	21.5	22.0	---	---	---
MONTH	22.5	15.5	19.0	23.5	18.5	20.5	24.0	19.5	21.5	21.5	15.0	19.0
PERIOD	24.0	7.5	19.0									

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	12.0	11.5	11.8
2	---	---	---	---	---	---	---	---	---	11.8	11.5	11.7
3	---	---	---	---	---	---	---	---	---	11.6	11.1	11.3
4	---	---	---	---	---	---	---	---	---	11.3	11.1	11.2
5	---	---	---	---	---	---	---	---	---	11.6	11.2	11.4
6	---	---	---	---	---	---	---	---	---	11.6	11.3	11.5
7	---	---	---	---	---	---	---	---	---	12.1	11.3	11.6
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	11.7	11.0	11.3
16	---	---	---	---	---	---	---	---	---	11.5	10.9	11.2
17	---	---	---	---	---	---	---	---	---	11.1	10.5	10.9
18	---	---	---	---	---	---	---	---	---	10.9	10.4	10.6
19	---	---	---	---	---	---	---	---	---	11.3	10.6	11.0
20	---	---	---	---	---	---	---	---	---	11.4	10.6	11.1
21	---	---	---	---	---	---	---	---	---	11.0	10.3	10.7
22	---	---	---	---	---	---	---	---	---	10.6	10.1	10.3
23	---	---	---	---	---	---	---	---	---	10.7	10.1	10.4
24	---	---	---	---	---	---	---	---	---	10.4	9.8	10.1
25	---	---	---	---	---	---	---	---	---	11.0	10.1	10.6
26	---	---	---	---	---	---	---	---	---	10.9	10.1	10.5
27	---	---	---	---	---	---	---	---	---	10.8	10.0	10.3
28	---	---	---	---	---	---	---	---	---	10.5	9.8	10.1
29	---	---	---	---	---	---	---	---	---	11.0	9.9	10.5
30	---	---	---	---	---	---	---	---	---	11.1	9.9	10.5
31	---	---	---	---	---	---	---	---	---	10.6	9.7	10.1
MONTH	---	---	---	---	---	---	---	---	---	12.1	9.7	10.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.0	9.4	9.7	8.9	8.5	8.7	8.5	8.1	8.3	9.1	8.5	8.8
2	10.7	9.3	10.0	9.3	8.6	8.9	8.9	8.5	8.7	9.3	8.8	9.0
3	10.6	9.6	10.1	9.6	8.7	9.2	8.8	8.4	8.6	9.4	8.7	9.0
4	10.2	9.1	9.6	9.3	8.6	8.9	8.6	8.4	8.5	9.4	8.7	9.1
5	9.9	8.9	9.3	9.4	8.7	9.1	8.8	8.3	8.6	9.4	8.8	9.1
6	9.6	9.1	9.4	9.4	8.8	9.1	9.0	8.7	8.9	9.4	8.9	9.2
7	9.8	9.2	9.5	9.3	8.9	9.2	8.9	8.6	8.7	9.4	8.8	9.1
8	9.3	8.8	9.0	9.5	9.0	9.3	9.0	8.5	8.8	9.4	8.8	9.1
9	9.2	8.7	8.9	9.2	9.0	9.0	8.7	8.1	8.5	9.5	8.7	9.0
10	9.5	8.5	9.0	9.2	8.8	9.0	8.5	8.0	8.3	9.1	8.7	8.9
11	9.5	8.5	8.9	9.0	8.6	8.8	8.7	8.1	8.3	9.3	8.5	8.8
12	9.3	8.1	8.7	9.2	8.5	8.9	8.8	8.1	8.6	9.6	8.7	9.2
13	8.8	7.6	8.2	9.0	8.4	8.6	9.5	8.6	9.0	9.8	9.1	9.4
14	8.7	7.4	8.1	9.0	8.6	8.8	9.2	8.9	9.0	9.5	8.9	9.2
15	8.8	7.7	8.3	8.8	8.5	8.7	9.3	8.6	9.0	9.5	8.9	9.0
16	9.1	8.0	8.5	9.0	8.5	8.7	9.1	8.8	8.9	9.5	8.7	9.1
17	9.0	8.0	8.4	9.8	9.0	9.5	9.3	8.7	9.0	9.2	8.5	8.7
18	8.6	7.8	8.2	9.5	9.2	9.4	9.0	8.8	8.9	9.3	8.4	8.8
19	8.5	7.8	8.2	9.5	9.2	9.3	9.2	8.5	8.9	9.1	8.2	8.6
20	8.4	7.5	8.0	9.3	8.9	9.1	9.4	8.5	9.1	9.3	8.6	8.9
21	8.7	7.5	8.0	9.0	8.7	8.9	9.4	9.0	9.2	9.1	8.2	8.7
22	8.1	7.7	7.9	9.3	9.0	9.2	9.2	8.7	9.0	8.5	8.0	8.2
23	9.2	8.3	8.8	9.4	8.7	9.1	9.3	8.6	9.0	8.8	7.8	8.2
24	9.7	8.9	9.4	9.2	8.7	9.0	9.2	8.6	8.9	9.4	8.0	8.6
25	9.4	9.1	9.3	9.0	8.5	8.8	9.2	8.5	8.8	9.5	8.5	8.9
26	9.1	8.8	8.9	8.9	8.4	8.6	9.2	8.4	8.7	9.4	8.4	8.9
27	9.3	8.8	9.0	8.5	8.2	8.4	8.8	8.1	8.5	9.0	8.6	8.8
28	9.2	8.8	9.0	8.7	8.2	8.5	8.3	7.9	8.1	9.3	8.6	8.9
29	9.4	8.9	9.1	8.9	8.4	8.6	8.5	7.9	8.1	9.5	8.9	9.2
30	8.9	8.6	8.8	8.9	8.1	8.5	8.9	8.2	8.6	9.3	8.9	9.1
31	---	---	---	8.8	8.1	8.5	8.9	8.4	8.6	---	---	---
MONTH	10.7	7.4	8.9	9.8	8.1	8.9	9.5	7.9	8.7	9.8	7.8	8.9
PERIOD	**12.1**	**7.4**	**9.2**									

01049373 MILL STREAM AT WINTHROP, ME

LOCATION.--Lat 44°18'24", long 69°58'18", Kennebec County, Hydrologic Unit 01030003, on right bank 500 ft downstream from bridge on Main Street, at Winthrop.
DRAINAGE AREA.--32.7 mi^2.
PERIOD OF RECORD.--October 1977 to September 1992 (discontinued).
REVISED RECORDS.--ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 176.42 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Nov. 16 to Jan. 8. Records are good except for period of no gage-height record, Nov. 16 to Jan.8, which is poor. Some regulation at low flow by Maranacook Lake outlet dam 0.3 mi upstream. Several observations of water temperature and specific conductance were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,330 ft^3/s, Apr. 2, 1987, gage height, 6.16 ft, minimum, 1.0 ft^3/s, Dec. 19, 1978, gage height, 0.99 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 291 ft^3/s, Mar. 28, gage height, 3.62 ft, minimum, 7.6 ft^3/s, Sept. 30, gage height, 1.56 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	37	e81	e49	56	50	243	112	25	24	25	15
2	47	38	e77	e47	54	47	230	107	25	20	23	15
3	45	39	e74	e51	50	45	215	104	24	18	27	15
4	44	39	e72	e57	47	42	198	99	24	18	28	15
5	42	37	e70	e63	48	40	187	92	23	18	27	14
6	40	36	e68	e69	46	39	176	87	26	24	25	13
7	47	35	e66	e66	45	40	165	81	25	27	26	13
8	49	34	e63	e64	45	44	157	75	29	28	26	13
9	49	33	e61	63	44	48	157	73	30	30	24	14
10	46	32	e59	62	41	54	159	71	28	30	22	13
11	45	41	e58	60	40	135	149	67	28	27	25	13
12	45	60	e57	59	37	266	146	53	29	25	26	12
13	45	66	e60	56	36	265	132	31	30	25	25	11
14	43	67	e63	60	35	242	123	32	28	25	25	12
15	43	67	e65	73	34	217	116	32	24	25	25	12
16	50	e66	e64	74	42	196	111	30	26	26	23	12
17	55	e65	e63	72	44	177	114	30	29	28	22	11
18	61	e64	e61	69	44	159	112	31	28	27	23	11
19	63	e63	e60	65	51	144	112	31	27	27	23	11
20	63	e61	e59	61	58	131	115	30	30	27	21	11
21	58	e59	e58	58	64	123	118	29	31	33	21	11
22	57	e58	e60	54	65	113	119	30	30	32	21	10
23	55	e68	e56	56	65	103	124	29	27	32	20	9.0
24	54	e81	e54	77	62	94	131	23	26	31	18	8.0
25	54	e96	e52	82	59	88	151	21	27	30	17	8.0
26	54	e99	e50	80	59	81	149	22	27	27	16	8.5
27	53	e98	e48	74	58	128	139	24	25	28	15	9.9
28	50	e93	e46	70	55	222	132	26	22	30	15	9.1
29	41	e89	e45	65	54	282	126	26	23	29	15	8.8
30	39	e85	e48	62	---	279	119	26	27	27	15	7.8
31	36	---	e50	59	---	263	---	26	---	24	14	---
TOTAL	1520	1806	1868	1977	1438	4157	4425	1550	803	822	678	346.1
MEAN	49.0	60.2	60.3	63.8	49.6	134	147	50.0	26.8	26.5	21.9	11.5
MAX	63	99	81	82	65	282	243	112	31	33	28	15
MIN	36	32	45	47	34	39	111	21	22	18	14	7.8
CFSM	1.50	1.84	1.84	1.95	1.52	4.10	4.51	1.53	.82	.81	.67	.35
IN.	1.73	2.05	2.13	2.25	1.64	4.73	5.03	1.76	.91	.94	.77	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1992, BY WATER YEAR (WY)

MEAN	19.3	34.8	56.6	42.7	44.5	91.4	168	97.1	53.6	22.6	16.7	11.4
MAX	90.2	94.0	207	144	103	220	366	232	230	51.9	23.4	26.2
(WY)	1978	1978	1984	1978	1986	1979	1987	1989	1984	1984	1990	1991
MIN	2.74	2.67	2.13	5.89	10.0	32.4	56.8	22.9	13.6	10.4	5.91	3.21
(WY)	1979	1979	1979	1985	1980	1989	1981	1985	1985	1980	1980	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1978 - 1992	
ANNUAL TOTAL	21465		21390.1			
ANNUAL MEAN	58.8		58.4		54.8	
HIGHEST ANNUAL MEAN					96.6	1984
LOWEST ANNUAL MEAN					21.3	1985
HIGHEST DAILY MEAN	224	Apr 23	282	Mar 29	1280	Apr 2 1987
LOWEST DAILY MEAN	13	Aug 20	7.8	Sep 30	1.3	Nov 22 1978
ANNUAL SEVEN-DAY MINIMUM	15	Aug 15	8.6	Sep 24	1.7	Nov 21 1978
INSTANTANEOUS PEAK FLOW			291	Mar 28	1330	Apr 2 1987
INSTANTANEOUS PEAK STAGE			3.62	Mar 28	6.16	Apr 2 1987
INSTANTANEOUS LOW FLOW			7.6	Sep 30	1.0	Dec 19 1978
ANNUAL RUNOFF (CFSM)	1.80		1.79		1.68	
ANNUAL RUNOFF (INCHES)	24.42		24.33		22.78	
10 PERCENT EXCEEDS	132		123		137	
50 PERCENT EXCEEDS	47		45		28	
90 PERCENT EXCEEDS	17		17		6.0	

e Estimated

01049400 COBBOSSEECONTEE LAKE AT EAST WINTHROP, ME

LOCATION.--Lat 44°18'57", long 69°53'48", Kennebec County, Hydrologic Unit 01030003, in Augusta Water District pumping station on Welch Point, on town road at East Winthrop.

DRAINAGE AREA.--131 mi^2.

PERIOD OF RECORD.--September 1975 to September 1992 (discontinued). Water levels from Oct. 1981 to Sep. 1982 have not been published but are available in the files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 160.00 ft above National Geodetic Vertical Datum of 1929; gage reading have been adjusted to elevations above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily elevations: July 18-20, 22, 24-26, Aug. 8-10, 12, 15, 16, 18, 20, 22, 23, 29, Sept. 1, 3, 8-12, 14, 17, 26. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 169.46 ft, June 3, 1984; minimum daily elevation, 162.71 ft, Nov. 9-11, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 168.01 ft, Apr. 2; minimum daily elevation, 164.36 ft, Mar. 7.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166.91	165.00	165.30	165.11	165.16	164.59	168.00	167.42	167.13	167.15	167.26	e166.98
2	166.89	165.03	165.29	165.09	165.12	164.55	168.01	167.42	167.15	167.13	167.24	166.95
3	166.85	165.02	165.29	165.05	165.09	164.51	167.97	167.42	167.16	167.12	167.23	e167.01
4	166.80	165.00	165.36	165.02	165.04	164.47	167.88	167.41	167.15	167.12	167.23	167.01
5	166.75	164.98	165.35	165.05	165.03	164.43	167.77	167.39	167.15	167.12	167.22	167.02
6	166.72	164.93	165.34	165.09	165.00	164.39	167.62	167.37	167.25	167.12	167.21	167.01
7	166.78	164.90	165.34	165.09	164.95	164.36	167.41	167.35	167.42	167.13	167.17	167.01
8	166.78	164.85	165.33	165.11	164.91	164.39	167.20	167.35	167.54	167.15	e167.15	e167.01
9	166.76	164.78	165.32	165.10	164.88	164.46	167.06	167.36	167.69	167.18	e167.19	e167.00
10	166.72	164.71	165.31	165.10	164.82	164.48	166.91	167.36	167.70	167.21	e167.17	e167.00
11	166.65	164.72	165.29	165.09	164.77	164.77	166.79	167.38	167.72	167.21	167.15	e167.01
12	166.58	164.92	165.28	165.07	164.72	165.47	166.72	167.38	167.74	167.21	e167.12	e167.02
13	166.50	164.98	165.26	165.03	164.66	165.85	166.58	167.37	167.74	167.21	167.09	167.03
14	166.38	165.00	165.27	165.03	164.62	166.13	166.54	167.36	167.76	167.22	167.07	e167.04
15	166.27	165.02	165.34	165.15	164.56	166.35	166.54	167.33	167.78	167.26	e167.06	167.05
16	166.21	165.02	165.36	165.17	164.58	166.47	166.54	167.31	167.77	167.25	e167.05	167.06
17	166.13	165.01	165.36	165.17	164.59	166.57	166.57	167.30	167.73	167.28	167.07	e167.08
18	166.09	164.99	165.38	165.16	164.59	166.63	166.59	167.24	167.68	e167.32	e167.14	167.11
19	166.05	164.97	165.38	165.13	164.59	166.65	166.61	167.21	167.59	e167.37	167.13	167.12
20	165.97	164.96	165.35	165.10	164.62	166.65	166.66	167.20	167.50	e167.45	e167.12	167.13
21	165.89	164.94	165.34	165.08	164.68	166.68	166.69	167.18	167.41	167.47	167.12	167.14
22	165.80	164.91	165.33	165.03	164.69	166.68	166.77	167.16	167.32	e167.42	e167.11	167.15
23	165.70	165.00	165.30	165.01	164.69	166.68	166.91	167.16	167.29	167.39	e167.10	167.16
24	165.61	165.09	165.28	165.19	164.69	166.66	167.05	167.15	167.24	e167.37	167.10	167.08
25	165.51	165.20	165.25	165.27	164.66	166.63	167.18	167.16	167.23	e167.35	167.09	166.96
26	165.42	165.23	165.22	165.28	164.68	166.61	167.25	167.16	167.22	e167.30	167.09	e166.90
27	165.33	165.25	165.19	165.28	164.66	166.76	167.31	167.15	167.21	167.27	167.08	166.88
28	165.21	165.27	165.15	165.27	164.64	167.10	167.37	167.14	167.18	167.22	167.06	166.75
29	165.13	165.27	165.10	165.25	164.62	167.57	167.40	167.14	167.17	167.20	e167.05	166.67
30	165.04	165.28	165.15	165.22	---	167.82	167.42	167.14	167.16	167.18	167.05	166.58
31	165.01	---	165.14	165.19	---	167.95	---	167.13	---	167.18	167.02	---
MAX	166.91	165.28	165.38	165.28	165.16	167.95	168.01	167.42	167.78	167.47	167.26	167.16
MIN	165.01	164.71	165.10	165.01	164.56	164.36	166.54	167.13	167.13	167.12	167.02	166.58

CAL YR 1991 MAX 167.99 MIN 163.66
WTR YR 1992 MAX 168.01 MIN 164.36

e Estimated

01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

LOCATION.--Lat 44°13'42", long 69°46'42", Kennebec County, Hydrologic Unit 01030003, on left bank 300 ft upstream from Winter Street bridge in Gardiner, 0.4 mi upstream from mouth, and 0.8 mi downstream from Gardiner Water District dam.
DRAINAGE AREA.--217 mi^2.
PERIOD OF RECORD.--Discharge: June 1890 to September 1964, October 1976 to current year.
Chemical analyses: Water years 1954-56.
REVISED RECORDS.--WSP 541: 1916-20. WSP 1201: Drainage area. WSP 1231: 1910-15. WSP 1701: 1956-59.
GAGE.--Water-stage recorder. Datum of gage is 20.00 ft above National Geodetic Vertical Datum of 1929. June 16, 1890, to Sept. 30, 1964, nonrecording gage at site 0.8 mi upstream at different datum.
REMARKS.--Estimated daily discharges, Dec. 10 to Jan. 8. Records good except for period of missing gage-height record, Dec. 10 to Jan. 8, which is poor. Flow regulated by Cobbosseecontee Lake (station 01049400) 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 ft^3/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, 2,230 ft^3/s, Mar. 29, gage height, 7.77 ft; minimum daily, 24 ft^3/s, May 30, 31, and June 2-5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	584	375	e554	325	332	1560	437	25	115	131	87
2	294	666	374	e552	323	328	1420	467	24	119	114	88
3	308	600	375	e550	279	281	1290	490	24	118	117	89
4	320	520	379	e548	233	256	1120	484	24	113	128	90
5	330	365	378	e610	289	267	1070	492	24	115	112	89
6	357	321	378	e645	322	289	1090	479	33	115	100	88
7	759	320	346	e643	315	305	1230	420	101	111	93	89
8	620	314	331	e521	314	516	1250	301	239	98	90	86
9	677	288	332	385	309	649	1110	265	312	92	91	88
10	709	274	e332	392	270	635	931	263	283	92	91	88
11	451	288	e342	386	240	1280	904	287	245	93	92	88
12	542	730	e353	334	262	1740	909	322	213	92	92	88
13	655	857	e387	318	264	1510	681	330	155	93	93	86
14	661	769	e531	525	268	1210	403	284	139	94	93	85
15	397	634	e649	904	268	761	429	224	150	92	94	62
16	325	362	e619	501	380	359	478	206	161	91	93	36
17	427	275	e490	354	463	375	511	207	201	94	94	36
18	641	352	e454	358	464	394	551	206	241	96	97	36
19	982	375	e454	354	559	392	638	212	260	93	96	36
20	976	374	e468	331	646	388	661	211	304	91	95	36
21	458	359	e488	273	637	386	637	202	312	109	95	36
22	521	345	e488	228	546	379	607	193	313	122	95	36
23	646	717	e491	361	384	329	611	179	267	124	93	36
24	577	848	e498	1080	352	321	606	191	183	116	92	35
25	603	856	e502	866	348	336	695	143	153	125	92	106
26	580	816	e492	502	352	335	700	72	133	128	91	140
27	521	704	e471	287	352	818	651	25	131	128	92	147
28	547	507	e470	238	345	1630	585	25	129	158	91	167
29	534	441	e468	310	343	2120	527	25	122	167	91	230
30	490	395	e527	351	---	1910	448	24	113	165	89	303
31	470	---	e556	337	---	1710	---	24	---	168	89	---
TOTAL	16659	15256	13798	14598	10452	22541	24303	7690	5014	3527	3016	2707
MEAN	537	509	445	471	360	727	810	248	167	114	97.3	90.2
MAX	982	857	649	1080	646	2120	1560	492	313	168	131	303
MIN	281	274	331	228	233	256	403	24	24	91	89	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 1992, BY WATER YEAR (WY)

MEAN	236	250	302	271	286	541	908	452	305	194	192	200
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1891 - 1992	
ANNUAL TOTAL	151553		139561			
ANNUAL MEAN	415		381		346	
HIGHEST ANNUAL MEAN					723	1984
LOWEST ANNUAL MEAN					172	1985
HIGHEST DAILY MEAN	2100	Apr 23	2120	Mar 29	4320	Mar 20 1936
LOWEST DAILY MEAN	10	Aug 7	24	May 30	.00	Oct 5 1890
ANNUAL SEVEN-DAY MINIMUM	11	Aug 3	24	May 30	.00	Jul 11 1892
INSTANTANEOUS PEAK FLOW			2230	Mar 29	5020	Mar 21 1936
INSTANTANEOUS PEAK STAGE			7.77	Mar 29		
10 PERCENT EXCEEDS	899		705		715	
50 PERCENT EXCEEDS	324		325		260	
90 PERCENT EXCEEDS	23		89		56	

e Estimated

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 mi^2.
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: Dec. 5, Dec. 19 to Jan. 5, and Feb. 1 to Mar. 17. Records good including period of doubtful gage height record, Dec. 19 to Jan. 5 and period of no gage height record Feb. 1 to Mar. 17, except for periods of ice effect, Dec. 5 and Feb. 9-14, which are poor. Several observations of water temperature and specific conductance were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1010 ft^3/s, Apr. 1, 1987, gage height, 7.50 ft; minimum discharge 0.79 ft^3/s, Sept. 30, 1984, gage height, 2.60 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base discharge of 220 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 12	unknown	*494	*5.78	Mar. 28	2300	372	5.26
Mar. 27	1300	293	4.88	June 08	1900	250	4.66

Minimum discharge, 3.7 ft^3/s, Sept. 24 and 26, gage height, 3.03 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	42	57	e38	e35	e31	138	29	12	11	14	5.0
2	31	49	55	e37	e34	e28	127	30	12	11	11	5.0
3	36	45	54	e35	e33	e24	121	32	10	9.6	9.9	6.2
4	39	42	54	e38	e32	e24	112	33	9.5	9.8	9.8	9.0
5	32	37	e50	e73	e32	e25	100	31	8.6	9.8	10	6.0
6	45	35	48	84	e32	e25	93	30	17	10	9.1	5.8
7	127	33	48	78	e31	e29	86	27	20	9.7	8.3	5.7
8	123	32	46	70	e30	e52	81	27	80	11	8.2	5.7
9	152	30	45	63	e29	e51	77	29	99	15	8.8	5.7
10	121	29	43	59	e27	e58	77	30	44	14	8.7	5.4
11	102	61	41	55	e25	e161	75	30	30	11	7.9	5.7
12	99	92	40	50	e24	e421	73	27	27	10	7.5	5.3
13	89	73	50	47	e23	e313	69	26	21	11	7.0	5.2
14	78	64	63	57	e22	e147	67	27	22	11	6.8	5.2
15	68	57	69	73	e23	e113	69	26	24	11	6.2	5.2
16	72	55	61	58	e36	e97	67	23	20	11	6.3	5.4
17	74	52	54	50	e32	e83	68	21	18	10	6.3	5.5
18	85	48	51	45	e38	74	73	20	17	14	27	5.3
19	75	45	e48	40	e51	66	82	19	16	19	20	5.1
20	68	43	e46	36	e62	61	82	18	16	27	6.9	4.9
21	60	41	e43	32	e65	56	83	18	16	21	6.6	4.7
22	55	40	e42	30	e56	53	85	17	16	19	6.1	4.7
23	51	94	e40	51	e47	49	94	16	15	17	5.9	5.0
24	47	104	e38	143	e43	46	110	16	14	15	5.9	4.4
25	44	105	e37	81	e42	43	126	16	15	14	5.9	4.5
26	42	89	e34	63	e40	43	107	14	14	14	5.8	4.4
27	41	77	e33	54	e38	192	92	13	13	12	5.8	7.6
28	44	68	e32	47	e35	249	62	12	13	12	5.5	5.2
29	38	64	e39	42	e34	307	31	11	12	11	5.4	4.9
30	37	60	e49	39	---	193	30	10	11	11	5.1	4.3
31	33	---	e44	38	---	158	---	12	---	10	5.2	---
TOTAL	2036	1706	1454	1706	1051	3272	2557	690	662.1	401.9	262.9	162.0
MEAN	65.7	56.9	46.9	55.0	36.2	106	85.2	22.3	22.1	13.0	8.48	5.40
MAX	152	105	69	143	65	421	138	33	99	27	27	9.0
MIN	28	29	32	30	22	24	30	10	8.6	9.6	5.1	4.3
CFSM	2.77	2.40	1.98	2.32	1.53	4.45	3.60	.94	.93	.55	.36	.23
IN.	3.20	2.68	2.28	2.68	1.65	5.14	4.01	1.08	1.04	.63	.41	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1992, BY WATER YEAR (WY)

MEAN	18.3	49.3	57.9	36.9	37.2	81.6	114	52.8	33.1	9.19	9.14	7.75
MAX	65.7	112	153	97.5	70.8	148	190	123	130	16.8	27.1	20.5
(WY)	1992	1991	1984	1986	1984	1983	1983	1989	1984	1990	1991	1991
MIN	3.00	10.4	18.8	11.1	12.2	35.3	41.4	18.0	4.17	3.03	3.13	1.71
(WY)	1987	1985	1990	1985	1989	1989	1985	1985	1985	1985	1987	1984

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1982 - 1992	
ANNUAL TOTAL	16427.5		15960.9			
ANNUAL MEAN	45.0		43.6		42.2	
HIGHEST ANNUAL MEAN					68.4	1984
LOWEST ANNUAL MEAN					19.7	1985
HIGHEST DAILY MEAN	284	Mar 19	421	Mar 12	940	Apr 1 1987
LOWEST DAILY MEAN	3.7	Aug 9	4.3	Sep 30	.85	Sep 30 1984
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 3	4.7	Sep 20	.92	Sep 25 1984
INSTANTANEOUS PEAK FLOW			494	Mar 12	1010	Apr 1 1987
INSTANTANEOUS PEAK STAGE			5.78	Mar 12	7.50	Apr 1 1987
INSTANTANEOUS LOW FLOW			3.7	Sep 24	.79	Sep 30 1984
ANNUAL RUNOFF (CFSM)	1.90		1.84		1.78	
ANNUAL RUNOFF (INCHES)	25.78		25.05		24.20	
10 PERCENT EXCEEDS	96		87		99	
50 PERCENT EXCEEDS	36		33		23	
90 PERCENT EXCEEDS	5.3		6.1		4.0	

e Estimated

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 ft^3 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 ft^3 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.71).

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 ft^3 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 ft^3 between gage heights 6.0 ft and 14.0 ft. Rcords 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 ft^3 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 ft^3 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 1991 TO SEPTEMBER 1992

Date	Brassua Lake	First Roach Pond	Indian Pond	Moxie Pond	Flagstaff Lake	Wyman Pond
SEPT. 30, 1991.....	8,344	450	813	559	8,918	2,553
OCT. 31.....	8,232	118	654	242	9,609	2,932
NOV. 30.....	8,232	105	628	18	8,984	2,845
DEC. 31.....	6,673	0	559	0	6,979	2,914
JAN. 31, 1992.....	4,311	0	519	0	4,129	2,933
FEB. 29.....	2,236	0	567	0	1,817	2,784
MAR. 31.....	1,975	52	636	204	2,720	2,835
APR. 30.....	6,444	911	613	631	8,885	2,905
MAY 31.....	8,512	774	850	586	10,994	2,581
JUNE 30.....	8,793	801	812	613	11,563	2,866
JULY 31.....	8,569	787	628	586	10,963	2,950
AUG. 31.....	8,200	828	816	586	8,296	2,808
SEPT. 30.....	7,270	517	693	595	7,652	2,852

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

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 mi^2.
PERIOD OF RECORD.--Discharges: July 1941 to current year.
Chemical analyses: Water year 1954.
REVISED RECORDS.--WDR ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 1,259.48 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Dec. 3-14, Dec. 16 to Mar. 27. Records good except for periods of ice effect, Dec. 3-14, Dec. 16 to Mar. 27, 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, 8,630 ft^3/s, June 16, 1943, gage height, 10.66 ft, from rating curve extended above 4,300 ft^3/s; maximum gage height, 12.23 ft, Feb. 21, 1981, (ice jam); minimum discharge, 6.8 ft^3/s, Aug. 27, 28, 1949, Sept. 1, 1952, gage height, 0.81 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 06	2115	4,400	8.00	Apr. 29	2145	*4,980	*8.40

Minimum discharge, 31 ft^3/s, July 31, gage height, 1.27 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	208	374	e495	e128	e80	493	1880	165	47	259	75
2	386	208	347	e530	e115	e79	389	1650	188	43	306	62
3	298	198	e128	e500	e95	e76	324	1510	136	38	169	64
4	300	179	e176	e368	e84	e76	273	1460	109	88	123	519
5	262	164	e163	e272	e80	e76	272	962	96	163	109	287
6	1690	151	e135	e240	e78	e76	242	726	125	419	91	153
7	3640	150	e130	e192	e76	e75	240	665	201	200	67	114
8	1260	144	e130	e178	e75	e81	270	780	193	125	55	93
9	654	111	e205	e189	e73	e109	359	949	178	244	54	82
10	531	109	e385	e189	e71	e156	397	1190	121	438	64	72
11	598	243	e242	e212	e70	e259	389	893	97	238	56	253
12	849	384	e194	e244	e70	e1210	307	680	84	193	46	178
13	793	249	e233	e201	e68	e1300	278	575	75	187	40	110
14	539	207	e570	e165	e66	e1020	250	532	78	225	44	86
15	427	209	651	e279	e66	e780	244	435	96	190	65	72
16	747	844	e332	e328	e65	e495	242	349	69	140	61	65
17	859	575	e189	e210	e66	e262	261	315	58	102	50	60
18	630	344	e138	e158	e66	e163	242	286	51	110	71	56
19	527	301	e146	e141	e72	e143	285	253	46	116	143	55
20	462	473	e170	e116	e92	e134	948	219	63	111	132	59
21	382	757	e178	e109	e110	e120	2380	196	310	91	92	51
22	336	544	e162	e102	e114	e114	4560	177	201	73	67	51
23	300	902	e150	e84	e105	e104	4600	160	133	62	52	514
24	272	767	e144	e308	e92	e100	3460	152	104	58	45	259
25	249	615	e173	e590	e85	e95	2500	153	92	52	39	147
26	233	471	e238	e720	e81	e92	1720	138	132	46	35	110
27	222	360	e282	e755	e81	e143	1660	154	95	42	33	102
28	323	328	e346	e510	e81	1980	1510	168	71	39	33	98
29	274	306	e376	e425	e81	2260	1500	139	58	36	105	88
30	225	276	e323	e253	---	1550	1820	116	50	34	133	80
31	211	---	e411	e172	---	916	---	109	---	36	79	---
TOTAL	18762	10777	7821	9235	2406	14124	32415	17971	3475	3986	2718	4015
MEAN	605	359	252	298	83.0	456	1080	580	116	129	87.7	134
MAX	3640	902	651	755	128	2260	4600	1880	310	438	306	519
MIN	211	109	128	84	65	75	240	109	46	34	33	51
CFSM	3.98	2.36	1.66	1.96	.55	3.00	7.11	3.81	.76	.85	.58	.88
IN.	4.59	2.64	1.91	2.26	.59	3.46	7.93	4.40	.85	.98	.67	.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1992, BY WATER YEAR (WY)

MEAN	271	334	230	160	147	280	1058	949	311	158	142	152
MAX	869	733	739	533	783	853	1591	2115	804	472	492	836
(WY)	1991	1964	1974	1973	1981	1946	1954	1972	1943	1958	1988	1954
MIN	40.9	83.2	53.4	53.9	43.4	54.6	402	347	105	35.1	15.0	16.8
(WY)	1953	1979	1979	1948	1942	1967	1972	1986	1963	1952	1952	1952

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1941 - 1992	
ANNUAL TOTAL	140253		127705			
ANNUAL MEAN	384		349		350	
HIGHEST ANNUAL MEAN					500	1974
LOWEST ANNUAL MEAN					225	1965
HIGHEST DAILY MEAN	5520	Apr 9	4600	Apr 23	7380	Jun 16 1943
LOWEST DAILY MEAN	21	Jul 31	33	Aug 27	6.8	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	26	Jul 29	41	Jul 25	9.0	Sep 11 1952
INSTANTANEOUS PEAK FLOW			4980	Apr 22	8630	Jun 16 1943
INSTANTANEOUS PEAK STAGE			8.40	Apr 22	12.23	Feb 21 1981
INSTANTANEOUS LOW FLOW			31	Jul 31	6.8	Aug 27 1949
ANNUAL RUNOFF (CFSM)	2.53		2.30		2.30	
ANNUAL RUNOFF (INCHES)	34.33		31.25		31.28	
10 PERCENT EXCEEDS	823		771		845	
50 PERCENT EXCEEDS	207		174		157	
90 PERCENT EXCEEDS	67		62		50	

e Estimated

01053500 ANDROSCOGGIN RIVER AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'46", Coos County, Hydrologic Unit 01040001, on right bank 0.4 mi downstream from Errol Dam, 0.4 mi northeast of Errol, and 0.6 mi upstream from Clear Stream.
DRAINAGE AREA.--1,046 mi^2.
PERIOD OF RECORD.--Discharge: January 1905 to current year. November and December 1912, monthly discharges only, published in WSP 1301.Prior to 1922, published as "at Errol Dam."
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 ft^3, 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 ft^3/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, 6,100 ft^3/s, Oct. 8, gage-height, 5.39 ft; minimum daily, 1,020 ft^3/s, Apr. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1330	1900	2090	2350	2080	2240	1760	3090	1180	1580	1760	1480
2	1330	2200	2090	2350	2100	2240	1840	3090	1190	1580	1760	1450
3	1320	2200	2090	2350	2130	2240	1840	3090	1200	1620	1910	1450
4	1880	2240	2100	2350	2150	2240	1840	3090	1340	1630	2000	1460
5	2200	2260	2210	2350	2150	2300	1830	3090	1370	1630	2000	1460
6	2350	2200	2290	2310	2150	2340	1830	2640	1380	1630	2000	1450
7	3460	2160	2290	2310	2150	2340	1830	2460	1380	1640	2000	1450
8	5340	2160	2290	2260	2150	2340	1590	2460	1380	1660	2000	1450
9	5770	2160	2300	2260	2150	2340	1490	2190	1380	1640	2000	1460
10	4420	2160	2290	2260	2150	2210	1350	1670	1380	1660	1840	1460
11	3480	2160	2280	2260	2150	2020	1280	1510	1370	1660	1770	1460
12	3610	2160	2280	2260	2150	1950	1280	1230	1370	1660	1770	1460
13	3810	2160	2280	2260	2150	1950	1280	1230	1370	1660	1770	1460
14	3790	2160	2290	2260	2150	1950	1280	1230	1370	1730	1770	1460
15	3770	2040	2410	2260	2140	2130	1280	1230	1390	1830	1650	1460
16	3340	1960	2470	2260	2140	2230	1280	1230	1440	1880	1600	1460
17	2470	1960	2470	2320	2150	2170	1280	1220	1470	2010	1550	1460
18	2470	1930	2470	2350	2070	2140	1280	1230	1470	2100	1480	1450
19	2440	1960	2470	2350	2040	2090	1280	1220	1470	2090	1480	1460
20	2020	1960	2470	2340	2040	2140	1100	1150	1450	2090	1480	1460
21	1150	1960	2470	2290	2040	2130	1020	1210	1480	2090	1480	1460
22	1250	1960	2470	2260	2040	2130	1040	1270	1480	2090	1480	1460
23	1310	1970	2470	2260	2040	2130	1660	1270	1460	2090	1490	1460
24	1360	1970	2450	2160	2040	2130	3750	1270	1470	2090	1520	1460
25	1410	1970	2470	2150	2030	2130	5050	1270	1470	2090	1540	1460
26	1460	1980	2390	2150	2040	2130	4510	1270	1540	2090	1540	1460
27	1470	1980	2350	2080	2040	1560	3720	1250	1580	1970	1520	1460
28	1470	2050	2350	2030	2040	1490	3590	1200	1580	1870	1500	1590
29	1470	2090	2350	2040	2170	2080	3230	1180	1580	1880	1500	1680
30	1470	2090	2350	2040	---	1930	3090	1180	1580	1800	1510	1700
31	1460	---	2350	2040	---	1680	---	1180	---	1760	1500	---
TOTAL	75880	62110	72400	69570	61020	65120	60480	52900	42570	56800	52170	44350
MEAN	2448	2070	2335	2244	2104	2101	2016	1706	1419	1832	1683	1478
MAX	5770	2260	2470	2350	2170	2340	5050	3090	1580	2100	2000	1700
MIN	1150	1900	2090	2030	2030	1490	1020	1150	1180	1580	1480	1450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1992, BY WATER YEAR (WY)

MEAN	1593	1536	1711	1786	1819	1814	2079	3107	2271	1745	1684	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1906 - 1992	
ANNUAL TOTAL	867296		715370			
ANNUAL MEAN	2376		1955		1904	
HIGHEST ANNUAL MEAN					2923	1974
LOWEST ANNUAL MEAN					1046	1911
HIGHEST DAILY MEAN	9320	Apr 10	5770	Oct 9	16100	May 22 1969
LOWEST DAILY MEAN	784	Apr 7	1020	Apr 21	.00	Oct 31 1917
ANNUAL SEVEN-DAY MINIMUM	1290	Aug 12	1180	Apr 16	152	Mar 21 1948
INSTANTANEOUS PEAK FLOW			6100	Oct 8	16500	May 22 1969
INSTANTANEOUS PEAK STAGE			5.39	Oct 8	9.40	May 22 1969
10 PERCENT EXCEEDS	3440		2450		2600	
50 PERCENT EXCEEDS	2090		1970		1690	
90 PERCENT EXCEEDS	1460		1280		1120	

01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH

LOCATION.--Lat 44°26'10", long 71°11'27", Coos County, Hydrologic Unit 01040001, on right bank at Pulsifer Rips, 2.2 mi downstream from Dead River, and 4.0 mi upstream from Gorham.
DRAINAGE AREA.--1,361 mi^2.
PERIOD OF RECORD.--October 1913 to current year. October 1922 to September 1928, monthly discharge only, published in WSP 1301. 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.--Estimated daily discharges: Mar. 27 to May 5. Records fair including period of no gage-height record Mar. 27 to may 5. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes (Reservoirs in Androscoggin River Basin), combined usable capacity, 28,100,000,000 ft^3, with final regulation at Errol Dam 35 mi upstream. Diurnal fluctuations caused by power plant 0.8 mi upstream. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 20,000 ft^3/s, June 18, 1917, Apr. 30, 1923; minimum daily, 795 ft^3/s, Mar.15,1948.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,800 ft^3/s, Apr. 25, gage height, 7.76 ft; minimum daily, 1,440 ft^3/s, May 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	1950	2620	2670	2250	2360	e2600	e5220	1560	1700	1970	1630
2	1750	2590	2620	2630	2230	2360	e2600	e5100	1600	1670	2030	1590
3	1680	2600	2550	2630	2250	2400	e2480	e5000	1510	1700	1960	1610
4	1810	2560	2580	2640	2320	2370	e2410	e4840	1490	1740	2100	2010
5	2510	2570	2360	2710	2340	2400	e2340	e4460	1610	1810	2160	1950
6	3160	2550	2590	2730	2290	2460	e2330	3940	1770	2270	2140	1900
7	6390	2460	2590	2710	2300	2480	e2630	3360	1960	2000	2080	1710
8	5930	2440	2780	2580	2320	2520	e2570	3260	1860	1890	2080	1660
9	6960	2430	2900	2500	2300	2580	e2660	3360	1830	2010	2140	1690
10	5840	2410	3090	2560	2260	2620	e2710	3270	1760	2140	2130	1620
11	4400	2670	2840	2510	2290	2900	e2290	2720	1640	1980	1960	1810
12	4390	3080	2840	2370	2260	3400	e2330	2160	1590	1880	1830	1690
13	4840	2810	2860	2540	2260	2940	e2070	2010	1570	1950	1830	1690
14	4550	2700	3240	2610	2300	2620	e2150	1990	1570	1940	1860	1650
15	4340	2700	3490	2620	2270	2550	e2000	1920	1550	2040	1900	1690
16	4800	2920	3240	2500	2310	2690	e2030	1860	1530	2090	1750	1660
17	3730	3090	3080	2570	2290	2590	e2020	1760	1600	2090	1750	1630
18	3330	2760	2980	2570	2260	2480	e2000	1660	1570	2270	1750	1610
19	3220	2510	2840	2520	2220	2450	e2370	1780	1600	2260	1820	1590
20	3080	2630	2910	2540	2220	2410	e3350	1530	1660	2290	1770	1620
21	1930	2880	2970	2490	2230	2390	e6190	1450	2600	2240	1630	1580
22	1750	2760	2960	2420	2200	2370	e8110	1520	2190	2160	1640	1560
23	1750	3450	2930	2420	2200	2350	e7840	1580	1880	2130	1640	1840
24	1790	3670	2870	2520	2190	2340	e9150	1560	1760	2120	1670	1890
25	1780	3250	2700	2420	2160	2310	e9810	1580	1730	2150	1690	1840
26	1830	2970	2590	2370	2210	2340	e8060	1600	1720	2140	1660	1700
27	1870	2710	2870	2340	2220	e4480	e6480	1560	1740	2230	1670	1730
28	1910	2610	2640	2270	2200	e3510	e5740	1530	1750	2000	1620	1730
29	1950	2660	2670	2170	2230	e3300	e5270	1440	1730	1900	1700	1860
30	1900	2610	2790	2240	---	e3210	e4960	1460	1720	1940	1710	1930
31	1890	---	2710	2230	---	e2760	---	1460	---	1870	1670	---
TOTAL	98720	82000	87700	77600	65380	82940	119550	77940	51650	62600	57310	51670
MEAN	3185	2733	2829	2503	2254	2675	3985	2514	1722	2019	1849	1722
MAX	6960	3670	3490	2730	2340	4480	9810	5220	2600	2290	2160	2010
MIN	1660	1950	2360	2170	2160	2310	2000	1440	1490	1670	1620	1560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1992, BY WATER YEAR (WY)

MEAN	2051	2076	2146	2126	2113	2439	3855	4306	2801	2030	1933	1984
MAX	4894	4292	5811	4044	3555	7684	6474	10050	10560	3895	2792	6387
(WY)	1955	1991	1974	1970	1991	1936	1976	1937	1917	1973	1990	1954
MIN	1374	1413	1257	1276	1299	1376	1755	1746	1545	1524	1514	1406
(WY)	1942	1922	1953	1953	1922	1922	1965	1941	1915	1980	1980	1941

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1914 - 1992	
ANNUAL TOTAL	1079510		915060			
ANNUAL MEAN	2958		2500		2494	
HIGHEST ANNUAL MEAN					3675	1974
LOWEST ANNUAL MEAN					1689	1965
HIGHEST DAILY MEAN	13700	Apr 11	9810	Apr 25	20000	Jun 18 1917
LOWEST DAILY MEAN	1420	Aug 18	1440	May 29	795	Mar 15 1948
ANNUAL SEVEN-DAY MINIMUM	1520	Aug 12	1500	May 29	866	Mar 10 1948
INSTANTANEOUS PEAK FLOW			10800	Apr 25		
INSTANTANEOUS PEAK STAGE			7.76	Apr 25		
10 PERCENT EXCEEDS	4390		3340		3650	
50 PERCENT EXCEEDS	2630		2270		2000	
90 PERCENT EXCEEDS	1720		1630		1600	

e Estimated

01054200 WILD RIVER AT GILEAD, ME
(Hydrologic bench-mark station)

LOCATION.--Lat 44°23'27", long 70°58'47", Oxford County, Hydrologic Unit 01040002, on right bank 200 ft upstream from highway bridge on U.S. Route 2, 2,000 ft upstream from mouth, and 0.4 mi west of Gilead.
DRAINAGE AREA.--69.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--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. 4-9, Dec. 18 to Mar. 11 and Mar. 15-27. Records good except for periods of ice effect, Dec. 4-9, Dec. 18 to Mar. 11 and Mar. 15-27, which are fair. Telephone and satellite gage-height telemeters 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 ft^3/s, Mar.31,1987, gage height, 13.03 ft; minimum, 6.8 ft^3/s, Aug. 3 and 4, 1991, gage height, 2.83 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 24, 1959, reached a stage of 15.6 ft, from floodmarks; discharge, 18,100 ft^3/s, from slope-area measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 06	1915	*8,430	10.30	Mar. 27	1100	7,120	[a]*10.41
Oct. 16	1100	3,400	7.31	June 20	2230	3,740	7.55
Mar. 11	2015	4,440	[a]8.48				

a Effected by ice shear walls.
Minimum discharge, 22 ft^3/s, Aug. 25, 26, gage height, 3.04 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	232	141	e148	e75	e40	199	428	149	66	94	44
2	93	224	133	e116	e66	e39	217	395	164	57	51	39
3	91	169	126	e105	e59	e38	193	435	113	50	41	229
4	77	139	e106	e84	e56	e37	167	351	91	77	348	153
5	66	127	e80	e229	e70	e37	158	272	129	125	121	91
6	3540	123	e145	e235	e68	e39	156	223	784	150	67	73
7	1190	117	e207	e163	e62	e38	187	207	439	113	52	63
8	396	111	e222	e120	e65	e192	299	230	227	78	49	57
9	261	104	e293	e106	e63	e400	296	333	167	137	53	47
10	209	96	304	e116	e58	e720	341	339	129	148	75	46
11	189	220	218	e47	e54	e1600	309	294	108	104	56	97
12	358	248	173	e53	e52	1160	215	275	94	90	43	65
13	263	165	242	e140	e48	304	172	303	81	82	37	47
14	193	142	383	e172	e46	183	153	309	74	92	37	42
15	164	145	300	e230	e43	e145	151	233	90	125	45	37
16	1290	270	163	e172	e44	e127	147	206	67	83	43	34
17	516	213	130	e131	e47	e111	150	199	57	64	42	33
18	449	158	e120	e120	e43	e98	134	207	49	80	66	31
19	300	145	e149	e104	e127	e90	193	175	45	177	58	33
20	234	188	e200	e95	e214	e84	448	156	458	147	42	33
21	198	182	e240	e130	e66	e79	1300	150	1050	90	34	29
22	177	149	e220	e131	e59	e74	1640	142	504	65	29	30
23	158	405	e184	e151	e56	e72	1300	127	251	60	27	159
24	145	311	e159	e304	e51	e69	1150	115	176	54	26	77
25	136	297	e221	e264	e48	e67	739	111	188	44	23	52
26	129	205	e227	e260	e47	e65	403	102	149	39	233	43
27	125	164	e176	e148	e46	e2900	337	96	113	38	143	63
28	122	153	e131	e73	e43	1410	324	94	97	33	123	68
29	117	143	e133	e75	e41	576	326	89	82	31	202	47
30	112	135	e309	e83	---	286	374	79	73	28	86	40
31	154	---	e212	e90	---	224	---	75	---	71	56	---
TOTAL	11519	5480	6047	4395	1817	11304	12178	6750	6198	2598	2402	1902
MEAN	372	183	195	142	62.7	365	406	218	207	83.8	77.5	63.4
MAX	3540	405	383	304	214	2900	1640	435	1050	177	348	229
MIN	66	96	80	47	41	37	134	75	45	28	23	29
CFSM	5.34	2.62	2.80	2.04	.90	5.24	5.83	3.13	2.97	1.20	1.11	.91
IN.	6.16	2.93	3.23	2.35	.97	6.04	6.51	3.61	3.31	1.39	1.28	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	139	202	146	105	105	229	509	425	146	69.1	70.3	54.9
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	169	49.9	16.1	14.6	11.3
(WY)	1965	1979	1979	1981	1980	1967	1965	1977	1970	1991	1965	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	68969.5		72590			
ANNUAL MEAN	189		198		184	
HIGHEST ANNUAL MEAN					261	1973
LOWEST ANNUAL MEAN					72.9	1965
HIGHEST DAILY MEAN	3540	Oct 6	3540	Oct 6	7240	Mar 31 1987
LOWEST DAILY MEAN	7.1	Aug 3	23	Aug 25	7.1	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	9.1	Jul 29	32	Sep 16	8.5	Aug 5 1964
INSTANTANEOUS PEAK FLOW			8430	Oct 6	13600	Mar 31 1987
INSTANTANEOUS PEAK STAGE			10.41	Mar 27	13.03	Mar 31 1987
INSTANTANEOUS LOW FLOW			22	Aug 25	6.8	Aug 3 1991
ANNUAL RUNOFF (CFSM)	2.71		2.85		2.64	
ANNUAL RUNOFF (INCHES)	36.86		38.80		35.85	
10 PERCENT EXCEEDS	344		338		410	
50 PERCENT EXCEEDS	107		127		75	
90 PERCENT EXCEEDS	22		43		21	

e Estimated

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. 1992.
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 30.0°C Aug. 2, 1975; minimum, 0.0°C on many days during winter periods.

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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 (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												
06...	0900	124	18	6.5	0.0	2.5	0.60	745	13.5	101	K 1	K 1
FEB												
11...	1100	54	23	6.6	-5.5	0.0	0.50	740	14.0	98	K 1	< 1
APR												
11...	1350	289	18	6.3	-3.0	0.0	1.1	748	14.4	100	K 2	< 1
AUG												
10...	1320	74	20	6.5	22.0	17.5	0.60	739	9.2	99	< 1	22

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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											
06...	5	1.2	0.37	1.0	0.30	2.5	0.0	2.1	3.9	1.0	<0.1
FEB											
11...	5	1.3	0.39	1.2	0.20	3.5	0.0	2.9	3.9	0.9	<0.1
APR											
11...	5	1.4	0.39	1.1	0.30	1.5	0.0	1.2	3.7	0.7	0.1
AUG											
10...	6	1.4	0.49	1.2	0.30	3.0	0.0	2.5	3.6	0.5	<0.1

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										
06...	6.2	17	16	<0.01	<0.01	<0.05	<0.05	0.01	<0.01	--
FEB										
11...	6.9	7	17	<0.01	<0.01	<0.05	<0.05	0.01	<0.01	--
APR										
11...	4.3	17	13	0.02	<0.01	<0.05	<0.05	<0.01	0.01	0.01
AUG										
10...	7.1	17	16	<0.01	<0.01	<0.05	<0.05	0.02	0.01	0.01

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

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
NOV										
06...	<0.2	<0.01	<0.01	<0.01	0.02	90	3	<3	32	<4
FEB										
11...	<0.2	<0.01	<0.01	<0.01	<0.01	50	4	<3	25	5
APR										
11...	<0.2	<0.01	<0.01	<0.01	<0.01	100	5	<3	23	5
AUG										
10...	<0.2	<0.01	<0.01	0.03	<0.01	60	4	<3	41	<4

DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
06...	2	<10	<1	<1	<1	12	<6	2	0.67	62
FEB										
11...	<1	<10	<1	<1	<1	13	<6	4	0.58	60
APR										
11...	6	<10	<1	<1	<1	12	<6	4	3.1	71
AUG										
10...	2	<10	<1	<1	<1	14	<6	6	1.2	65

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DISSOLVED (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										
06...	--	--	--	--	--	--	--	--	--	--
FEB										
11...	--	--	--	--	--	--	--	--	--	--
APR										
11...	<0.6	<0.6	0.7	<0.6	0.7	<0.6	<0.02	0.03	<0.6	<0.6
AUG										
10...	<0.6	<0.6	1.0	<0.6	0.8	<0.6	0.04	0.03	<0.6	<0.6

01054200 - WILD RIVER AT GILEAD, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	4.5	3.0	4.0	.0	.0	.0
2	---	---	---	---	---	---	3.5	.5	2.5	.0	.0	.0
3	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
4	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
5	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
6	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
7	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
8	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
9	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
10	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
11	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
12	---	---	---	---	---	---	.5	.0	.5	.0	.0	.0
13	---	---	---	---	---	---	.5	.5	.5	.0	.0	.0
14	---	---	---	---	---	---	1.0	.5	.5	.0	.0	.0
15	---	---	---	---	---	---	1.5	.0	1.0	.0	.0	.0
16	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
17	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
18	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
19	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
20	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
21	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
22	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
23	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
24	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
25	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
26	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
27	---	---	---	---	---	---	.5	.0	.0	.0	.0	.0
28	---	---	---	2.0	.5	1.0	.5	.0	.0	.0	.0	.0
29	---	---	---	3.0	1.5	2.5	.0	.0	.0	.0	.0	.0
30	---	---	---	3.0	2.0	2.5	.0	.0	.0	.0	.0	.0
31	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	---	---	---	3.0	.5	2.0	4.5	.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	1.5	.0	1.0	9.0	4.5	6.5
2	.0	.0	.0	.0	.0	.0	2.5	1.0	1.5	6.5	4.5	5.5
3	.0	.0	.0	.0	.0	.0	3.0	.5	1.5	8.5	4.5	6.0
4	.0	.0	.0	.5	.0	.0	4.0	.0	1.5	9.0	4.0	6.5
5	.0	.0	.0	.5	.0	.0	3.5	1.0	2.0	6.0	3.5	4.5
6	.0	.0	.0	.5	.0	.0	4.5	1.0	2.5	6.5	2.5	4.5
7	.0	.0	.0	.5	.0	.0	5.0	1.5	3.0	10.5	3.0	6.5
8	.0	.0	.0	.0	.0	.0	4.5	1.5	3.0	9.0	4.5	7.0
9	.0	.0	.0	.0	.0	.0	4.0	.5	2.0	11.0	6.5	8.5
10	.0	.0	.0	.0	.0	.0	5.0	1.5	3.0	9.0	6.0	7.5
11	.0	.0	.0	.0	.0	.0	2.0	.0	.5	13.0	6.5	9.5
12	.0	.0	.0	.0	.0	.0	.5	.0	.0	13.0	6.0	9.5
13	.0	.0	.0	.5	.0	.0	3.0	.0	1.0	13.5	8.0	11.0
14	.0	.0	.0	.5	.0	.0	4.5	.0	1.5	11.5	9.5	10.5
15	.0	.0	.0	.5	.0	.0	5.5	.0	2.5	13.5	7.0	10.0
16	.0	.0	.0	.5	.0	.0	4.5	.0	2.5	12.5	8.5	10.0
17	.0	.0	.0	.0	.0	.0	3.0	.5	1.0	15.5	8.0	11.5
18	.0	.0	.0	.5	.0	.0	4.0	1.0	2.5	14.0	10.0	11.5
19	.0	.0	.0	.5	.0	.0	7.0	1.5	4.0	15.5	8.0	11.5
20	.0	.0	.0	.5	.0	.0	6.0	2.5	4.0	16.0	8.5	12.0
21	.0	.0	.0	.5	.0	.0	4.5	1.5	2.5	18.0	10.5	14.0
22	.0	.0	.0	.5	.0	.0	3.0	2.0	2.5	20.0	13.0	16.0
23	.0	.0	.0	.5	.0	.0	4.5	2.0	3.0	20.5	13.5	17.0
24	.0	.0	.0	.5	.0	.0	2.5	2.0	2.0	18.0	10.5	14.0
25	.0	.0	.0	.5	.0	.0	3.5	2.0	2.5	14.0	8.0	11.0
26	.0	.0	.0	.5	.0	.5	5.0	2.0	3.5	11.5	9.5	10.5
27	.0	.0	.0	.5	.0	.0	7.5	1.5	4.0	11.5	8.5	10.0
28	.0	.0	.0	.5	.0	.0	6.5	2.0	4.0	14.5	9.5	11.5
29	.0	.0	.0	1.0	.0	.5	7.5	2.5	5.0	17.0	9.0	13.0
30	---	---	---	1.5	.0	.5	7.0	2.5	5.0	18.5	11.0	14.5
31	---	---	---	.5	.0	.5	---	---	---	15.0	12.0	13.5
MONTH	.0	.0	.0	1.5	.0	.0	7.5	.0	2.5	20.5	2.5	10.0

01054200 - WILD RIVER AT GILEAD, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	10.0	11.0	19.5	14.0	16.5	16.0	14.5	15.0	16.0	13.5	15.0
2	15.0	9.0	12.0	20.5	12.5	16.0	19.5	13.5	16.5	18.5	12.0	15.0
3	17.5	10.5	14.0	18.5	13.0	16.0	19.5	15.5	17.5	14.0	12.0	12.5
4	18.0	12.5	15.5	16.0	13.0	14.0	20.0	15.0	17.0	15.0	11.5	13.0
5	15.0	12.0	13.5	15.5	12.5	14.0	17.5	14.0	15.5	18.0	12.5	15.0
6	12.0	9.5	10.5	17.5	13.5	15.5	20.5	14.0	17.0	17.0	14.5	15.5
7	14.5	9.5	12.0	18.5	13.0	15.5	20.0	14.0	17.5	16.5	13.5	15.0
8	16.0	12.0	14.0	19.0	13.5	16.5	21.5	15.0	18.0	17.5	15.0	16.5
9	17.5	13.0	15.0	17.5	15.5	16.5	18.5	15.5	16.5	21.5	16.0	18.0
10	17.5	12.0	14.5	20.0	14.5	17.0	21.5	15.0	18.0	22.0	15.0	18.0
11	16.5	11.5	14.0	20.5	16.0	18.0	20.0	17.0	18.0	19.0	15.5	17.5
12	19.5	11.5	15.5	19.5	15.5	17.5	21.0	15.0	17.5	17.5	13.0	15.0
13	20.5	15.0	17.5	19.0	16.5	17.5	18.0	13.5	16.0	17.5	11.0	14.0
14	19.0	15.5	17.0	17.0	15.0	16.0	16.0	15.0	15.5	18.0	11.5	14.5
15	20.5	15.0	17.0	18.0	14.5	16.0	17.5	14.5	16.0	18.0	12.5	15.0
16	20.5	12.5	16.5	21.5	14.5	17.5	16.5	15.0	15.5	18.0	14.0	16.0
17	22.0	14.0	17.5	18.5	15.5	17.0	18.0	15.0	16.5	20.0	16.0	18.0
18	23.0	15.0	18.5	21.5	15.5	18.5	18.0	16.0	17.0	22.5	17.0	19.5
19	21.5	16.5	19.5	19.5	15.5	18.0	18.0	15.5	17.0	19.0	14.0	17.5
20	21.0	13.5	18.5	20.0	14.5	17.5	17.0	14.0	15.5	17.0	11.5	14.0
21	16.0	13.0	14.5	22.0	17.0	19.0	21.0	13.5	17.0	16.0	11.0	13.5
22	15.0	12.5	13.5	20.5	14.5	17.5	20.0	15.0	17.5	16.5	13.5	15.0
23	16.0	11.5	13.0	16.5	14.5	15.5	24.0	17.0	20.0	15.0	11.0	13.5
24	12.0	10.0	11.5	21.5	13.0	17.0	25.0	17.5	21.0	13.0	8.5	10.5
25	15.0	11.5	13.0	23.0	15.0	19.0	25.5	18.5	21.5	13.0	7.5	10.0
26	17.5	11.5	14.5	22.0	16.5	19.0	23.5	17.0	20.0	11.5	7.5	10.0
27	17.0	12.5	14.5	22.0	18.0	19.5	22.0	16.5	19.0	14.0	11.0	12.5
28	18.5	12.5	15.5	23.0	17.0	19.5	20.0	17.5	18.5	16.5	12.5	14.0
29	20.0	14.0	17.0	22.5	15.5	19.0	20.5	17.5	19.0	14.0	10.0	12.0
30	17.5	15.0	16.5	23.5	17.0	19.5	19.5	15.5	17.5	10.0	6.5	8.0
31	---	---	---	17.5	15.0	16.0	19.0	16.0	17.0	---	---	---
MONTH	23.0	9.0	15.0	23.5	12.5	17.0	25.5	13.5	17.5	22.5	6.5	14.5
YEAR	25.5	.0	7.5									

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 mi^2.
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 ft^3/s, Mar. 20, 1936; minimum daily, 625 ft^3/s, Mar. 27, 1911.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,700 ft^3/s, Oct. 7, gage height 11.37 ft; minimum daily, 1,600 ft^3/s, June 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2090	3110	3980	3750	2920	2490	5750	8130	2160	2170	2410	1930
2	2290	3410	3960	3590	2760	2690	5570	8250	2580	2120	2560	1830
3	2320	3740	3650	3550	2650	2820	5550	7930	2340	2030	2440	1860
4	2200	3490	3520	3530	2710	2810	4990	8050	2090	2140	2580	2810
5	2400	3350	2580	3900	2850	2790	4760	6990	2070	2450	3920	3020
6	5360	3280	2730	4620	2710	2780	4360	6240	2930	2840	3260	2350
7	19100	3200	3290	4400	2730	2870	4560	5520	6340	3450	2640	2250
8	11400	3080	3420	3920	2770	2970	5150	5060	4140	2740	2500	2020
9	8850	3020	4220	3390	2770	3090	5930	5290	3250	2770	2470	2020
10	8490	2930	4710	3620	2620	3250	5620	6010	2750	3470	2690	2020
11	6740	3450	4450	3320	2690	5260	6130	5520	2510	3010	2520	2060
12	6180	5460	4130	2760	2660	15200	5020	4790	2300	2650	2210	2280
13	7220	4860	4280	3060	2550	9320	4220	4400	2160	2470	2120	2050
14	6470	4100	5180	3540	2670	5860	3670	3900	2100	2500	2070	1970
15	5860	3930	6270	4530	2710	4620	3420	3840	2270	2620	2250	1930
16	7800	4200	5020	3710	2720	4110	3400	3380	2190	2670	2170	1970
17	10300	4940	3780	3370	2730	4080	3610	3210	1600	2500	2060	1880
18	6700	4460	4030	3300	2800	3810	3450	3090	1940	2590	2140	1830
19	5910	3920	3330	3010	2730	3500	3630	3140	1930	2750	2220	1850
20	5090	3740	3280	2940	2940	3410	5430	2810	1960	3040	2170	1840
21	4420	3980	4050	2970	2830	3370	10400	2480	4050	2830	2070	1840
22	3500	4150	4110	2900	2720	3290	18300	2500	5710	2610	1930	1830
23	2770	5000	4020	2830	2670	3230	19300	2460	4370	2520	1920	2620
24	2750	7070	4070	3270	2650	3160	16800	2430	2990	2430	1850	2870
25	2750	6520	3190	3780	2700	3110	17800	2340	2830	2440	1840	2040
26	2740	5560	3300	3330	2650	3110	14500	2370	2710	2390	1910	2000
27	2740	4790	3470	3130	2670	7310	11400	2310	2490	2380	2320	2000
28	2770	4220	3660	3090	2640	19300	9670	2220	2400	2420	2250	2120
29	2770	4130	3480	2930	2610	15400	8540	2180	2310	2180	2020	2090
30	2730	3990	3970	2860	---	9370	8180	2050	2230	2110	2500	2170
31	2650	---	4060	2910	---	7230	---	2000	---	2110	2090	---
TOTAL	165360	125080	121190	105810	78830	165610	229110	130890	83700	79400	72100	63350
MEAN	5334	4169	3909	3413	2718	5342	7637	4222	2790	2561	2326	2112
MAX	19100	7070	6270	4620	2940	19300	19300	8250	6340	3470	3920	3020
MIN	2090	2930	2580	2760	2550	2490	3400	2000	1600	2030	1840	1830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 1992, BY WATER YEAR (WY)

MEAN	2797	3339	3028	2708	2627	3900	8015	7374	3935	2540	2329	2388
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1900 - 1992	
ANNUAL TOTAL	1608370		1420430			
ANNUAL MEAN	4406		3881		3749	
HIGHEST ANNUAL MEAN					5515	1974
LOWEST ANNUAL MEAN					2000	1911
HIGHEST DAILY MEAN	21700	Apr 22	19300	Mar 28	68300	Mar 19 1936
LOWEST DAILY MEAN	1520	Aug 16	1600	Jun 17	625	Mar 27 1911
ANNUAL SEVEN-DAY MINIMUM	1610	Jul 29	1860	Sep 16	645	Mar 21 1911
INSTANTANEOUS PEAK FLOW			22700	Oct 7	74000	Mar 20 1936
INSTANTANEOUS PEAK STAGE			11.37	Oct 7		
10 PERCENT EXCEEDS	7720		6250		7140	
50 PERCENT EXCEEDS	3760		3000		2600	
90 PERCENT EXCEEDS	1960		2070		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 mi^3.
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: Dec. 4-13, Dec. 17 to Mar. 11 and Mar. 14-26, and May 25 to June 2. Records good except for periods of ice effect, Dec. 4-13, Dec. 17 to Mar. 11 and Mar. 14-26, and period of missing record, May 25 to June 2, 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 ft^3/s, Oct. 24, 1959, gage height, 12.87 ft, from rating curve extended above 7,000 ft^3/s; minimum, 3.8 ft^3/s, Sept. 16, 17, 1948, gage height, 0.93 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 06	2245	4,400	6.89	Mar. 27	1700	3,390	6.19
Mar. 11	2230	*4,540	*[a]8.51	Apr. 22	2030	3,860	6.53

a ice jam.
Minimum discharge, 22 ft^3/s, Aug. 27, gage height, 1.25 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	161	174	e92	e74	e49	290	646	e140	46	189	33
2	53	246	165	e87	e68	e48	333	578	e110	40	112	28
3	50	173	107	e85	e61	e47	294	522	76	34	72	31
4	42	140	e100	e83	e57	e46	246	496	61	79	59	219
5	35	122	e94	e105	e56	e48	236	367	54	165	108	112
6	1170	111	e91	e155	e54	e52	239	282	253	532	64	65
7	1420	105	e91	e110	e52	e52	273	255	323	215	43	52
8	342	100	e91	e96	e52	e87	380	282	211	123	35	47
9	192	90	e100	e90	e52	e100	393	349	136	428	37	44
10	139	83	e121	e85	e49	e160	436	382	95	459	52	37
11	121	206	e82	e81	e47	e1730	422	307	76	205	43	150
12	272	325	e64	e81	e47	2180	288	274	63	137	32	82
13	242	183	e170	e90	e43	636	237	258	53	123	27	52
14	150	148	318	e115	e42	e340	207	267	48	117	26	41
15	115	144	299	e293	e41	e230	206	211	42	127	39	34
16	982	281	178	e314	e42	e180	208	174	37	92	56	31
17	687	233	e161	e190	e43	e160	217	161	33	69	42	29
18	462	164	e159	e122	e43	e140	191	152	30	134	66	26
19	336	147	e159	e100	e68	e125	295	138	27	136	150	29
20	257	205	e191	e84	e115	e115	637	122	26	156	102	33
21	210	235	e144	e72	e124	e105	1740	111	105	90	63	27
22	183	187	e140	e64	e79	e95	2760	101	907	67	44	27
23	166	621	e130	e53	e64	e90	2190	91	278	55	35	218
24	153	508	e125	e143	e57	e85	1690	95	144	52	31	98
25	141	469	e236	e273	e54	e80	1230	e130	173	44	27	61
26	135	288	e236	e178	e54	e80	712	e110	137	38	24	48
27	128	215	e180	e125	e54	1570	604	e98	90	35	23	52
28	138	190	e150	e105	e53	1900	571	e87	75	37	81	59
29	122	176	e130	e95	e52	1310	555	e79	59	33	58	47
30	109	162	e110	e82	---	520	617	e71	49	29	58	41
31	107	---	e100	e76	---	336	---	e66	---	29	40	---
TOTAL	8699	6418	4596	3724	1697	12696	18697	7262	3911	3926	1838	1853
MEAN	281	214	148	120	58.5	410	623	234	130	127	59.3	61.8
MAX	1420	621	318	314	124	2180	2760	646	907	532	189	219
MIN	35	83	64	53	41	46	191	66	26	29	23	26
CFSM	2.90	2.21	1.53	1.24	.60	4.23	6.43	2.42	1.35	1.31	.61	.64
IN.	3.34	2.46	1.76	1.43	.65	4.87	7.18	2.79	1.50	1.51	.71	.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1992, BY WATER YEAR (WY)

MEAN	145	209	153	103	92.1	198	616	499	170	79.8	63.8	73.6
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1930 - 1992	
ANNUAL TOTAL	80658.8		75317			
ANNUAL MEAN	221		206		200	
HIGHEST ANNUAL MEAN					296	1974
LOWEST ANNUAL MEAN					103	1941
HIGHEST DAILY MEAN	2820	Apr 9	2760	Apr 22	9120	Apr 1 1987
LOWEST DAILY MEAN	9.8	Aug 3	23	Aug 27	3.8	Sep 16 1948
ANNUAL SEVEN-DAY MINIMUM	11	Jul 29	29	Sep 16	4.3	Sep 11 1948
INSTANTANEOUS PEAK FLOW			4540	Mar 11	16800	Oct 24 1959
INSTANTANEOUS PEAK STAGE			8.51	Mar 11	12.87	Oct 24 1959
INSTANTANEOUS LOW FLOW			25	Aug 27	3.8	Sep 16 1948
ANNUAL RUNOFF (CFSM)	2.28		2.12		2.07	
ANNUAL RUNOFF (INCHES)	30.96		28.91		28.07	
10 PERCENT EXCEEDS	491		402		492	
50 PERCENT EXCEEDS	111		110		82	
90 PERCENT EXCEEDS	31		40		22	

e Estimated

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 mi^2.
PERIOD OF RECORD.--Discharge: August 1941 to current year.
Chemical analyses: Water years 1955, 1961.
REVISED RECORDS.--WDR ME-81-1: Drainge area.
GAGE.--Water-stage recorder. Datum of gage is 276.29 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Dec. 5-8, 11, Dec. 16 to Mar. 20, Mar. 22 and 24-25. Records good except for periods of ice effect, Dec. 5-8, 11, Dec. 16 to Mar. 20, Mar. 22 and 24-25, which are fair. 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,13,900 ft^3/s, Mar. 27,1953, gage height,11.18 ft; minimum, 5.6 ft^3/s, Aug. 29, 1956, gage height, 0.72 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 12	2100	*3,420	*[a]6.59	Mar. 29	1600	3,120	5.77

Minimum discharge, 24 ft^3/s, Sept. 3, 22, gage height, 1.05 ft.
a Ice jam

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	191	304	e303	e160	e140	901	416	76	65	81	27
2	181	248	286	e260	e150	e135	861	384	112	58	118	26
3	165	250	266	e240	e145	e130	825	374	112	52	98	27
4	152	225	261	e220	e140	e125	729	359	92	52	75	51
5	135	203	e239	e340	e135	e128	660	333	87	61	108	68
6	137	185	e222	e469	e130	e150	625	307	233	142	186	59
7	561	173	e222	e439	e125	e200	611	288	625	189	130	49
8	691	164	e226	e401	e123	e239	608	264	483	170	89	44
9	502	154	231	e340	e120	e327	600	248	372	146	73	41
10	377	145	255	e290	e118	e388	558	251	278	182	77	38
11	310	214	e272	e250	e115	e1260	528	244	202	180	88	39
12	299	571	239	e225	e114	e2910	474	226	154	145	75	40
13	357	607	260	e210	e113	e2380	416	212	123	112	59	39
14	327	474	384	e340	e112	e1220	403	204	104	95	51	35
15	276	396	514	e626	e110	e763	410	189	103	90	49	32
16	326	358	e479	e750	e125	e525	424	176	107	86	48	30
17	448	326	e440	e520	e140	e454	455	165	90	74	48	31
18	487	290	e390	e370	e160	e396	457	157	70	84	56	31
19	464	259	e350	e260	e190	e348	518	147	61	140	63	31
20	391	243	e315	e215	e250	e295	673	145	57	182	63	28
21	327	231	e285	e180	e225	276	778	137	81	146	55	26
22	290	219	e260	e155	e205	e257	808	123	138	109	48	26
23	258	410	e240	e130	e195	241	809	110	203	85	42	57
24	235	665	e225	e429	e180	e226	859	98	178	73	38	62
25	218	791	e215	e495	e170	e219	1120	94	159	63	34	60
26	207	675	e200	e378	e160	224	1020	91	140	55	32	53
27	197	523	e190	e311	e155	1040	776	87	114	50	30	64
28	195	428	e180	e265	e150	2650	625	83	95	47	30	84
29	185	371	e170	e225	e145	3040	529	78	81	42	31	87
30	170	333	e250	e190	---	2200	464	71	70	40	30	72
31	165	---	e388	e170	---	1260	---	67	---	38	29	---
TOTAL	9240	10322	8758	9996	4360	24146	19524	6128	4800	3053	2034	1357
MEAN	298	344	283	322	150	779	651	198	160	98.5	65.6	45.2
MAX	691	791	514	750	250	3040	1120	416	625	189	186	87
MIN	135	145	170	130	110	125	403	67	57	38	29	26
CFSM	1.76	2.04	1.67	1.91	.89	4.61	3.85	1.17	.95	.58	.39	.27
IN.	2.03	2.27	1.93	2.20	.96	5.31	4.30	1.35	1.06	.67	.45	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1992, BY WATER YEAR (WY)

MEAN	169	311	302	210	226	499	961	453	227	113	84.3	85.2
MAX	852	828	1384	827	1066	1747	1769	1102	695	536	440	883
(WY)	1978	1984	1974	1978	1970	1953	1969	1989	1984	1973	1976	1954
MIN	22.1	45.3	46.4	38.2	40.3	101	333	148	44.7	23.7	20.5	19.6
(WY)	1948	1953	1979	1948	1980	1967	1981	1959	1964	1965	1970	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1942 - 1992	
ANNUAL TOTAL	105787		103718			
ANNUAL MEAN	290		283		303	
HIGHEST ANNUAL MEAN					482	1984
LOWEST ANNUAL MEAN					144	1965
HIGHEST DAILY MEAN	2140	Apr 23	3040	Mar 29	10800	Mar 27 1953
LOWEST DAILY MEAN	20	Aug 3	26	Sep 2	5.8	Aug 28 1956
ANNUAL SEVEN-DAY MINIMUM	21	Jul 29	29	Aug 28	6.6	Aug 24 1956
INSTANTANEOUS PEAK FLOW			3420	Mar 12	13900	Mar 27 1953
INSTANTANEOUS PEAK STAGE			6.59	Mar 12	11.18	Mar 27 1953
INSTANTANEOUS LOW FLOW			24	Sep 3	5.6	Aug 29 1956
ANNUAL RUNOFF (CFSM)	1.71		1.68		1.79	
ANNUAL RUNOFF (INCHES)	23.29		22.83		24.36	
10 PERCENT EXCEEDS	661		580		738	
50 PERCENT EXCEEDS	191		190		149	
90 PERCENT EXCEEDS	36		50		36	

e Estimated

01056000 GULF ISLAND POND NEAR LEWISTON, ME
5 FOOT LEVEL

LOCATION.--Lat 44°08'50", long 70°12'25", Androscoggin County, Hydrologic Unit 01040002, on the upstream side 300 ft from left edge of Gulf Island dam on the Androscoggin River, 4.0 mi north of Lewiston, 5.0 mi upstream from the mouth of the Little Androscoggin River.
DRAINAGE AREA.--2,863 mi^2.
PERIOD OF RECORD.--June to September 1992.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June to September 1992.
WATER TEMPERATURE: June to September 1992.
DISSOLVED OXYGEN: June to September 1992.
INSTRUMENTATION.--Water quality monitor since June 1992. Continuous flow through system. Submersible pump located 5 ft below pond elevation 262 ft. and 13 ft. below top of dam (elev. 270 ft.).
REMARKS.--Interruptions in the record were due to malfunctions of the monitor or pumping system.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 157 microsiemens, Sept. 5, 1992; minimum, 76 microsiemens, June 1, 1992.
WATER TEMPERATURE: Maximum, 25.0°C, July 1, 22, 1992; minimum, 17.5°C, June 1, Sept. 30, 1992.
DISSOLVED OXYGEN: Maximum, 10.5 mg/L, July 2, 1992; minimum, 5.8 mg/L, June 29, 1992.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	91	76	83	128	116	121	120	107	117	132	129	130
2	97	89	92	127	103	112	121	117	118	139	132	135
3	103	95	97	113	100	104	128	121	124	145	138	142
4	99	96	97	105	99	102	129	126	127	145	143	144
5	100	95	98	104	98	101	129	126	127	157	143	149
6	109	96	103	110	103	106	143	127	134	156	135	142
7	111	102	107	112	107	109	144	142	143	138	134	136
8	112	106	109	127	109	116	143	141	142	136	133	135
9	112	106	109	133	118	127	142	138	140	148	133	137
10	118	109	112	130	116	122	138	121	135	146	139	142
11	109	99	104	135	124	129	136	117	130	141	139	140
12	107	97	101	138	122	131	133	121	127	141	140	140
13	100	95	98	128	111	120	121	117	119	142	139	141
14	99	92	97	123	108	114	118	111	115	141	137	140
15	95	77	87	117	104	111	115	113	114	140	137	138
16	84	77	79	110	83	102	115	114	115	137	135	136
17	91	79	82	106	90	101	117	115	115	136	135	135
18	92	81	86	101	89	95	120	116	117	136	130	134
19	99	89	94	106	96	100	124	118	121	132	131	131
20	105	92	100	111	98	101	123	120	121	142	132	138
21	108	100	104	109	101	105	131	121	126	138	138	138
22	108	100	104	112	99	106	132	128	129	138	134	137
23	131	107	116	118	104	110	130	119	126	138	134	136
24	134	122	129	124	108	117	129	125	127	139	137	137
25	137	126	133	124	111	114	131	126	128	138	137	138
26	154	125	138	113	112	113	133	128	130	141	138	139
27	150	120	136	113	112	113	135	131	133	150	139	141
28	144	125	136	124	112	117	132	121	127	149	142	144
29	134	104	125	---	---	---	123	120	122	143	141	142
30	127	104	116	---	---	---	123	122	122	146	142	143
31	---	---	---	---	---	---	129	123	126	---	---	---
MONTH	154	76	106	138	83	111	144	107	126	157	129	139
PERIOD	**157**	**76**	**121**									

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.3	7.5	7.9	9.7	7.3	8.6	7.4	7.0	7.2	7.9	7.6	7.7
2	8.4	7.6	8.0	10.5	8.4	9.4	7.1	6.6	6.9	8.0	7.4	7.6
3	8.1	7.0	7.7	9.8	7.9	9.0	6.9	6.4	6.7	7.4	7.0	7.3
4	8.9	7.1	7.9	8.0	7.0	7.8	7.1	6.5	6.7	7.1	6.7	7.0
5	9.3	8.6	9.0	7.6	7.2	7.4	7.2	6.5	6.9	6.8	6.2	6.6
6	9.0	8.3	8.6	7.4	6.6	7.1	7.1	6.5	6.8	6.8	6.5	6.6
7	8.3	6.9	7.9	7.8	6.9	7.3	7.2	6.7	6.9	6.9	6.7	6.8
8	8.5	7.2	7.6	7.6	6.6	7.2	7.2	7.0	7.1	7.4	6.6	6.9
9	9.3	7.5	8.6	7.9	6.9	7.2	7.4	7.0	7.2	7.6	6.9	7.1
10	9.1	8.4	8.7	8.0	7.3	7.6	7.6	7.1	7.3	7.6	7.0	7.3
11	8.9	8.0	8.5	8.1	7.2	7.7	8.0	6.9	7.3	8.8	7.2	7.7
12	8.0	7.1	7.6	7.7	7.1	7.5	8.5	8.0	8.2	8.3	7.9	8.1
13	7.4	6.8	7.1	8.3	7.2	7.7	8.2	7.7	7.9	8.0	7.4	7.7
14	7.7	7.0	7.3	8.0	7.5	7.8	7.8	7.4	7.6	7.6	7.2	7.4
15	8.8	7.8	8.4	7.7	7.0	7.4	7.6	7.2	7.4	7.9	7.4	7.5
16	8.7	7.9	8.4	7.6	7.0	7.4	7.3	6.8	7.1	8.2	7.7	8.0
17	8.1	7.2	7.7	7.6	6.6	7.2	6.9	6.6	6.7	8.1	7.5	7.8
18	7.5	6.6	7.2	8.4	7.0	7.7	7.0	6.5	6.7	8.4	7.8	8.1
19	7.4	7.0	7.2	8.6	7.5	8.0	7.3	6.5	6.8	8.8	7.6	8.2
20	7.3	6.5	6.9	7.9	7.3	7.6	7.4	6.8	7.1	8.4	7.9	8.2
21	7.1	6.7	6.9	8.5	7.5	8.1	7.6	7.1	7.4	8.2	7.6	8.0
22	7.3	6.9	7.0	8.6	7.9	8.2	9.1	7.0	7.7	7.9	7.3	7.6
23	7.3	6.7	6.9	8.0	7.5	7.8	8.1	6.7	7.5	7.7	7.4	7.5
24	6.7	6.3	6.5	8.1	7.4	7.7	7.7	7.1	7.3	7.7	7.3	7.5
25	7.2	6.1	6.4	7.5	6.7	7.1	7.9	7.5	7.7	7.5	7.2	7.3
26	7.2	6.4	6.7	6.9	6.7	6.8	8.2	7.5	7.8	7.5	7.2	7.3
27	7.1	6.0	6.7	7.4	6.7	7.0	8.2	7.5	7.8	7.8	7.2	7.4
28	8.3	6.8	7.6	8.2	7.3	7.7	8.4	7.8	8.1	7.8	7.5	7.6
29	7.8	5.8	6.9	---	---	---	7.8	6.9	7.5	8.0	7.5	7.7
30	7.8	6.3	6.9	---	---	---	7.9	7.5	7.7	8.1	7.8	8.0
31	---	---	---	---	---	---	7.9	7.5	7.7	---	---	---
MONTH	9.3	5.8	7.6	10.5	6.6	7.7	9.1	6.4	7.3	8.8	6.2	7.5
PERIOD	**10.5**	**5.8**	**7.5**									

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 microsiemens, Aug. 20, 1988; minimum, 21 microsiemens, Apr. 2, 1987.
pH: Maximum, 7.3 units, Aug. 20, 1983, Dec. 20, 21, 1985; 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, 150 microsiemens, Sept. 27; minimum, 29 microsiemens, Mar. 30, 31.
pH: Maximum, 7.2 units, Feb. 13, 14, Mar. 11, July 1; minimum, 6.0 units, Oct. 9.
WATER TEMPERATURE: Maximum, 25.0°C, July 28; minimum, 0.0°C, on many days during winter period.
DISSOLVED OXYGEN: Maximum, 14.7 mg/L, Mar. 14, 15; minimum, 5.8 mg/L, June 27.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	87	80	83	---	---	---	65	61	62	92	91	92
2	80	77	78	---	---	---	70	64	67	92	91	91
3	80	77	79	---	---	---	76	70	72	93	91	92
4	86	79	82	---	---	---	79	76	78	93	92	93
5	86	83	85	109	107	108	81	78	79	92	90	91
6	87	84	85	109	106	108	81	80	81	94	90	92
7	115	87	96	107	103	106	83	81	82	95	93	95
8	118	48	91	103	97	100	85	81	83	98	95	96
9	59	40	45	98	90	95	85	83	84	98	97	98
10	46	42	43	91	90	90	97	84	89	99	97	98
11	50	44	47	90	89	90	104	93	98	98	90	95
12	55	51	53	91	90	90	102	99	100	94	91	92
13	56	55	55	95	91	93	99	93	97	94	92	92
14	61	56	58	100	95	97	96	88	92	93	91	92
15	63	61	62	99	91	97	90	87	88	96	91	94
16	64	63	63	92	80	86	90	89	90	102	96	99
17	64	62	63	81	76	79	89	85	87	105	102	104
18	65	63	64	78	76	77	85	78	84	105	103	104
19	63	54	60	81	78	79	82	71	78	104	101	103
20	55	51	52	81	80	81	74	69	71	102	99	102
21	55	52	53	82	81	81	74	69	71	100	96	99
22	60	55	57	82	82	82	76	72	73	99	96	97
23	60	59	60	86	82	83	85	74	79	103	98	101
24	---	---	---	89	84	86	90	81	84	104	102	103
25	---	---	---	88	83	86	94	88	91	106	103	104
26	---	---	---	83	73	78	94	93	94	108	104	106
27	---	---	---	73	66	69	94	92	94	113	108	110
28	---	---	---	66	62	64	94	90	93	114	111	113
29	---	---	---	62	60	61	92	87	89	116	113	114
30	---	---	---	61	60	60	89	87	88	115	111	114
31	---	---	---	---	---	---	92	89	91	112	108	110
MONTH	118	40	66	109	60	86	104	61	84	116	90	100

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	112	110	111	---	---	---	40	31	34	53	51	52
2	113	111	112	---	---	---	46	39	42	54	52	53
3	112	111	112	---	---	---	53	45	50	57	55	56
4	112	111	112	121	120	120	57	52	54	63	56	58
5	115	112	113	122	121	121	60	56	58	63	60	62
6	117	113	115	125	122	122	62	59	60	62	56	58
7	116	115	115	128	123	126	63	61	62	58	52	55
8	116	115	115	129	127	128	65	62	64	54	51	52
9	117	115	116	128	127	128	68	64	66	52	50	51
10	117	114	116	128	127	127	70	67	68	54	51	52
11	116	114	115	127	122	125	68	65	67	55	52	54
12	117	114	115	121	83	108	65	62	64	60	55	56
13	119	116	117	81	40	56	63	61	62	60	57	58
14	119	118	118	40	31	35	63	61	62	59	57	58
15	118	117	117	33	31	32	63	61	62	61	59	60
16	119	118	118	41	33	36	68	62	64	61	58	59
17	120	118	119	49	40	43	72	66	69	59	58	58
18	119	119	119	58	46	51	76	72	74	60	58	59
19	120	119	119	67	57	60	81	74	78	59	57	58
20	122	120	121	70	65	67	84	80	82	59	58	58
21	121	121	121	77	69	71	87	84	85	61	58	60
22	121	120	121	80	74	77	88	74	84	68	60	63
23	121	120	120	79	78	79	72	40	55	70	66	67
24	122	121	121	84	79	81	42	35	38	72	67	70
25	122	122	122	90	83	86	37	35	36	72	70	71
26	123	120	122	93	87	90	38	36	37	75	71	73
27	122	117	120	100	91	94	39	37	38	77	74	75
28	122	117	118	99	65	89	41	38	40	81	75	78
29	---	---	---	60	32	42	46	40	43	85	80	81
30	---	---	---	31	29	30	51	46	48	85	82	84
31	---	---	---	31	29	30	---	---	---	85	83	84
MONTH	123	110	117	129	29	80	88	31	58	85	50	62

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	86	80	83	115	99	103	121	116	119	139	136	137
2	84	81	82	115	106	111	121	119	120	143	138	140
3	84	81	82	111	106	108	127	121	124	145	143	145
4	88	83	85	109	106	108	130	126	128	146	144	145
5	88	84	85	110	108	109	130	127	128	146	140	145
6	89	83	85	115	109	110	132	129	130	140	135	137
7	95	88	91	119	111	114	131	128	130	140	137	138
8	101	93	98	126	114	120	130	128	129	139	138	139
9	100	96	98	130	120	126	129	126	128	140	138	139
10	99	94	97	125	120	122	127	123	126	139	133	137
11	95	89	92	127	122	124	126	109	119	140	134	138
12	87	76	84	124	115	119	122	115	119	141	140	140
13	85	74	79	120	110	115	115	111	114	141	139	140
14	83	74	78	115	110	112	114	110	112	141	138	140
15	81	76	78	113	106	109	113	112	112	140	136	138
16	83	79	81	108	102	105	112	112	112	137	136	136
17	83	81	82	103	97	100	114	112	113	136	135	136
18	89	82	84	100	98	99	120	114	116	137	136	136
19	93	88	90	100	99	100	125	117	122	137	136	137
20	100	91	95	109	100	102	126	119	122	137	137	137
21	102	99	100	108	103	105	122	120	121	137	137	137
22	110	101	104	110	105	107	126	121	122	138	135	137
23	127	110	116	113	108	110	130	121	125	136	135	135
24	131	115	126	112	110	111	130	125	127	137	136	136
25	131	116	128	115	112	113	133	126	129	137	137	137
26	124	97	106	115	114	115	133	130	131	145	137	140
27	115	86	99	115	114	115	135	130	132	150	139	145
28	116	83	93	114	114	114	135	131	133	149	141	145
29	110	82	94	---	---	---	133	130	132	144	141	142
30	108	92	97	---	---	---	133	133	133	142	140	141
31	---	---	---	---	---	---	136	133	134	---	---	---
MONTH	131	74	93	130	97	111	136	109	124	150	133	139
YEAR	**150**	**29**	**94**									

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.6	6.6	6.6	---	---	---	6.8	6.8	6.8	6.9	6.9	6.9
2	6.6	6.6	6.6	---	---	---	6.9	6.8	6.8	7.0	6.9	6.9
3	6.6	6.6	6.6	---	---	---	---	---	---	7.0	6.9	6.9
4	6.6	6.5	6.6	---	---	---	---	---	---	6.9	6.9	6.9
5	6.5	6.4	6.5	7.0	7.0	7.0	7.0	6.8	6.9	7.0	6.9	6.9
6	6.5	6.4	6.4	7.0	6.8	6.9	6.9	6.8	6.8	7.0	7.0	7.0
7	6.6	6.5	6.5	6.8	6.8	6.8	6.9	6.8	6.8	7.0	6.9	7.0
8	6.6	6.2	6.5	6.8	6.8	6.8	6.8	6.8	6.8	7.0	6.9	7.0
9	6.3	6.0	6.2	6.9	6.8	6.8	6.8	6.8	6.8	7.0	7.0	7.0
10	6.2	6.1	6.2	6.9	6.8	6.8	6.9	6.8	6.9	7.0	6.9	7.0
11	6.3	6.2	6.2	7.0	6.8	6.9	7.0	6.9	6.9	6.9	6.9	6.9
12	6.4	6.3	6.3	6.9	6.8	6.9	7.0	6.9	7.0	7.0	6.9	6.9
13	6.4	6.3	6.4	7.0	6.9	6.9	7.0	6.9	6.9	7.0	7.0	7.0
14	6.4	6.3	6.4	7.0	7.0	7.0	7.0	6.9	6.9	7.0	7.0	7.0
15	6.5	6.4	6.5	7.0	7.0	7.0	7.0	6.9	6.9	7.0	6.9	7.0
16	6.5	6.5	6.5	7.0	6.8	6.9	7.0	7.0	7.0	7.0	6.9	7.0
17	6.6	6.5	6.6	6.9	6.8	6.9	7.0	7.0	7.0	7.0	7.0	7.0
18	6.6	6.6	6.6	6.9	6.8	6.9	7.0	6.9	7.0	7.0	6.9	7.0
19	6.6	6.5	6.6	6.8	6.8	6.8	7.0	6.9	6.9	7.0	6.9	7.0
20	6.5	6.4	6.5	6.9	6.8	6.8	7.0	6.9	6.9	7.0	7.0	7.0
21	6.5	6.3	6.4	6.9	6.8	6.8	7.0	6.9	6.9	7.0	7.0	7.0
22	6.4	6.3	6.4	6.8	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0
23	6.4	6.4	6.4	6.9	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0
24	---	---	---	6.9	6.8	6.9	6.9	6.9	6.9	7.0	7.0	7.0
25	---	---	---	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.9	7.0
26	---	---	---	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0
27	---	---	---	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0
28	---	---	---	6.9	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0
29	---	---	---	6.8	6.8	6.8	6.9	6.9	6.9	7.1	7.0	7.0
30	---	---	---	6.8	6.8	6.8	6.9	6.8	6.9	7.1	7.0	7.1
31	---	---	---	---	---	---	6.9	6.9	6.9	7.1	7.0	7.0
MONTH	6.6	6.0	6.5	7.0	6.8	6.9	7.0	6.8	6.9	7.1	6.9	7.0

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

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.7	6.6	6.7	7.2	6.7	6.7	6.6	6.4	6.5	6.9	6.8	6.9
2	6.7	6.6	6.7	7.1	6.8	6.9	6.5	6.4	6.4	6.9	6.8	6.8
3	6.7	6.5	6.6	6.9	6.7	6.8	6.5	6.4	6.4	6.8	6.8	6.8
4	6.6	6.5	6.5	6.8	6.6	6.8	6.5	6.4	6.4	6.8	6.7	6.8
5	6.7	6.5	6.6	6.8	6.8	6.8	6.5	6.4	6.5	6.7	6.6	6.7
6	6.9	6.7	6.8	6.7	6.6	6.6	6.5	6.4	6.5	6.7	6.6	6.7
7	6.8	6.6	6.7	6.6	6.5	6.6	6.5	6.4	6.5	6.7	6.7	6.7
8	6.9	6.6	6.7	6.7	6.5	6.6	6.6	6.5	6.5	6.7	6.7	6.7
9	7.1	6.7	6.9	6.7	6.6	6.6	6.6	6.5	6.5	6.8	6.7	6.7
10	7.1	6.8	6.9	6.8	6.6	6.6	6.6	6.4	6.5	6.8	6.7	6.7
11	7.0	6.7	6.9	6.7	6.5	6.6	6.5	6.4	6.4	6.9	6.7	6.8
12	6.8	6.6	6.7	6.7	6.5	6.6	6.7	6.4	6.5	6.9	6.8	6.8
13	6.7	6.6	6.6	6.8	6.6	6.7	6.6	6.4	6.5	6.8	6.7	6.8
14	6.7	6.6	6.6	6.7	6.6	6.7	6.8	6.4	6.6	6.8	6.7	6.7
15	6.9	6.6	6.8	6.7	6.5	6.6	6.8	6.7	6.8	6.7	6.7	6.7
16	6.8	6.6	6.7	6.6	6.5	6.5	6.7	6.7	6.7	6.8	6.7	6.7
17	6.7	6.5	6.6	6.6	6.4	6.5	6.7	6.7	6.7	6.7	6.7	6.7
18	6.6	6.5	6.6	6.7	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7
19	6.7	6.6	6.6	6.7	6.6	6.6	6.8	6.7	6.7	6.9	6.7	6.8
20	6.6	6.5	6.6	6.7	6.6	6.6	6.8	6.7	6.7	6.8	6.7	6.8
21	6.6	6.5	6.6	6.8	6.6	6.7	6.8	6.6	6.7	6.8	6.7	6.8
22	6.7	6.6	6.7	6.9	6.6	6.8	6.6	6.6	6.6	6.8	6.7	6.8
23	6.8	6.6	6.7	6.9	6.7	6.8	6.6	6.6	6.6	6.7	6.7	6.7
24	6.7	6.6	6.7	6.8	6.7	6.8	6.7	6.6	6.6	6.8	6.7	6.7
25	6.8	6.7	6.8	6.7	6.6	6.7	6.7	6.6	6.7	6.7	6.7	6.7
26	6.8	6.6	6.7	6.7	6.6	6.7	6.7	6.6	6.7	6.8	6.7	6.7
27	6.7	6.6	6.7	6.7	6.6	6.6	6.7	6.7	6.7	6.8	6.7	6.8
28	6.7	6.6	6.7	6.9	6.6	6.8	6.7	6.6	6.7	6.8	6.7	6.7
29	6.7	6.6	6.7	---	---	---	6.8	6.6	6.7	6.8	6.7	6.8
30	6.7	6.6	6.7	---	---	---	6.9	6.7	6.8	6.8	6.8	6.8
31	---	---	---	---	---	---	6.9	6.7	6.8	---	---	---
MONTH	7.1	6.5	6.7	7.2	6.4	6.7	6.9	6.4	6.6	6.9	6.6	6.7
YEAR	**7.2**	**6.0**	**6.8**									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.5	.0	.5	---	---	---	1.0	.5	1.0	9.0	7.0	8.0
2	.5	.0	.5	---	---	---	1.5	1.0	1.0	9.0	8.0	8.5
3	.5	.5	.5	---	---	---	2.0	1.0	1.5	10.0	9.0	9.0
4	.5	.5	.5	.0	.0	.0	2.5	1.5	2.0	9.5	9.0	9.5
5	.5	.0	.5	.0	.0	.0	2.5	2.0	2.5	9.5	9.0	9.5
6	.5	.0	.0	.5	.0	.0	2.5	2.5	2.5	9.5	9.0	9.5
7	.0	.0	.0	.5	.0	.0	3.0	2.5	3.0	9.5	9.0	9.0
8	.5	.0	.0	.5	.0	.5	3.5	3.0	3.5	9.5	9.0	9.5
9	.0	.0	.0	.5	.0	.5	4.0	3.0	3.5	10.0	9.5	9.5
10	.0	.0	.0	.5	.0	.5	5.5	4.0	5.0	10.5	9.5	10.0
11	.0	.0	.0	.5	.0	.5	5.5	5.0	5.5	11.0	9.5	10.5
12	.0	.0	.0	.5	.0	.5	5.5	5.0	5.5	12.0	10.5	11.0
13	.0	.0	.0	.0	.0	.0	5.0	4.0	4.5	12.5	11.5	12.0
14	.0	.0	.0	.5	.0	.0	4.0	4.0	4.0	14.5	12.0	13.5
15	.0	.0	.0	.5	.0	.5	4.0	4.0	4.0	14.5	14.0	14.0
16	.0	.0	.0	.5	.0	.5	4.0	3.5	4.0	14.5	14.0	14.5
17	.0	.0	.0	.5	.5	.5	4.0	3.5	3.5	15.5	14.5	14.5
18	.0	.0	.0	.5	.5	.5	4.0	3.5	4.0	16.5	15.0	15.5
19	.0	.0	.0	.5	.5	.5	5.0	4.0	4.5	15.5	15.5	15.5
20	.5	.0	.0	.5	.5	.5	5.5	4.5	5.0	16.0	15.5	15.5
21	.5	.0	.0	.5	.5	.5	7.0	5.5	6.0	17.0	15.5	16.0
22	.5	.0	.5	.5	.5	.5	8.5	6.5	7.5	17.0	16.0	16.5
23	.5	.0	.5	.5	.5	.5	8.5	6.5	7.5	17.5	16.5	17.0
24	.5	.0	.5	.5	.5	.5	6.5	5.0	5.5	---	---	---
25	.5	.0	.0	.5	.5	.5	5.0	5.0	5.0	19.0	18.0	18.5
26	.5	.0	.5	.5	.5	.5	5.0	4.0	4.5	18.0	17.5	18.0
27	.5	.0	.5	1.0	.5	.5	4.5	3.5	4.0	18.0	17.5	17.5
28	.5	.0	.0	1.5	.5	1.0	5.0	4.0	4.5	19.0	17.5	18.0
29	---	---	---	1.0	.5	.5	6.0	5.0	5.5	18.0	18.0	18.0
30	---	---	---	1.0	.5	.5	7.5	6.0	6.5	18.0	18.0	18.0
31	---	---	---	.5	.5	.5	---	---	---	18.0	18.0	18.0
MONTH	.5	.0	.0	1.5	.0	.5	8.5	.5	4.0	19.0	7.0	13.5

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

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.1	8.6	8.9	---	---	---	12.6	12.3	12.5	13.5	13.4	13.5
2	9.4	9.1	9.2	---	---	---	12.6	12.5	12.6	13.5	13.4	13.5
3	9.3	9.1	9.2	---	---	---	12.7	12.5	12.6	13.5	13.4	13.4
4	9.2	8.9	9.1	---	---	---	12.7	12.6	12.6	13.6	13.4	13.5
5	9.0	8.8	8.9	10.6	10.5	10.6	12.7	12.5	12.6	13.7	13.4	13.6
6	9.0	8.2	8.7	10.6	10.4	10.5	12.5	12.4	12.5	13.7	13.5	13.6
7	9.0	8.6	8.9	10.5	10.4	10.4	12.5	12.4	12.5	13.5	13.5	13.5
8	9.9	8.5	9.0	10.5	10.4	10.4	12.7	12.3	12.5	13.5	13.3	13.4
9	10.2	9.6	10.0	10.5	10.4	10.5	12.7	12.3	12.5	13.3	13.2	13.2
10	10.3	10.1	10.2	10.7	10.5	10.6	12.9	12.5	12.7	13.2	12.8	13.0
11	10.2	10.1	10.1	11.1	10.7	10.9	13.1	12.7	12.9	13.2	12.9	13.0
12	10.2	9.9	10.1	11.3	11.0	11.1	13.0	12.8	13.0	13.4	13.1	13.2
13	10.0	9.8	9.9	11.9	11.4	11.7	13.2	12.9	13.0	13.5	13.1	13.3
14	9.8	9.7	9.8	12.1	11.8	11.9	13.4	12.9	13.2	13.5	13.3	13.4
15	9.7	9.6	9.7	12.2	12.0	12.1	13.4	13.2	13.4	13.4	13.3	13.4
16	10.0	9.7	9.9	12.3	12.1	12.2	13.4	13.3	13.3	14.1	13.4	13.9
17	10.5	9.9	10.2	12.3	12.1	12.2	13.3	13.2	13.3	14.1	13.9	14.0
18	10.7	10.4	10.5	12.5	12.1	12.4	13.3	13.1	13.2	13.9	13.8	13.9
19	10.8	10.5	10.7	12.5	12.3	12.4	13.6	13.2	13.3	14.0	13.8	13.9
20	10.7	10.5	10.7	12.5	12.2	12.4	13.7	13.4	13.6	14.1	13.9	14.0
21	10.5	10.2	10.4	12.6	12.4	12.5	13.8	13.4	13.6	14.2	13.9	14.1
22	10.2	10.0	10.1	12.6	12.4	12.5	13.7	13.5	13.6	14.2	14.0	14.1
23	10.1	10.0	10.0	12.6	12.5	12.5	13.6	13.4	13.5	14.1	14.0	14.1
24	---	---	---	12.5	12.1	12.4	13.5	13.4	13.5	14.1	14.0	14.1
25	---	---	---	12.2	11.8	11.9	13.5	13.4	13.5	14.1	14.0	14.0
26	---	---	---	11.9	11.8	11.8	13.5	13.4	13.5	14.0	13.9	14.0
27	---	---	---	12.0	11.8	11.9	13.5	13.3	13.4	13.9	13.7	13.9
28	---	---	---	12.0	11.9	12.0	13.4	13.3	13.3	13.7	13.5	13.6
29	---	---	---	12.2	12.0	12.1	13.5	13.4	13.5	14.0	13.6	13.8
30	---	---	---	12.3	12.2	12.3	13.5	13.4	13.5	14.1	13.8	14.0
31	---	---	---	---	---	---	13.5	13.4	13.4	14.1	13.9	14.0
MONTH	10.8	8.2	9.7	12.6	10.4	11.7	13.8	12.3	13.1	14.2	12.8	13.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	14.1	13.9	14.0	---	---	---	14.5	14.3	14.4	12.2	11.8	12.0
2	14.1	13.9	14.0	---	---	---	14.3	14.1	14.2	11.8	11.6	11.7
3	14.0	13.6	13.8	---	---	---	14.1	13.6	13.8	11.5	11.3	11.4
4	13.8	13.6	13.7	13.4	13.2	13.3	13.6	13.3	13.5	11.3	11.1	11.2
5	13.7	13.2	13.6	13.5	13.3	13.4	13.3	13.2	13.3	11.2	11.1	11.1
6	13.3	13.2	13.3	13.6	13.3	13.5	13.2	13.1	13.2	11.1	11.0	11.1
7	13.2	13.1	13.2	13.6	13.4	13.5	13.2	13.0	13.1	11.3	11.1	11.1
8	13.1	13.0	13.1	13.7	13.4	13.5	13.1	12.9	13.0	11.4	11.2	11.2
9	13.1	13.0	13.0	13.7	13.5	13.6	13.0	12.8	12.9	11.3	11.1	11.2
10	13.1	12.9	13.0	13.6	13.5	13.6	12.8	12.5	12.6	11.4	11.1	11.3
11	13.2	12.9	13.0	13.6	13.4	13.5	12.5	12.4	12.4	11.3	10.9	11.1
12	13.1	12.9	13.0	13.5	13.3	13.4	12.4	12.3	12.4	10.9	10.4	10.8
13	13.0	12.8	13.0	14.5	13.5	14.2	12.6	12.4	12.5	10.6	10.2	10.4
14	13.2	12.8	13.0	14.7	14.5	14.6	12.8	12.6	12.7	10.5	10.1	10.3
15	13.2	13.0	13.1	14.7	14.5	14.6	12.9	12.7	12.8	10.6	10.2	10.4
16	13.4	13.0	13.2	14.6	14.4	14.5	13.1	12.9	13.0	10.6	10.2	10.3
17	13.3	13.0	13.2	14.4	14.3	14.4	13.2	13.1	13.1	10.4	9.9	10.1
18	13.3	13.0	13.2	14.3	14.1	14.2	13.0	12.9	13.0	10.6	9.9	10.1
19	13.2	13.0	13.1	14.2	14.0	14.1	12.9	12.5	12.8	9.8	9.5	9.6
20	13.1	13.0	13.0	14.1	13.9	14.0	12.6	12.4	12.5	9.7	9.2	9.5
21	13.0	12.9	13.0	14.0	13.8	13.9	12.4	12.3	12.4	10.1	9.1	9.3
22	13.0	12.8	12.9	14.0	13.8	13.9	12.3	11.9	12.1	9.8	9.0	9.3
23	12.9	12.8	12.9	13.9	13.8	13.9	12.7	11.9	12.2	9.5	8.9	9.1
24	12.9	12.8	12.8	13.8	13.6	13.7	13.1	12.7	13.0	---	---	---
25	12.9	12.8	12.8	13.7	13.5	13.6	13.1	13.0	13.0	9.4	8.9	9.2
26	13.1	12.8	12.9	13.5	13.3	13.4	13.3	13.0	13.2	9.0	8.0	8.6
27	13.2	12.9	13.0	13.3	13.2	13.3	13.4	13.3	13.4	8.3	7.9	8.1
28	13.3	13.0	13.2	13.9	13.2	13.4	13.3	13.1	13.2	8.8	7.3	7.9
29	---	---	---	14.5	14.0	14.3	13.1	12.7	12.9	7.8	6.6	7.4
30	---	---	---	14.6	14.5	14.6	12.7	12.2	12.5	7.6	6.2	7.1
31	---	---	---	14.6	14.5	14.5	---	---	---	7.6	6.5	7.3
MONTH	14.1	12.8	13.2	14.7	13.2	13.9	14.5	11.9	13.0	12.2	6.2	10.0

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.1	7.6	8.6	6.5	6.8	7.5	6.7	7.2	8.0	7.7	7.8
2	7.9	7.3	7.7	8.5	7.4	7.9	7.1	6.5	6.9	7.8	7.4	7.6
3	7.4	5.9	6.8	8.1	7.5	7.8	6.9	6.3	6.6	7.5	7.2	7.3
4	7.1	6.4	6.7	8.0	6.9	7.6	7.2	6.5	6.8	7.2	6.9	7.1
5	7.8	6.5	7.0	7.6	7.4	7.6	7.2	6.3	6.7	7.0	6.2	6.7
6	8.2	7.5	7.9	7.3	6.4	7.0	7.0	6.4	6.7	7.3	6.7	7.0
7	8.0	6.3	7.3	7.1	6.4	6.8	7.5	6.9	7.1	7.4	6.9	7.1
8	7.7	6.6	7.2	7.3	6.3	6.8	7.4	7.1	7.2	7.9	6.9	7.4
9	8.8	7.0	7.9	7.6	6.6	7.1	7.5	7.1	7.3	8.0	7.3	7.6
10	9.0	7.8	8.3	7.7	6.8	7.2	7.6	7.0	7.4	7.9	7.3	7.7
11	8.3	7.4	8.0	7.6	6.7	7.2	7.7	7.0	7.3	8.3	7.4	7.6
12	7.9	7.0	7.3	7.6	7.0	7.2	8.5	7.5	7.9	8.3	7.7	8.0
13	7.2	6.8	7.0	8.2	7.1	7.7	8.2	7.3	7.8	8.0	7.5	7.8
14	7.2	6.9	7.0	7.9	7.3	7.7	7.8	7.3	7.6	7.7	7.3	7.5
15	8.8	6.9	8.2	7.6	7.0	7.4	8.1	7.5	7.8	7.8	7.2	7.5
16	8.3	7.6	8.0	7.4	6.8	7.2	7.7	7.2	7.4	8.1	7.6	7.8
17	7.7	7.0	7.4	7.5	6.5	7.0	7.2	6.8	7.0	7.8	7.3	7.5
18	7.3	6.6	6.9	7.7	6.8	7.4	7.3	6.6	6.8	7.9	7.4	7.7
19	7.4	7.0	7.2	7.5	6.9	7.3	7.6	6.9	7.3	8.8	7.4	8.2
20	7.2	6.6	6.9	8.2	6.9	7.3	7.6	6.9	7.2	8.5	7.6	8.1
21	7.1	6.6	6.9	7.9	7.3	7.6	7.2	6.4	6.8	8.1	7.4	7.8
22	7.5	6.9	7.2	8.1	7.2	7.8	6.8	6.4	6.6	7.8	7.4	7.7
23	7.5	6.9	7.1	7.8	7.3	7.6	6.7	6.3	6.5	7.9	7.5	7.8
24	7.0	6.4	6.7	7.7	6.9	7.4	6.8	6.4	6.6	7.7	7.4	7.6
25	7.1	6.3	6.6	7.4	6.6	6.9	7.3	6.4	6.9	7.8	7.3	7.6
26	7.1	6.0	6.5	6.8	6.6	6.7	7.3	6.6	7.0	7.9	7.4	7.6
27	6.8	5.8	6.3	7.0	6.4	6.6	7.4	6.7	7.1	8.3	7.5	7.9
28	6.9	5.9	6.6	8.1	6.8	7.5	8.2	7.0	7.6	8.3	7.7	7.9
29	6.9	5.9	6.5	---	---	---	8.0	6.4	7.3	8.5	7.8	8.1
30	6.8	6.3	6.6	---	---	---	8.0	7.7	7.9	8.3	7.9	8.1
31	---	---	---	---	---	---	8.1	7.2	7.7	---	---	---
MONTH	9.0	5.8	7.2	8.6	6.3	7.3	8.5	6.3	7.2	8.8	6.2	7.6
YEAR	14.7	5.8	10.6									

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

PERIOD OF RECORD.--June to September 1992.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June to September 1992.
WATER TEMPERATURE: June to September 1992.
DISSOLVED OXYGEN: June to September 1992.
INSTRUMENTATION.--Water-quality monitor since June 1992. Continuous flow through system. Submersible pump located 35 ft below pond elevation 262 ft. and 43 ft. below top of dam (elev. 270 ft).
REMARKS.--Interruptions in the record were due to malfunctions of the monitor or pumping system.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 159 microsiemens, Sept. 27, 1992; minimum, 72 microsiemens, July 2, 1992.
WATER TEMPERATURE: Maximum, 23.5°C, July 28, Aug. 1, 1992; minimum, 17.5°C, June 1-8, Sept. 29, 30, 1992.
DISSOLVED OXYGEN: Maximum, 8.4 mg/L, Sept. 19, 28, 1992; minimum, 5.0 mg/L, June 22, 1992.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	86	82	84	113	91	100	121	116	119	151	131	146
2	84	83	83	105	72	87	121	119	120	132	131	132
3	85	83	84	85	74	79	129	121	125	148	131	140
4	89	83	86	85	79	81	133	129	131	147	144	146
5	91	85	88	85	82	84	134	130	132	147	137	144
6	95	86	88	106	98	102	146	131	136	138	136	137
7	97	90	93	115	106	110	146	134	141	139	138	139
8	101	93	98	150	113	130	145	130	138	139	139	139
9	101	98	100	151	123	135	145	129	133	139	138	139
10	100	97	99	153	121	129	140	129	133	141	136	138
11	99	92	96	158	143	152	143	121	132	143	135	139
12	92	80	86	155	139	145	143	113	120	141	138	140
13	84	77	80	136	125	131	121	111	116	140	137	139
14	86	75	79	138	121	126	116	110	113	140	136	138
15	81	77	79	128	111	121	113	112	113	139	137	138
16	80	75	79	124	102	112	113	112	112	140	136	137
17	82	76	80	112	81	100	114	112	113	140	137	139
18	86	81	83	105	80	90	121	113	117	139	121	136
19	90	82	86	106	95	101	126	120	124	139	136	137
20	88	86	87	109	97	103	128	122	126	137	119	125
21	95	85	91	112	101	106	129	121	124	136	135	135
22	105	90	97	114	106	109	141	124	131	139	135	135
23	125	104	111	119	108	113	142	128	134	138	122	134
24	127	112	119	118	108	111	142	125	133	138	122	130
25	130	102	119	114	109	111	146	136	139	141	126	134
26	127	90	104	114	112	113	148	126	130	155	128	142
27	114	97	105	114	113	113	131	127	129	159	154	158
28	107	91	97	114	112	113	133	128	130	157	151	155
29	108	91	97	---	---	---	152	129	141	153	133	137
30	112	92	100	---	---	---	150	147	149	139	137	139
31	---	---	---	---	---	---	150	146	148	---	---	---
MONTH	130	75	93	158	72	111	152	110	128	159	119	139
PERIOD	**159**	**72**	**118**									

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	5.5	6.9	6.5	6.0	6.2	7.3	6.3	6.9	7.9	7.2	7.6
2	7.8	6.2	7.3	6.7	5.8	6.1	7.0	6.2	6.6	7.6	7.1	7.3
3	7.3	5.7	6.4	7.0	5.7	6.4	7.1	5.9	6.4	7.2	7.0	7.1
4	7.3	5.4	6.5	7.5	6.3	6.8	7.2	6.4	6.8	7.0	6.5	6.9
5	7.2	6.4	6.7	7.6	6.8	7.2	7.2	6.2	6.7	6.8	6.0	6.5
6	8.3	6.3	7.4	7.3	6.4	6.9	7.0	6.2	6.6	7.3	6.5	7.1
7	7.5	6.3	6.8	7.1	6.0	6.7	7.2	6.7	6.9	7.4	7.1	7.2
8	7.9	6.5	7.2	7.5	6.4	7.1	7.3	6.9	7.1	7.8	7.1	7.4
9	8.1	7.3	7.5	7.8	6.9	7.3	7.2	6.9	7.1	7.9	7.3	7.6
10	8.2	6.9	7.5	7.1	6.7	6.9	7.3	6.6	7.0	7.8	7.4	7.6
11	8.2	7.0	7.5	7.2	6.4	6.8	7.3	6.6	6.9	7.5	7.1	7.3
12	7.8	7.0	7.4	7.4	6.8	7.2	7.6	6.8	7.1	7.7	7.0	7.4
13	7.3	6.8	7.1	8.1	7.1	7.5	7.6	6.6	7.1	7.4	7.1	7.3
14	7.2	6.7	7.0	7.4	6.5	6.9	7.5	6.8	7.2	7.3	6.9	7.1
15	7.7	6.3	6.9	7.4	6.6	7.0	7.6	7.1	7.3	7.7	7.1	7.3
16	6.7	5.7	6.4	7.3	6.4	6.9	7.4	7.0	7.2	7.7	7.3	7.4
17	6.8	5.8	6.4	6.8	6.3	6.6	7.0	6.7	6.9	7.5	7.2	7.3
18	6.9	5.8	6.5	7.4	6.7	7.1	7.3	6.6	6.8	7.5	6.9	7.3
19	7.0	5.2	6.2	7.3	6.5	7.0	7.7	7.0	7.4	8.4	6.5	7.5
20	6.6	5.7	6.1	7.3	6.4	6.9	7.6	6.9	7.3	7.9	6.7	7.1
21	6.6	5.6	6.2	7.8	5.9	7.0	7.0	6.6	6.8	8.1	6.5	7.4
22	7.1	5.0	6.2	7.4	5.9	6.8	6.8	6.6	6.7	7.7	6.3	7.2
23	7.2	6.4	6.7	7.6	6.1	7.0	6.7	6.2	6.5	7.4	6.7	7.3
24	6.8	5.4	6.2	7.5	6.5	7.1	6.9	6.3	6.5	7.3	6.8	7.2
25	6.8	5.2	6.0	7.0	6.1	6.6	6.5	6.2	6.4	7.4	6.7	7.2
26	6.8	6.2	6.5	6.8	6.4	6.7	6.7	6.1	6.4	7.6	6.7	7.3
27	7.1	6.5	6.7	6.4	5.9	6.2	6.9	6.0	6.4	8.0	7.5	7.8
28	7.0	6.5	6.8	7.4	6.3	7.1	6.6	5.8	6.3	8.4	7.9	8.1
29	6.9	6.3	6.6	---	---	---	6.7	5.9	6.3	8.3	7.8	8.1
30	6.9	6.1	6.5	---	---	---	7.6	6.1	6.9	8.0	7.6	7.8
31	---	---	---	---	---	---	7.7	6.3	7.1	---	---	---
MONTH	8.3	5.0	6.7	8.1	5.7	6.9	7.7	5.8	6.8	8.4	6.0	7.4
PERIOD	**8.4**	**5.0**	**6.9**									

01056600 ANDROSCOGGIN RIVER AT NORTH BRIDGE AT AUBURN, ME

LOCATION.--Lat 44°05'50", long 70°13'26", Androscoggin County, Hydrologic Unit 01040002, on the Auburn side of North Bridge, downstream side of second pier from right bank, on the Androscoggin River, 700 ft. below Great Falls.
DRAINAGE AREA.--2,907 mi^2.
PERIOD OF RECORD.--Water years 1988 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Seasonal records July 1988 to current year.
DISSOLVED OXYGEN: Seasonal records July 1988 to current year.
INSTRUMENTATION.--Water-quality monitor since July 1988. Probes located in current at base of bridge pier.
REMARKS:--Monitor not operated during period October to May. Other interruptions in the record were due to malfunctions of the monitor.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 29.5°C, July 20, 1991; minimum, 13.5°C, Sept. 29, 30, 1991.
DISSOLVED OXYGEN: Maximum, 11.0 mg/L, Sept. 30, 1991; minimum, 0.4 mg/L, July 29, 1991.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

01056600 ANDROSCOGGIN RIVER AT NORTH BRIDGE AT AUBURN, ME

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	4.0	5.6	7.3	5.9	6.5	7.3	6.9	7.1	---	---	---
2	8.6	5.0	6.9	8.8	6.2	7.1	7.1	5.7	6.7	---	---	---
3	8.6	7.1	7.8	7.8	6.1	6.8	7.0	6.2	6.8	---	---	---
4	8.1	7.1	7.4	8.0	5.8	6.7	7.2	5.8	6.5	---	---	---
5	9.0	6.9	7.7	7.1	4.9	6.3	7.3	6.3	7.0	---	---	---
6	8.7	6.6	7.8	8.3	5.9	7.0	7.7	6.2	7.0	---	---	---
7	9.7	7.1	8.1	8.9	6.6	7.4	7.9	6.0	6.9	---	---	---
8	9.7	7.5	8.8	8.5	6.8	7.6	8.0	6.7	7.4	---	---	---
9	8.5	7.3	7.9	9.2	6.6	7.6	8.0	6.7	7.6	---	---	---
10	8.6	7.5	8.1	8.5	6.4	7.6	8.2	6.6	7.7	---	---	---
11	8.8	7.7	8.1	8.9	6.7	7.6	8.1	6.6	7.5	---	---	---
12	8.2	6.2	7.7	8.5	6.8	7.8	8.4	7.6	8.0	7.8	6.8	7.2
13	8.4	6.3	7.0	8.6	6.8	7.6	8.4	7.6	8.1	8.1	6.8	7.4
14	7.4	6.2	6.8	8.7	6.9	7.6	7.6	6.7	7.1	8.0	6.8	7.6
15	7.8	6.2	7.1	8.9	7.3	8.1	7.1	6.4	6.8	7.7	7.2	7.4
16	8.7	6.1	7.2	8.7	7.0	7.5	6.9	5.9	6.5	7.7	6.7	7.3
17	7.4	6.6	7.0	8.8	7.1	7.8	7.6	6.2	6.9	7.6	6.9	7.3
18	7.4	5.5	6.6	8.5	5.8	6.9	7.6	6.7	7.2	7.6	6.5	7.2
19	7.2	4.9	6.0	8.0	6.3	7.0	7.8	6.8	7.2	7.6	6.5	7.2
20	6.7	4.7	5.7	8.1	4.5	6.6	7.7	7.2	7.4	7.5	5.9	6.7
21	6.1	4.1	5.4	8.0	5.4	7.0	7.4	5.5	6.8	7.7	6.3	7.3
22	7.7	4.7	6.0	7.9	6.9	7.4	6.8	5.7	6.3	7.6	6.8	7.3
23	8.3	6.9	7.7	7.5	6.6	7.2	6.9	5.9	6.3	7.9	6.0	7.2
24	7.5	5.4	6.6	7.6	5.9	7.2	6.6	5.6	6.1	8.1	6.9	7.6
25	7.2	5.3	6.3	7.5	5.9	6.8	6.3	4.9	5.8	8.0	6.7	7.3
26	7.5	5.3	6.5	7.5	6.1	7.1	6.8	5.5	6.0	7.7	5.9	7.0
27	6.7	5.0	6.2	7.2	5.5	6.6	6.5	5.7	6.2	8.1	6.4	7.3
28	7.3	5.3	6.5	7.4	6.1	6.7	7.0	5.8	6.5	8.6	6.9	8.0
29	7.6	5.3	6.8	7.4	6.5	6.9	6.7	6.0	6.3	8.7	7.6	8.2
30	7.4	5.6	6.5	7.2	5.8	6.5	6.6	5.7	6.2	8.9	7.0	8.2
31	---	---	---	7.1	5.7	6.7	7.7	6.4	7.2	---	---	---
MONTH	9.7	4.0	7.0	9.2	4.5	7.1	8.4	4.9	6.9	8.9	5.9	7.4
PERIOD	**9.7**	**4.0**	**7.1**									

01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

LOCATION.--Lat 44°18'12", long 70°32'22", Oxford County, Hydrologic Unit 01040002, on island 50 ft upstream from Snow Falls and 6 mi upstream from South Paris.
DRAINAGE AREA.--73.5 mi^2.
PERIOD OF RECORD.--Discharge: 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. 3 to Mar. 11, and Mar. 14-26, May 15-29, 31, June 1, 6, and 8-11. Records good except for periods of ice-effect, Dec. 3 to Mar. 11, and Mar. 14-26, and periods of doubtful gage-height record, May 15-29, 31, June 1, 6, and 8-11, 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 ft^3/s, Apr. 1, 1987, gage height, 12.22 ft, from rating curve extended above 5,500 ft^3/s, on basis of slope-area measurement of peak flow; minimum, 1.0 ft^3/s, Aug. 16, 1914, Feb. 22 to Mar. 5, 1920.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 12	0115	2,230	7.57	Mar. 29	0115	*2,440	*7.80
Mar. 27	2000	1,760	6.99				

Minimum discharge, 7.6 ft^3/s, July 31, gage height, 1.81 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	85	134	e98	e58	e42	298	178	e35	19	39	11
2	59	101	122	e91	e56	e41	342	167	74	16	45	9.7
3	55	99	e99	e86	e51	e39	323	164	53	14	29	9.4
4	50	88	e90	e81	e47	e38	252	153	40	17	50	58
5	44	79	e85	e130	e46	e37	239	138	46	40	362	48
6	108	72	e81	e188	e44	e38	235	129	e142	73	165	36
7	638	68	e82	e163	e43	e40	252	121	291	61	100	26
8	317	65	e86	e126	e43	e59	274	114	e174	43	68	23
9	190	60	e93	e100	e42	e85	276	113	e130	53	61	22
10	145	57	e112	e86	e41	e128	242	114	e100	74	95	18
11	121	139	e101	e76	e42	e675	232	113	e80	55	71	26
12	159	549	e93	e63	e40	1640	194	105	63	44	52	30
13	175	305	e105	e67	e38	607	165	102	51	36	38	20
14	136	215	e166	e104	e39	e291	155	101	42	30	31	16
15	113	187	e212	e264	e36	e193	163	e82	40	42	31	14
16	218	176	e154	e174	e40	e144	175	e70	33	37	33	12
17	284	170	e101	e111	e47	e121	186	e65	27	27	32	12
18	235	144	e99	e91	e47	e103	169	e55	23	30	41	13
19	204	127	e96	e71	e55	e91	217	e45	21	32	59	11
20	159	121	e94	e58	e77	e84	364	e42	18	43	44	10
21	132	116	e96	e52	e77	e79	488	e36	18	33	32	9.6
22	116	109	e93	e46	e67	e72	516	e32	97	24	25	9.0
23	105	277	e86	e41	e61	e68	434	e29	75	19	21	51
24	98	374	e83	e161	e56	e64	476	e24	47	18	18	44
25	90	447	e67	e134	e54	e60	734	e23	65	15	16	28
26	88	287	e65	e114	e53	e65	444	e21	55	13	14	22
27	84	212	e64	e88	e53	883	316	e20	41	11	13	36
28	80	175	e63	e69	e48	1360	253	e18	32	11	15	39
29	76	156	e65	e59	e46	1680	216	e16	26	9.9	17	29
30	69	141	e150	e57	---	618	194	16	21	9.0	18	22
31	69	---	e138	e58	---	385	---	e15	---	7.8	14	---
TOTAL	4479	5201	3175	3107	1447	9830	8824	2421	1960	956.7	1649	714.7
MEAN	144	173	102	100	49.9	317	294	78.1	65.3	30.9	53.2	23.8
MAX	638	549	212	264	77	1680	734	178	291	74	362	58
MIN	44	57	63	41	36	37	155	15	18	7.8	13	9.0
CFSM	1.97	2.36	1.39	1.36	.68	4.31	4.00	1.06	.89	.42	.72	.32
IN.	2.27	2.63	1.61	1.57	.73	4.98	4.47	1.23	.99	.48	.83	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1992, BY WATER YEAR (WY)

MEAN	78.5	139	129	88.1	83.5	210	468	220	110	50.2	39.9	42.1
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1914 - 1992	
ANNUAL TOTAL	46194.6		43764.4			
ANNUAL MEAN	127		120		138	
HIGHEST ANNUAL MEAN					219	1973
LOWEST ANNUAL MEAN					62.9	1965
HIGHEST DAILY MEAN	1290	Apr 22	1680	Mar 29	6760	Apr 1 1987
LOWEST DAILY MEAN	3.2	Aug 3	7.8	Jul 31	1.0	Aug 16 1914
ANNUAL SEVEN-DAY MINIMUM	3.7	Jul 29	11	Sep 16	1.0	Feb 22 1920
INSTANTANEOUS PEAK FLOW			2440	Mar 29	9340	Apr 1 1987
INSTANTANEOUS PEAK STAGE			7.80	Mar 29	12.22	Apr 1 1987
INSTANTANEOUS LOW FLOW			7.6	Jul 31	1.0	Aug 16 1914
ANNUAL RUNOFF (CFSM)	1.72		1.63		1.88	
ANNUAL RUNOFF (INCHES)	23.38		22.15		25.57	
10 PERCENT EXCEEDS	303		252		336	
50 PERCENT EXCEEDS	72		68		63	
90 PERCENT EXCEEDS	8.9		18		12	

e Estimated

01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME

LOCATION.--Lat 44°04'20", long 70°12'31", Androscoggin County, Hydrologic Unit 01040002, on right bank 1.5 mi downstream from Little Androscoggin River and 2.1 mi downstream from North Bridge between Auburn and Lewiston.
DRAINAGE AREA.--3,263 mi^2.
PERIOD OF RECORD.--Discharge: October 1928 to current year. Monthly discharge only for October 1928, published in WSP 1301.
Chemical analyses: Water years 1952-56, 1966 to 1975.
REVISED RECORDS.--WSP 781: 1930, 1933-34. WSP 1301: 1932-36: WDR ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 109.18 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharge: Oct. 2-4 and 6. Records good, including periods of missing gage-height record Oct. 2-4 and 6. 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 ft^3/s, Mar. 20, 1936, gage height, 27.57 ft, from rating curve extended above 76,000 ft^3/s, on basis of slope-area measurement of peak flow and computation of flow over dam; minimum daily, 340 ft^3/s, Sept. 28, 1941.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,700 ft^3/s, Mar. 28, gage height, 12.07 ft; minimum daily 1,640 ft^3/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5350	3880	5400	5780	2430	1810	13200	12100	2760	2740	2310	2830
2	e3190	4370	6060	4760	2560	4160	11500	11600	3040	2670	2540	2100
3	e3740	5550	6130	4760	4110	4320	11500	11800	3700	2380	3740	2910
4	e3400	5510	6080	4740	4140	3910	10700	11600	3700	2340	3650	2930
5	2610	4550	5980	4580	4360	3900	9660	10900	3750	2310	4260	2940
6	e3390	4730	3990	5730	4110	4250	9230	9750	4010	3130	5160	3040
7	17700	5120	2560	6610	4160	2610	8250	8660	7110	4280	4630	2150
8	20900	3880	3650	6420	2750	3080	9200	7860	8970	4940	3240	3030
9	13100	4010	4900	6090	2600	5580	10200	7310	6170	4490	2910	3460
10	11600	4310	5460	4590	4030	5470	10700	7620	5970	4510	3300	2870
11	10200	5440	7580	4350	4320	11000	9930	7990	5640	5200	3340	2850
12	8790	6760	5280	3660	3910	26700	10300	7560	3730	4050	3800	2010
13	8870	9080	5580	4790	3850	27100	8090	7720	2280	4360	3700	1660
14	9790	8680	5980	5200	3870	14800	6840	6600	2140	4210	2910	2690
15	8300	6600	8680	7250	2470	11300	6940	5400	3540	4060	2140	2780
16	8440	6450	7890	7750	2930	7430	6770	4830	3130	3800	1760	2120
17	13500	5390	6580	6630	3490	7620	6500	4930	4100	3700	2500	2360
18	12900	7470	5600	4810	4550	7660	6720	4840	3100	1830	3340	2100
19	9590	6350	5390	4950	4690	6850	6860	4220	2930	2980	3640	2020
20	8150	6170	5190	4240	4750	5870	7900	4720	1740	4310	3470	1640
21	7900	6130	4080	4990	4500	5420	12600	5160	1720	4530	2970	2470
22	6190	6160	5040	4340	4170	4640	22700	5040	5280	5050	2120	2400
23	5100	6690	5250	4420	4070	5280	26600	2970	7890	4440	2100	2940
24	4050	9390	5710	5000	4330	5330	25800	2180	5660	3360	2120	2670
25	4140	12600	4320	4670	4860	5310	26300	2840	4800	1760	2110	3080
26	4120	11100	3590	5320	4750	4930	24600	4370	4400	2430	1930	2190
27	4100	7900	3430	5490	4810	9180	19700	3750	3500	2780	1930	2470
28	4540	6810	3540	5370	5080	30800	15300	5140	3140	3440	2570	2870
29	4050	6630	4820	5510	2100	36300	14300	3410	3840	3260	2070	2830
30	4090	6380	5140	5470	---	25100	12500	1930	2610	2600	2080	2850
31	4030	---	5330	4500	---	16600	---	1700	---	2820	3460	---
TOTAL	235820	194090	164210	162770	112750	314310	381390	196500	124350	108760	91800	77260
MEAN	7607	6470	5297	5251	3888	10140	12710	6339	4145	3508	2961	2575
MAX	20900	12600	8680	7750	5080	36300	26600	12100	8970	5200	5160	3460
MIN	2610	3880	2560	3660	2100	1810	6500	1700	1720	1760	1760	1640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

MEAN	4152	5569	5273	4469	4378	7246	15140	11830	5843	3528	3142	3241
MAX	13950	12260	21260	10490	13570	32680	23480	24940	14450	11730	7185	16700
(WY)	1978	1970	1974	1978	1970	1936	1987	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	2459320		2164010			
ANNUAL MEAN	6738		5913		6153	
HIGHEST ANNUAL MEAN					9444	1974
LOWEST ANNUAL MEAN					3500	1941
HIGHEST DAILY MEAN	35200	Apr 23	36300	Mar 29	114000	Mar 20 1936
LOWEST DAILY MEAN	1280	Jul 21	1640	Sep 20	340	Sep 28 1941
ANNUAL SEVEN-DAY MINIMUM	1470	Aug 2	2120	Aug 24	1390	Sep 10 1989
INSTANTANEOUS PEAK FLOW			38700	Mar 28	135000	Mar 20 1936
INSTANTANEOUS PEAK STAGE			12.07	Mar 28	27.57	Mar 20 1936
10 PERCENT EXCEEDS	12800		10700		13000	
50 PERCENT EXCEEDS	5530		4610		4180	
90 PERCENT EXCEEDS	2360		2420		1980	

e Estimated

01059010 ANDROSCOGGIN RIVER BELOW DRESSERS RIPS NEAR AUBURN, ME

LOCATION.--Lat 44°03'55", long 70°12'34", Androscoggin County, Hydrologic Unit 01040002, on right bank 2.0 mi downstream from Little Androscoggin River and 2.6 mi downstream from North Bridge between Auburn and Lewiston.
DRAINAGE AREA.--3,263 mi^2.
PERIOD OF RECORD.--Water years August 1988 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Seasonal records August 1988 to current year.
pH: Seasonal records August 1988 to current year.
WATER TEMPERATURE: Seasonal records August 1988 to current year.
DISSOLVED OXYGEN: Seasonal records August 1988 to current year.
INSTRUMENTATION.--Water-quality monitor since August 1988. Continuous flow through system. Submersible pump located 50 ft. streamward from right bank.
REMARKS.--Monitor not operated during period October to May. Other interruptions in the record were due to malfunctions of the monitor or pumping system.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 356 microsiemens, Sept. 15, 1988; minimum, 46 microsiemens, June 13, 14, 1989.
pH: Maximum, 7.2 units, Aug. 31, 1988; minimum, 6.4 units, July 18, 1989, July 30, Aug. 9, 1990, Aug. 27, 1991, July 19, 21, 1992.
WATER TEMPERATURE: Maximum, 29.0°C, Aug. 13, 1988; minimum, 14.0°C, Sept., 30, 1991.
DISSOLVED OXYGEN: Maximum, 12.5 mg/L, June 15, 1989; minimum, 5.3 mg/L, July 24, 1991.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	93	91	92	98	94	95	120	113	118	138	135	136
2	94	90	91	108	98	102	123	115	120	141	138	140
3	92	90	91	112	108	109	124	117	121	147	140	143
4	94	91	93	114	108	110	129	123	127	145	138	142
5	97	94	95	110	104	108	132	123	129	147	142	145
6	101	83	95	114	104	109	133	125	129	148	140	145
7	117	88	93	111	106	109	132	126	129	143	136	140
8	118	95	105	115	111	113	132	126	129	141	136	139
9	102	97	100	126	115	119	133	124	129	142	137	140
10	101	96	98	125	117	122	130	120	126	142	136	140
11	102	96	99	122	117	120	130	117	125	145	139	142
12	100	93	97	122	114	119	121	113	117	145	142	143
13	95	88	92	116	110	114	122	117	119	147	142	145
14	90	86	88	115	110	113	118	109	115	146	142	145
15	90	87	89	113	108	111	116	111	113	144	139	142
16	93	88	90	110	102	108	116	112	115	142	137	140
17	92	88	89	107	95	102	116	113	115	142	134	138
18	93	89	92	104	94	99	118	110	114	139	133	137
19	95	92	94	102	93	96	118	114	116	140	135	138
20	101	95	99	98	95	97	124	119	122	141	138	140
21	103	101	102	102	98	100	127	117	123	141	136	139
22	110	102	104	105	101	103	126	120	124	141	137	140
23	118	111	115	109	105	107	126	122	124	142	135	138
24	130	117	125	111	106	109	127	122	125	143	137	140
25	133	127	130	115	109	112	128	125	127	144	138	142
26	134	114	126	116	108	113	129	126	128	145	137	143
27	115	105	111	117	113	115	132	129	131	144	137	142
28	106	98	103	118	113	116	134	131	133	150	143	147
29	100	92	97	117	114	116	135	134	135	152	141	148
30	99	93	96	117	115	116	136	134	135	150	144	148
31	---	---	---	119	115	118	135	131	134	---	---	---
MONTH	134	83	100	126	93	110	136	109	124	152	133	142
PERIOD	**152**	**83**	**119**									

01059010 ANDROSCOGGIN RIVER BELOW DRESSERS RIPS NEAR AUBURN, ME

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

01059010 ANDROSCOGGIN RIVER BELOW DRESSERS RIPS NEAR AUBURN, ME

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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 current year.

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 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV												
12...	1330	7,110	85	7.0	7.0	5.5	11	755	12.1	97	2600	4500
DEC												
11...	0930	7,980	88	7.1	2.5	0.5	2.6	760	13.5	94	K 150	K 18
FEB												
05...	0945	4,590	108	7.0	-2.0	0.0	2.0	748	13.4	93	K 34	K 16
APR												
08...	0830	9,680	60	7.0	13.0	4.0	2.5	755	13.1	101	>3000	K 26
JUN												
12...	0930	3,930	95	6.9	22.5	19.5	1.4	761	8.4	91	K 37	K 54
AUG												
26...	0835	2,030	121	7.1	22.5	22.5	1.0	765	8.1	93	49	160

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
NOV											
12...	17	5.0	0.99	9.1	1.3	14	0.0	11	10	13	<0.1
DEC											
11...	15	4.8	0.83	9.9	0.80	13	0.0	10	8.0	11	<0.1
FEB											
05...	15	5.0	0.89	14	0.90	16	0.0	13	10	15	0.1
APR											
08...	12	3.9	0.69	6.4	0.70	9.3	0.0	7.7	6.6	7.7	0.2
JUN											
12...	14	4.7	0.89	12	1.1	15	0.0	12	11	11	<0.1
AUG											
26...	16	5.4	0.89	16	1.3	20	0.0	16	13	16	<0.1

K Results based on colony count outside the acceptance range (non-ideal colony count).
< Actual value is known to be greater than the value shown.

01059400 - ANDROSCOGGIN RIVER AT BRUNSWICK, ME--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
NOV 12...	5.9	70	52	<0.01	<0.01	0.18	0.19	0.08	0.08	0.10
DEC 11...	6.0	42	48	0.01	0.02	0.18	0.19	0.05	0.06	0.08
FEB 05...	5.1	69	59	<0.01	<0.01	0.19	0.20	0.12	0.11	0.14
APR 08...	4.6	48	35	<0.01	<0.01	0.15	0.16	0.05	0.03	0.04
JUN 12...	4.7	58	53	<0.01	<0.01	0.15	0.15	0.06	0.06	0.08
AUG 26...	3.9	80	66	<0.01	<0.01	0.16	0.16	0.02	0.03	0.04

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
NOV 12...	0.4	0.08	0.02	0.02	0.01	110	6	<3	190	<4
DEC 11...	0.3	0.03	0.02	0.03	0.02	--	--	--	--	--
FEB 05...	0.4	0.14	0.02	0.03	0.02	80	5	<3	120	<4
APR 08...	<0.2	0.02	0.01	0.01	<0.01	80	6	<3	87	<4
JUN 12...	0.3	0.04	0.02	0.02	0.01	--	--	--	--	--
AUG 26...	0.3	0.04	0.03	0.02	<0.01	60	6	<3	180	<4

DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 12...	20	<10	<1	<1	<1	24	<6	15	288	94
DEC 11...	--	--	--	--	--	--	--	20	431	31
FEB 05...	25	<10	<1	<1	<1	25	<6	4	50	60
APR 08...	33	<10	1	<1	<1	21	<6	22	575	28
JUN 12...	--	--	--	--	--	--	--	2	21	85
AUG 26...	13	<10	<1	<1	<1	26	<6	9	49	65

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 ft^3 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 ft^3 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 ft^3 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 ft^3 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 ft^3 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 ft^3 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 ft^3 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 1991 TO SEPTEMBER 1992

Date	Rangeley Lake	Mooselookmeguntic Lake	Upper and Lower Richardson Lakes	Aziscohos Lake
SEPT. 30, 1991	927	5,657	3,326	6,968
OCT. 31. . . .	863	6,048	4,956	7,819
NOV. 30. . . .	940	5,266	5,050	7,862
DEC. 31. . . .	907	3,552	5,218	7,066
JAN. 31, 1992	693	867	5,012	6,240
FEB. 29. . ..	318	310	3,492	4,735
MAR. 31. . . .	636	1,399	2,795	3,914
APR. 30. . . .	957	6,154	3,862	7,136
MAY 31.	1,052	7,545	5,200	8,440
JUNE 30. . . .	1,319	7,724	5,350	7,935
JULY 31. . . .	1,256	7,116	4,937	7,164
AUG. 31. . . .	1,306	5,941	4,010	6,324
SEPT. 30. . ..	1,021	4,884	3,880	5,848

Date	Umbagog Lake	Gulf Island Pond	Lake Auburn	Thompson Lake
SEPT. 30, 1991	2,690	2,356	474	1,702
OCT. 31. . . .	2,339	2,413	e 452	1,594
NOV. 30. . . .	2,885	2,432	485	1,552
DEC. 31. . . .	3,041	2,427	532	1,567
JAN. 31, 1992	2,846	2,086	580	1,535
FEB. 29. . . .	2,456	2,143	592	1,520
MAR. 31. . . .	1,704	2,435	664	1,913
APR. 30. . . .	2,924	2,400	628	2,029
MAY 31. . . .	2,710	2,369	556	1,989
JUNE 30. . . .	2,690	2,296	568	1,922
JULY 31. . . .	2,417	2,311	544	1,894
AUG. 31. . . .	2,186	2,420	463	1,812
SEPT. 30. . . .	2,110	2,389	408	1,710

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.

e Estimated

01060000 ROYAL RIVER AT YARMOUTH, ME

LOCATION.--Lat 43°47'57", long 70°10'45", Cumberland County, Hydrologic Unit 01060001, on right bank 150 ft upstream from East Main Street bridge in Yarmouth.
DRAINAGE AREA.--141 mi^2.
PERIOD OF RECORD.--October 1949 to current year.
REVISED RECORDS.--WDR ME-81-1: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 10 ft above National Geodetic Vertical Datum of 1929, from topographic map.
REMARKS.--Estimated daily discharges: Dec. 16-26, Dec. 31 to Jan. 5, Jan. 11-23, Jan. 25 to Feb. 16, and Feb. 28 to Mar. 1. Records good except for periods of ice effect, Dec. 16-26, Dec. 31 to Jan. 5, Jan. 11-23, Jan. 25 to Feb. 16 and Feb. 28 to Mar. 1, and period of backwater from debris, Aug. 2 to 19, 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 ft^3/s, Mar. 13, 1977, gage height, 8.46 ft, from rating curve extended above 7,700 ft^3/s; minimum daily, 5.7 ft^3/s, July 23,1980, caused by unusual regulation.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 12	0615	1,500	3.37	Mar. 29	0515	2,490	4.23
Nov. 24	0830	1,510	3.38	June 7	0300	2,490	4.23
Mar. 12	0330	*2,680	*4.37				

Minimum daily discharge, 35 ft^3/s, Sept. 20-22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	132	260	e285	e102	e142	446	283	101	58	116	39
2	228	167	244	e212	e99	116	410	272	184	56	140	37
3	233	177	227	e169	e94	111	389	327	140	51	91	39
4	199	158	223	e161	e91	107	340	333	107	54	74	103
5	171	142	181	e371	e90	109	301	282	90	72	74	112
6	198	130	186	669	e88	132	283	245	1080	78	71	72
7	545	123	197	508	e87	189	284	220	2320	77	59	60
8	478	120	185	364	e86	571	295	205	1290	71	54	56
9	305	114	191	264	e85	633	301	210	677	81	53	53
10	231	108	211	220	e84	559	288	231	326	161	58	49
11	199	408	206	e182	e83	1350	294	221	215	138	61	47
12	226	1290	190	e153	e82	2530	276	195	162	106	53	45
13	280	827	261	e135	e81	1450	287	181	137	89	48	42
14	217	460	582	e392	e80	685	322	176	118	82	42	40
15	179	331	829	e1100	e79	354	359	161	110	82	39	39
16	339	280	e498	e690	e348	286	349	145	107	82	39	38
17	449	239	e308	e498	573	192	335	139	91	72	40	36
18	432	207	e235	e401	433	173	360	132	84	74	85	36
19	389	190	e216	e333	484	155	559	125	77	93	156	36
20	292	180	e203	e264	577	143	658	114	74	127	120	35
21	228	175	e195	e203	468	143	621	107	75	135	86	35
22	200	190	e191	e125	345	136	614	102	96	99	67	35
23	184	1150	e186	e150	249	135	629	95	148	82	59	38
24	167	1390	e174	1050	194	127	962	97	105	74	55	44
25	158	1140	e157	e690	174	122	1060	149	94	69	50	45
26	151	712	e142	e308	181	139	724	132	90	61	44	40
27	147	446	137	e182	228	1290	495	108	78	58	43	62
28	148	345	130	e131	e235	2070	395	99	70	57	42	92
29	141	303	141	e115	e191	2340	343	93	65	55	42	66
30	131	273	379	e109	---	1230	306	86	61	54	43	51
31	125	---	e396	e105	---	662	---	80	---	55	42	---
TOTAL	7584	11907	7861	10539	5991	18381	13285	5345	8372	2503	2046	1522
MEAN	245	397	254	340	207	593	443	172	279	80.7	66.0	50.7
MAX	545	1390	829	1100	577	2530	1060	333	2320	161	156	112
MIN	125	108	130	105	79	107	276	80	61	51	39	35
CFSM	1.74	2.81	1.80	2.41	1.47	4.21	3.14	1.22	1.98	.57	.47	.36
IN.	2.00	3.14	2.07	2.78	1.58	4.85	3.50	1.41	2.21	.66	.54	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY)

MEAN	136	325	309	225	238	552	755	330	185	87.6	81.2	83.6
MAX	682	851	1210	704	658	1603	1284	1085	679	347	679	822
(WY)	1978	1984	1974	1978	1970	1977	1960	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	116931		95336			
ANNUAL MEAN	320		260		275	
HIGHEST ANNUAL MEAN					480	1984
LOWEST ANNUAL MEAN					132	1965
HIGHEST DAILY MEAN	7030	Aug 20	2530	Mar 12	9980	Mar 13 1977
LOWEST DAILY MEAN	29	Jul 22	35	Sep 20	5.7	Jul 23 1980
ANNUAL SEVEN-DAY MINIMUM	33	Jul 17	36	Sep 16	17	Sep 24 1965
INSTANTANEOUS PEAK FLOW			2680	Mar 12	11500	Mar 13 1977
INSTANTANEOUS PEAK STAGE			4.37	Mar 12	8.46	Mar 13 1977
ANNUAL RUNOFF (CFSM)	2.27		1.85		1.95	
ANNUAL RUNOFF (INCHES)	30.85		25.15		26.51	
10 PERCENT EXCEEDS	662		572		640	
50 PERCENT EXCEEDS	179		156		120	
90 PERCENT EXCEEDS	49		53		43	

e Estimated

01064000 PRESUMPSCOT 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 mi^2.
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 ft^3/s, not included in figures of daily discharge. Flow regulated by Long Lake and Sebago Lake, surface area, 45.6 mi^2, which have a combined usable capacity of 11,000,000,000 ft^3.
COOPERATION.--Records furnished by S. D. Warren Co.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	829	1320	819	562	546	554	554	350	277	502	662	352
2	829	1320	819	562	546	554	554	350	277	502	662	338
3	838	1320	819	562	546	554	554	350	277	502	662	338
4	838	1320	819	554	546	554	554	350	277	502	502	338
5	838	1320	819	554	546	554	554	350	277	502	502	338
6	838	1320	819	554	546	554	554	350	277	502	502	338
7	838	1320	819	554	546	554	554	350	50	492	502	338
8	838	1320	819	554	546	554	600	350	50	502	492	340
9	838	1320	819	554	546	554	831	350	50	502	492	340
10	838	1320	819	554	546	554	831	350	50	502	492	340
11	1320	1320	819	554	546	546	831	350	50	502	492	340
12	1310	340	819	554	546	554	819	350	50	502	492	340
13	1330	819	819	554	546	554	588	350	50	502	492	340
14	1330	819	819	554	546	546	588	350	50	502	492	301
15	1330	819	819	554	546	546	600	350	277	502	492	301
16	1330	819	819	554	546	554	600	350	277	502	492	340
17	1320	819	819	554	546	546	600	350	277	502	492	340
18	1330	819	819	554	546	554	600	350	277	502	492	340
19	1330	819	831	554	546	554	600	350	277	502	492	340
20	1330	819	831	554	546	554	600	350	277	502	492	340
21	1330	819	831	554	546	554	350	350	277	604	492	340
22	1330	819	831	554	546	554	350	277	277	662	492	340
23	1330	819	819	554	546	554	350	277	508	662	492	340
24	1330	819	819	554	546	554	350	277	508	662	492	340
25	1330	819	833	554	546	554	350	277	508	662	492	340
26	1330	819	833	554	546	554	350	277	508	662	492	340
27	1330	819	833	554	546	554	350	277	508	654	492	340
28	1330	819	554	554	546	554	350	277	508	662	492	340
29	1330	819	554	554	546	554	350	277	508	662	492	340
30	1330	819	554	554	---	554	350	277	508	662	492	340
31	1330	---	554	554	---	554	---	277	---	662	492	---
TOTAL	36252	29602	24419	17198	15834	17142	16066	10120	8342	17246	15802	10122
MEAN	1169	987	788	555	546	553	536	326	278	556	510	337
MAX	1330	1320	833	562	546	554	831	350	508	662	662	352
MIN	829	340	554	554	546	546	350	277	50	492	492	301

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1992, BY WATER YEAR (WY)

MEAN	587	582	593	625	659	616	761	777	717	576	608	590
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1902 - 1992	
ANNUAL TOTAL	256821		218145			
ANNUAL MEAN	704		596		640	
HIGHEST ANNUAL MEAN					1091	1984
LOWEST ANNUAL MEAN					298	1985
HIGHEST DAILY MEAN	2490	Jan 1	1330	Oct 13	7000	Apr 7 1902
LOWEST DAILY MEAN	50	Jun 10	50	Jun 7	.00	Jan 31 1904
ANNUAL SEVEN-DAY MINIMUM	50	Jun 10	50	Jun 7	.00	Jun 30 1957
10 PERCENT EXCEEDS	1320		838		840	
50 PERCENT EXCEEDS	772		550		644	
90 PERCENT EXCEEDS	300		338		272	

01064118 PRESUMPSCOT RIVER AT WESTBROOK, ME

LOCATION.--Lat 43°41'13", long 70°20'49", Cumberland County, Hydrologic Unit 01060001, on right bank, 0.4 mi downstream from Cumberland Street Bridge in Westbrook, at S.D. Warren owned bridge.
DRAINAGE AREA.--577 mi^2.
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 17.39 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 13, 1984, at site 4.1 mi. downstream at datum 6.24 ft lower.
REMARKS.--Estimated daily discharges: Dec. 26 to Jan. 3, Mar. 17, Apr. 28 to May 8, May 16 to June 4, June 9 to July 24, Aug. 4 to Sept. 12, and Sept. 15, 26. Records fair, except for estimated daily discharges, which are poor. Flow regulated by Sebago Lake and many small powerplants upstream.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/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 ft^3/s, July 9, 1976.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,280 ft^3/s, Mar. 11, gage height, 12.89; minimum daily, 168 ft^3/s, June 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	890	1410	1170	e847	758	735	1030	e633	e378	e560	844	e391
2	1020	1430	1140	e774	729	681	1030	e622	e461	e558	809	e375
3	1110	1420	1150	e731	702	682	990	e677	e417	e553	771	e377
4	1040	1400	1160	745	686	723	910	e683	e384	e556	e576	e441
5	930	1390	1060	941	664	736	883	e632	333	e574	e576	e450
6	1020	1400	1060	1150	637	769	942	e595	1330	e580	e573	e410
7	1500	1380	1060	1080	631	871	1160	e570	1850	e569	e561	e398
8	1260	1390	1050	910	663	1190	773	e555	862	e573	e546	e396
9	1210	1370	1050	924	642	1030	1050	579	e727	e583	e545	e393
10	1180	1340	1110	886	610	954	1030	652	e376	e663	e550	e389
11	1260	1580	1080	810	663	1880	946	613	e265	e640	e553	e387
12	1530	1980	1020	664	667	2210	926	578	e212	e608	e545	e385
13	1590	1310	1190	729	687	1140	996	548	e187	e591	e540	383
14	1510	1270	1510	1260	693	1160	918	528	e168	e584	e534	330
15	1440	1200	1580	1760	695	1090	868	507	e387	e584	e531	e340
16	1580	1180	1290	1280	1590	903	748	e495	e384	e584	e531	351
17	1660	1130	1130	1050	1200	e738	888	e489	e368	e574	e532	434
18	1670	1080	1140	976	980	831	915	e482	e361	e576	e577	429
19	1600	1020	1100	850	939	809	1190	e475	e354	e595	e648	396
20	1550	1010	1040	903	1090	845	1330	e464	e351	e629	e612	425
21	1490	939	1060	901	961	850	1140	e457	e352	e739	e578	380
22	1490	1070	1030	844	827	803	940	e379	e373	e761	e559	376
23	1480	2090	1050	958	720	796	946	e372	e656	e744	e551	430
24	1470	1770	1060	1830	885	782	1010	e374	e613	e736	e547	412
25	1460	1670	958	1060	782	781	1150	e426	e602	751	e542	370
26	1480	1410	e975	855	818	802	933	e409	e598	740	e536	e380
27	1510	1290	e970	761	916	1790	916	e385	e586	778	e535	390
28	1490	1220	e684	640	828	1930	e745	e376	e578	725	e534	429
29	1400	1200	e695	687	721	2180	e693	e370	e573	731	e534	402
30	1400	1200	e933	700	---	1290	e656	e363	e569	771	e535	451
31	1350	---	e950	746	---	1110	---	e357	---	693	e534	---
TOTAL	42570	40549	33455	29252	23384	33091	28652	15645	15655	19903	17939	11900
MEAN	1373	1352	1079	944	806	1067	955	505	522	642	579	397
MAX	1670	2090	1580	1830	1590	2210	1330	683	1850	778	844	451
MIN	890	939	684	640	610	681	656	357	168	553	531	330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1992, BY WATER YEAR (WY)

MEAN	697	922	981	919	1050	1379	1469	1243	965	596	663	604
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1976 - 1992	
ANNUAL TOTAL	375000		311995			
ANNUAL MEAN	1027		852		956	
HIGHEST ANNUAL MEAN					1740	1984
LOWEST ANNUAL MEAN					404	1985
HIGHEST DAILY MEAN	7080	Aug 20	2210	Mar 12	9760	Mar 14 1977
LOWEST DAILY MEAN	117	Jun 15	168	Jun 14	39	Jul 9 1976
ANNUAL SEVEN-DAY MINIMUM	125	Jun 10	282	Jun 11	125	Jun 10 1991
INSTANTANEOUS PEAK FLOW			3280	Mar 11	12500	Mar 14 1977
INSTANTANEOUS PEAK STAGE			12.89	Mar 11	25.48	Aug 20 1991
10 PERCENT EXCEEDS	1560		1410		1670	
50 PERCENT EXCEEDS	1020		765		773	
90 PERCENT EXCEEDS	404		388		388	

e Estimated

01064140 PRESUMPSCOT 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 mi^2.
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 microsiemens, Jan. 8, 1979; minimum, 21 microsiemens, 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 1991 TO SEPTEMBER 1992

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 (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												
07...	1230	1,430	76	7.3	11.0	9.5	1.5	765	11.5	100	310	140
DEC												
10...	1315	1,150	89	7.3	5.0	3.0	2.0	765	13.2	98	K 750	210
FEB												
06...	1330	660	106	7.4	-3.0	1.0	2.0	759	13.6	96	K 990	370
APR												
06...	1045	976	102	7.4	14.0	6.5	2.7	758	12.2	100	1200	150
JUN												
11...	0930	E 275	88	7.1	23.0	18.5	5.5	763	8.3	88	150	100
AUG												
25...	1100	E 562	124	7.4	28.5	23.0	2.1	767	8.1	93	210	65

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											
07...	13	4.2	0.67	10	0.9	16	0	13	7.0	9.2	<0.1
DEC											
10...	16	5.0	0.85	11	0.9	17	0	14	7.4	13	<0.1
FEB											
06...	17	5.3	0.83	13	1.3	25	0	20	9.1	12	0.1
APR											
06...	19	6.1	0.90	12	1.1	20	0	16	7.6	22	<0.1
JUN											
11...	21	6.5	1.2	8.6	1.3	19	0	16	6.1	11	0.1
AUG											
25...	19	6.0	0.90	16	1.3	27	0	22	8.9	17	<0.1

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 - PRESUMPSCOT RIVER NEAR WEST FALMOUTH, ME--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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										
07...	2.5	48	42	<0.01	<0.01	0.12	0.10	0.04	0.03	0.04
DEC										
10...	3.6	41	50	0.01	0.01	0.15	0.15	0.07	0.08	0.10
FEB										
06...	3.0	65	52	<0.01	<0.01	0.16	0.17	0.07	0.07	0.09
APR										
06...	3.2	67	63	<0.01	<0.01	0.15	0.16	0.06	0.06	0.08
JUN										
11...	5.0	55	50	0.02	0.01	0.15	0.16	0.16	0.15	0.19
AUG										
25...	2.4	70	66	<0.01	<0.01	0.06	0.06	0.04	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)
NOV										
07...	<0.2	0.01	<0.01	0.01	<0.01	20	5	<3	30	<4
DEC										
10...	0.2	0.03	0.01	0.02	0.02	--	--	--	--	--
FEB										
06...	0.3	0.04	<0.01	0.01	<0.01	20	3	<3	33	<4
APR										
06...	<0.2	<0.01	<0.01	0.01	0.01	40	5	<3	60	<4
JUN										
11...	0.6	0.07	0.03	0.02	<0.01	--	--	--	--	--
AUG										
25...	0.3	0.05	0.04	0.05	0.04	30	7	<3	52	<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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
07...	9	<10	1	<1	<1	25	<6	3	12	69
DEC										
10...	--	--	--	--	--	--	--	10	31	40
FEB										
06...	19	<10	<1	<1	<1	27	<6	3	5.3	67
APR										
06...	26	<10	1	<1	<1	29	<6	20	53	28
JUN										
11...	--	--	--	--	--	--	--	24	18	75
AUG										
25...	43	<10	<1	<1	<1	30	<6	7	11	68

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	93	75	82	---	---	---	---	---	---	---	---	---
2	90	74	82	---	---	---	---	---	---	---	---	---
3	90	74	85	---	---	---	---	---	---	---	---	---
4	88	83	85	---	---	---	---	---	---	---	---	---
5	88	84	86	---	---	---	---	---	---	---	---	---
6	89	82	85	---	---	---	---	---	---	---	---	---
7	85	75	80	---	---	---	---	---	---	---	---	---
8	87	83	85	---	---	---	---	---	---	---	---	---
9	84	79	81	---	---	---	---	---	---	---	---	---
10	84	76	80	---	---	---	---	---	---	---	---	---
11	81	71	78	---	---	---	---	---	---	---	---	---
12	73	63	69	---	---	---	---	---	---	---	---	---
13	65	62	63	---	---	---	---	---	---	---	---	---
14	67	63	65	---	---	---	---	---	---	---	---	---
15	67	64	65	---	---	---	---	---	---	---	---	---
16	75	64	67	---	---	---	---	---	---	---	---	---
17	70	65	68	---	---	---	---	---	---	---	---	---
18	70	65	68	---	---	---	---	---	---	---	---	---
19	72	68	70	---	---	---	---	---	---	---	---	---
20	71	64	66	---	---	---	---	---	---	---	---	---
21	68	64	66	---	---	---	---	---	---	---	---	---
22	70	67	69	---	---	---	---	---	---	---	---	---
23	69	66	68	---	---	---	---	---	---	---	---	---
24	70	64	68	---	---	---	---	---	---	---	---	---
25	82	68	74	---	---	---	---	---	---	---	---	---
26	76	66	70	---	---	---	---	---	---	---	---	---
27	66	63	65	---	---	---	---	---	---	---	---	---
28	72	65	68	---	---	---	---	---	---	---	---	---
29	73	68	72	---	---	---	---	---	---	---	---	---
30	73	70	72	---	---	---	---	---	---	---	---	---
31	73	67	70	---	---	---	---	---	---	---	---	---
MONTH	93	62	73	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	114	96	104
2	---	---	---	---	---	---	---	---	---	131	100	112
3	---	---	---	---	---	---	---	---	---	130	112	124
4	---	---	---	---	---	---	---	---	---	120	103	113
5	---	---	---	---	---	---	---	---	---	141	103	118
6	---	---	---	---	---	---	---	---	---	138	123	132
7	---	---	---	---	---	---	---	---	---	126	116	120
8	---	---	---	---	---	---	---	---	---	129	125	127
9	---	---	---	---	---	---	---	---	---	125	119	122
10	---	---	---	---	---	---	---	---	---	123	116	119
11	---	---	---	---	---	---	---	---	---	134	119	126
12	---	---	---	---	---	---	---	---	---	136	129	132
13	---	---	---	---	---	---	---	---	---	136	124	128
14	---	---	---	---	---	---	---	---	---	136	127	131
15	---	---	---	---	---	---	---	---	---	142	129	135
16	---	---	---	---	---	---	---	---	---	147	134	140
17	---	---	---	---	---	---	---	---	---	146	136	140
18	---	---	---	---	---	---	---	---	---	151	145	147
19	---	---	---	---	---	---	---	---	---	146	128	136
20	---	---	---	---	---	---	---	---	---	151	135	140
21	---	---	---	---	---	---	---	---	---	166	141	152
22	---	---	---	---	---	---	---	---	---	149	140	144
23	---	---	---	---	---	---	---	---	---	153	140	147
24	---	---	---	---	---	---	---	---	---	163	142	153
25	---	---	---	---	---	---	---	---	---	173	136	152
26	---	---	---	---	---	---	---	---	---	146	133	136
27	---	---	---	---	---	---	---	---	---	153	140	145
28	---	---	---	---	---	---	---	---	---	163	153	156
29	---	---	---	---	---	---	---	---	---	174	166	168
30	---	---	---	---	---	---	---	---	---	207	170	194
31	---	---	---	---	---	---	---	---	---	174	157	164
MONTH	---	---	---	---	---	---	---	---	---	207	96	137

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	172	126	158	131	111	123	118	90	100	137	122	131
2	154	124	137	122	110	117	101	92	97	136	128	131
3	148	131	140	121	111	116	111	91	97	144	133	137
4	154	138	142	125	106	116	126	111	118	145	92	127
5	172	158	167	151	116	127	123	115	118	134	89	106
6	181	65	132	150	120	133	115	101	108	134	121	127
7	72	63	68	119	108	112	104	97	100	124	118	121
8	81	64	72	126	110	116	110	104	107	125	114	120
9	80	70	74	130	114	121	126	105	116	126	118	122
10	96	79	88	120	110	116	119	112	114	136	117	127
11	94	86	89	122	112	117	121	107	112	123	113	118
12	102	80	89	120	109	115	121	107	114	132	121	125
13	97	82	91	118	106	112	128	112	117	133	122	129
14	91	83	86	122	106	112	127	116	122	128	124	126
15	91	74	82	121	107	113	130	119	123	147	125	142
16	---	---	---	121	112	116	126	120	123	144	127	133
17	---	---	---	---	---	---	132	120	124	153	140	147
18	122	85	103	---	---	---	149	107	132	142	128	133
19	138	118	126	---	---	---	121	106	112	146	138	142
20	157	140	151	---	---	---	120	110	115	150	136	143
21	155	142	146	162	140	153	125	115	120	145	133	137
22	151	131	146	136	93	109	122	117	120	148	140	144
23	132	107	115	90	77	82	127	116	121	153	139	146
24	115	103	108	94	78	82	132	124	127	146	136	140
25	112	105	109	106	91	97	125	120	122	156	141	147
26	114	105	110	107	99	104	124	108	115	158	148	154
27	115	101	107	107	94	100	114	106	110	163	138	150
28	116	105	111	103	87	93	111	106	108	142	138	140
29	124	109	117	107	99	104	114	106	110	144	133	138
30	129	118	122	107	100	104	107	99	104	154	136	147
31	---	---	---	106	98	101	122	100	110	---	---	---
MONTH	181	63	114	162	77	112	149	90	114	163	89	134
PERIOD	**207**	**62**	**114**									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

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

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	11.5	10.0	11.0
2	---	---	---	---	---	---	---	---	---	12.0	11.0	11.5
3	---	---	---	---	---	---	---	---	---	13.0	11.5	12.0
4	---	---	---	---	---	---	---	---	---	13.0	12.0	12.5
5	---	---	---	---	---	---	---	---	---	12.5	12.0	12.0
6	---	---	---	---	---	---	---	---	---	12.0	11.5	12.0
7	---	---	---	---	---	---	---	---	---	12.0	11.0	11.5
8	---	---	---	---	---	---	---	---	---	12.0	11.5	11.5
9	---	---	---	---	---	---	---	---	---	12.0	12.0	12.0
10	---	---	---	---	---	---	---	---	---	12.5	12.0	12.5
11	---	---	---	---	---	---	---	---	---	13.5	12.5	13.0
12	---	---	---	---	---	---	---	---	---	14.0	13.0	13.5
13	---	---	---	---	---	---	---	---	---	14.5	14.0	14.0
14	---	---	---	---	---	---	---	---	---	15.0	14.5	15.0
15	---	---	---	---	---	---	---	---	---	15.5	15.0	15.0
16	---	---	---	---	---	---	---	---	---	16.0	15.5	15.5
17	---	---	---	---	---	---	---	---	---	16.5	15.5	16.0
18	---	---	---	---	---	---	---	---	---	16.0	15.5	16.0
19	---	---	---	---	---	---	---	---	---	16.0	15.0	15.5
20	---	---	---	---	---	---	---	---	---	16.5	15.5	16.0
21	---	---	---	---	---	---	---	---	---	17.5	16.0	17.0
22	---	---	---	---	---	---	---	---	---	19.0	17.5	18.0
23	---	---	---	---	---	---	---	---	---	20.0	18.0	19.0
24	---	---	---	---	---	---	---	---	---	19.5	18.5	19.5
25	---	---	---	---	---	---	---	---	---	18.5	17.5	18.0
26	---	---	---	---	---	---	---	---	---	17.5	16.5	17.0
27	---	---	---	---	---	---	---	---	---	17.0	16.0	16.5
28	---	---	---	---	---	---	---	---	---	17.5	16.5	17.0
29	---	---	---	---	---	---	---	---	---	18.5	17.0	17.5
30	---	---	---	---	---	---	---	---	---	18.5	18.0	18.5
31	---	---	---	---	---	---	---	---	---	19.0	18.0	18.5
MONTH	---	---	---	---	---	---	---	---	---	20.0	10.0	15.0

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	17.0	17.5	24.0	23.5	24.0	23.0	22.5	23.0	23.0	22.5	22.5
2	17.5	16.5	17.0	24.0	23.0	23.5	23.5	22.0	23.0	22.5	21.5	22.0
3	17.5	16.5	17.0	23.5	23.0	23.0	23.5	22.5	23.0	21.5	20.0	21.0
4	19.0	17.5	18.0	23.0	22.0	22.5	23.5	23.0	23.0	20.0	19.5	19.5
5	19.0	18.5	18.5	22.0	21.5	22.0	24.0	23.0	23.5	19.5	19.0	19.5
6	18.0	14.0	16.5	21.5	21.0	21.5	23.5	22.5	23.0	19.5	19.0	19.0
7	15.0	13.5	14.5	22.5	21.5	22.0	24.0	23.0	23.5	19.5	19.0	19.0
8	17.0	15.0	16.0	23.0	21.5	22.5	24.0	23.0	23.5	20.0	19.5	19.5
9	19.0	17.0	18.0	22.5	22.0	22.5	24.0	23.0	23.0	20.0	19.5	20.0
10	19.0	17.0	18.0	23.0	22.0	22.5	23.5	22.5	23.0	21.0	20.0	20.5
11	19.0	18.5	18.5	23.5	22.0	22.5	24.0	22.5	23.0	21.0	21.0	21.0
12	19.5	18.5	19.0	24.0	22.5	23.0	24.0	23.5	23.5	21.0	20.5	20.5
13	21.0	19.5	20.0	24.0	23.0	23.5	24.0	23.0	23.0	20.5	20.0	20.0
14	22.0	20.5	21.0	24.0	23.0	23.5	23.0	22.5	22.5	20.0	19.5	19.5
15	22.0	21.5	21.5	23.0	22.5	22.5	22.5	22.0	22.0	20.0	19.5	19.5
16	---	---	---	23.0	22.0	22.5	22.0	21.5	21.5	20.5	19.5	20.0
17	---	---	---	---	---	---	21.5	21.5	21.5	21.0	20.0	20.5
18	22.5	21.5	22.5	---	---	---	21.5	21.0	21.0	21.5	21.0	21.0
19	23.0	22.0	22.5	---	---	---	21.5	21.0	21.5	22.0	21.5	21.5
20	23.0	22.5	23.0	---	---	---	21.5	20.5	21.0	21.5	20.5	21.0
21	23.0	22.5	22.5	24.5	23.5	24.0	22.0	21.0	21.5	20.5	20.0	20.0
22	23.0	22.0	22.5	24.0	23.0	23.5	22.5	21.0	21.5	20.5	19.5	20.0
23	22.0	21.5	21.5	23.0	22.5	23.0	23.0	22.0	22.5	20.5	20.0	20.0
24	21.5	20.5	21.0	23.5	22.5	23.0	24.0	22.5	23.0	20.0	19.0	19.0
25	21.5	20.5	21.0	24.0	22.5	23.5	24.0	23.0	23.5	19.0	18.0	18.5
26	22.0	20.5	21.5	24.0	23.5	23.5	24.0	23.0	23.5	18.0	17.5	18.0
27	22.0	21.0	21.5	23.5	23.5	23.5	24.0	23.5	24.0	18.0	17.5	17.5
28	22.5	21.5	22.0	24.0	23.5	23.5	24.0	23.5	24.0	18.5	18.0	18.0
29	23.5	22.0	22.5	24.5	23.5	24.0	24.0	23.5	24.0	18.5	17.5	18.0
30	24.0	22.5	23.0	24.5	24.0	24.0	24.0	23.0	23.5	17.5	16.5	17.0
31	---	---	---	24.0	23.0	23.5	23.5	23.0	23.0	---	---	---
MONTH	24.0	13.5	20.0	24.5	21.0	23.0	24.0	20.5	23.0	23.0	16.5	20.0
PERIOD	**24.5**	**10.0**	**19.0**									

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.8	9.6	9.7	---	---	---	---	---	---	---	---	---
2	9.6	9.4	9.5	---	---	---	---	---	---	---	---	---
3	9.5	9.3	9.4	---	---	---	---	---	---	---	---	---
4	9.4	9.2	9.3	---	---	---	---	---	---	---	---	---
5	9.2	9.1	9.2	---	---	---	---	---	---	---	---	---
6	9.1	8.9	9.0	---	---	---	---	---	---	---	---	---
7	9.2	8.9	9.1	---	---	---	---	---	---	---	---	---
8	9.6	9.2	9.4	---	---	---	---	---	---	---	---	---
9	9.7	9.6	9.7	---	---	---	---	---	---	---	---	---
10	9.7	9.4	9.6	---	---	---	---	---	---	---	---	---
11	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
12	9.5	9.3	9.3	---	---	---	---	---	---	---	---	---
13	9.7	9.5	9.6	---	---	---	---	---	---	---	---	---
14	9.9	9.7	9.8	---	---	---	---	---	---	---	---	---
15	10.1	9.9	10.0	---	---	---	---	---	---	---	---	---
16	10.0	9.8	9.9	---	---	---	---	---	---	---	---	---
17	10.1	9.9	10.0	---	---	---	---	---	---	---	---	---
18	10.0	9.8	9.9	---	---	---	---	---	---	---	---	---
19	9.9	9.7	9.8	---	---	---	---	---	---	---	---	---
20	10.0	9.7	9.9	---	---	---	---	---	---	---	---	---
21	10.2	10.0	10.1	---	---	---	---	---	---	---	---	---
22	10.3	10.1	10.2	---	---	---	---	---	---	---	---	---
23	10.3	10.1	10.2	---	---	---	---	---	---	---	---	---
24	10.3	10.1	10.2	---	---	---	---	---	---	---	---	---
25	10.1	9.9	10.0	---	---	---	---	---	---	---	---	---
26	9.8	9.7	9.8	---	---	---	---	---	---	---	---	---
27	9.7	9.6	9.6	---	---	---	---	---	---	---	---	---
28	9.8	9.5	9.7	---	---	---	---	---	---	---	---	---
29	10.3	9.9	10.1	---	---	---	---	---	---	---	---	---
30	10.4	10.2	10.3	---	---	---	---	---	---	---	---	---
31	10.7	10.4	10.5	---	---	---	---	---	---	---	---	---
MONTH	10.7	8.9	9.7	---	---	---	---	---	---	---	---	---

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

OXYGEN DISSOLVED MG/L, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	10.5	9.9	10.2
2	---	---	---	---	---	---	---	---	---	10.0	9.7	9.8
3	---	---	---	---	---	---	---	---	---	9.7	9.2	9.4
4	---	---	---	---	---	---	---	---	---	9.9	9.1	9.6
5	---	---	---	---	---	---	---	---	---	10.3	9.7	10.1
6	---	---	---	---	---	---	---	---	---	10.7	10.2	10.4
7	---	---	---	---	---	---	---	---	---	10.7	10.2	10.5
8	---	---	---	---	---	---	---	---	---	10.3	9.9	10.1
9	---	---	---	---	---	---	---	---	---	10.1	9.6	9.8
10	---	---	---	---	---	---	---	---	---	9.9	9.4	9.6
11	---	---	---	---	---	---	---	---	---	10.1	9.8	9.9
12	---	---	---	---	---	---	---	---	---	10.0	9.6	9.9
13	---	---	---	---	---	---	---	---	---	9.6	9.2	9.4
14	---	---	---	---	---	---	---	---	---	9.4	9.0	9.2
15	---	---	---	---	---	---	---	---	---	9.8	9.4	9.6
16	---	---	---	---	---	---	---	---	---	9.6	9.3	9.4
17	---	---	---	---	---	---	---	---	---	9.4	9.1	9.3
18	---	---	---	---	---	---	---	---	---	9.3	8.9	9.0
19	---	---	---	---	---	---	---	---	---	9.7	9.3	9.6
20	---	---	---	---	---	---	---	---	---	9.5	9.0	9.4
21	---	---	---	---	---	---	---	---	---	9.2	8.9	9.1
22	---	---	---	---	---	---	---	---	---	8.9	8.7	8.8
23	---	---	---	---	---	---	---	---	---	8.7	8.4	8.6
24	---	---	---	---	---	---	---	---	---	8.7	8.3	8.4
25	---	---	---	---	---	---	---	---	---	9.1	8.6	8.8
26	---	---	---	---	---	---	---	---	---	9.2	9.0	9.1
27	---	---	---	---	---	---	---	---	---	9.2	9.0	9.1
28	---	---	---	---	---	---	---	---	---	9.0	8.8	8.9
29	---	---	---	---	---	---	---	---	---	8.8	8.5	8.7
30	---	---	---	---	---	---	---	---	---	8.7	8.5	8.6
31	---	---	---	---	---	---	---	---	---	8.6	8.5	8.6
MONTH	---	---	---	---	---	---	---	---	---	10.7	8.3	9.4

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

01064500 SACO RIVER NEAR CONWAY, NH

LOCATION.--Lat 43°59'27", long 71°05'29", Carroll County, Hydrologic Unit 01060002, on left bank at Odell Falls 1.8 mi downstream from Swift River and Conway.
DRAINAGE AREA.--385 mi^2.
PERIOD OF RECORD.--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. 4-5, Dec. 16 to Mar. 11, Mar. 14-26, and Sep. 24-30. Records good except for periods of ice effect, Dec. 4-5, Dec. 16 to Mar. 11 and Mar. 14-26, and period of no gage-height record Sep. 24-30, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,200 ft^3/s, Mar. 27, 1953, gage height, 17.20 ft.; maximum gage height, 19.03 ft, Mar. 07, 1979, (ice jam); minimum discharge, 40 ft^3/s, Mar. 16, 1932, gage height, 1.61 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 7	0015	*15,100	*9.76	Mar. 27	1645	8,850	7.98
Mar. 12	0015	12,400	8.97				

Minimum discharge, 233 ft^3/s, Aug. 26, gage height, 2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	498	739	799	e640	e550	e310	1350	1890	828	309	541	401
2	633	733	770	e570	e500	e300	1390	2020	1130	290	555	350
3	732	683	714	e530	e450	e290	1320	2430	739	273	396	350
4	607	636	e690	e520	e440	e285	1140	2410	610	310	351	1780
5	542	619	e650	e850	e430	e295	1090	1730	592	528	1790	1030
6	6210	583	629	e950	e420	e325	1040	1430	1930	679	782	705
7	8040	556	641	e790	e410	e360	1110	1270	2620	589	531	591
8	2870	537	672	e665	e400	e420	1320	1250	1300	429	441	526
9	1910	516	700	e600	e390	e500	1500	1440	980	512	421	481
10	1500	496	926	e540	e380	e640	1480	1830	793	766	542	428
11	1310	684	718	e510	e370	e4280	1660	1790	693	547	452	508
12	1670	1300	654	e490	e360	6520	1260	1630	620	487	385	479
13	1620	889	673	e630	e350	2280	1060	1590	558	429	341	401
14	1240	754	1110	e850	e345	e1380	974	1780	509	407	323	364
15	1080	707	1510	e1490	e340	e1140	945	1430	483	498	345	339
16	3800	850	e1050	e815	e335	e960	925	1180	452	460	358	322
17	3250	887	e845	e670	e340	e920	945	1110	419	381	335	306
18	2390	734	e735	e660	e370	e740	861	1150	393	445	374	292
19	1920	686	e690	e650	e430	e700	904	1110	372	512	429	298
20	1550	704	e670	e630	e580	e640	1480	925	365	963	367	321
21	1330	727	e730	e620	e500	e575	3710	892	943	601	319	284
22	1210	718	e690	e600	e430	e540	6100	887	656	462	292	278
23	1090	1560	e645	e590	e420	e510	5610	819	493	396	272	705
24	996	1590	e630	e1370	e395	e490	4810	746	436	385	258	e538
25	926	1450	e540	e1240	e380	e470	4350	698	501	353	247	e450
26	869	1170	e445	e865	e360	e500	2770	634	482	321	240	e340
27	822	982	e425	e720	e340	4380	2230	591	405	301	364	e390
28	779	905	e405	e675	e330	5020	1980	545	387	288	641	e440
29	727	859	e428	e640	e320	3440	1750	528	357	272	823	e370
30	681	816	e1120	e615	---	1970	1810	502	327	259	839	e320
31	664	---	e800	e605	---	1620	---	481	---	259	507	---
TOTAL	53466	25070	22704	22590	11665	42800	58874	38718	21373	13711	14861	14387
MEAN	1725	836	732	729	402	1381	1962	1249	712	442	479	480
MAX	8040	1590	1510	1490	580	6520	6100	2430	2620	963	1790	1780
MIN	498	496	405	490	320	285	861	481	327	259	240	278
CFSM	4.48	2.17	1.90	1.89	1.04	3.59	5.10	3.24	1.85	1.15	1.25	1.25
IN.	5.17	2.42	2.19	2.18	1.13	4.14	5.69	3.74	2.07	1.32	1.44	1.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1992, BY WATER YEAR (WY)

MEAN	628	928	752	554	509	956	2609	2284	827	422	363	388
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1904 - 1992	
ANNUAL TOTAL	329718		340219			
ANNUAL MEAN	903		930		936	
HIGHEST ANNUAL MEAN					1463	1973
LOWEST ANNUAL MEAN					489	1965
HIGHEST DAILY MEAN	9290	Apr 22	8040	Oct 7	33900	Mar 19 1936
LOWEST DAILY MEAN	106	Aug 3	240	Aug 26	66	Aug 4 1959
ANNUAL SEVEN-DAY MINIMUM	117	Jul 29	285	Aug 21	74	Aug 3 1959
INSTANTANEOUS PEAK FLOW			15100	Oct 7	47200	Mar 27 1953
INSTANTANEOUS PEAK STAGE			9.76	Oct 7	19.03	Mar 7 1979
INSTANTANEOUS LOW FLOW			233	Aug 26	40	Mar 16 1932
ANNUAL RUNOFF (CFSM)	2.35		2.41		2.43	
ANNUAL RUNOFF (INCHES)	31.86		32.87		33.03	
10 PERCENT EXCEEDS	1650		1740		2180	
50 PERCENT EXCEEDS	633		640		453	
90 PERCENT EXCEEDS	197		338		180	

e Estimated

01065500 OSSIPEE RIVER AT CORNISH, ME

LOCATION.--Lat 43°48'26", long 70°47'55", Oxford County, Hydrologic Unit 01060002, on left bank 100 ft downstream from highway bridge in Cornish and 1.3 mi upstream from mouth.
DRAINAGE AREA.--452 mi^2.
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. 18-21, Dec. 25 to Jan. 2, and Jan. 11 to Mar. 5. Records good except for periods of ice effect, Dec. 18-21, Dec. 25 to Jan. 2, and Jan. 11 to Mar. 5, 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 ft^3. 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 ft^3/s, Mar. 21, 1936, gage height, 16.32 ft present datum, from rating curve extended above 7,500 ft^3/s; minimum daily, 65 ft^3/s, Sept. 8, 1929.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,080 ft^3/s, Mar. 27, gage height, 5.75 ft; minimum daily, 207 ft^3/s, July 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	828	609	1250	e1060	e587	e465	2280	1720	561	264	391	289
2	822	609	1210	e1030	e580	e455	2160	1610	688	255	344	232
3	808	603	1190	1000	e574	e452	2010	1630	814	207	288	253
4	725	593	1190	974	e568	e450	1870	1530	972	213	280	396
5	394	583	1140	1040	e560	e448	1740	1330	958	235	628	578
6	399	574	1100	1100	e556	462	1650	1290	1120	227	510	736
7	724	571	1070	1070	e547	479	1570	1240	1640	223	379	729
8	1620	560	1050	1040	e539	584	1530	1180	1470	219	374	714
9	1620	402	1010	991	e530	631	1490	1140	1420	621	381	528
10	1510	373	684	962	e525	676	1450	1000	1330	1030	397	489
11	1360	530	658	e910	e520	1610	1450	435	1240	962	393	491
12	1210	908	657	e870	e515	1900	1430	384	1030	370	373	366
13	1180	907	722	e838	e510	1940	1410	385	426	305	239	342
14	1130	837	1150	e820	e505	1820	1350	384	323	725	218	337
15	1100	903	1350	e795	e512	1600	1280	365	314	780	216	321
16	1160	1110	1250	e780	e528	1400	1200	446	300	768	218	331
17	1180	1070	1160	e760	e543	1260	1210	486	294	745	218	328
18	1220	1020	e1110	e745	e551	1140	1190	481	288	561	245	326
19	1230	998	e1080	e730	e560	1050	1220	474	394	541	254	256
20	1190	983	e1050	e715	e567	970	1370	462	391	872	243	220
21	1140	965	e1020	e700	e542	915	1440	454	396	950	232	215
22	1110	968	1000	e690	e520	870	1620	464	433	969	227	216
23	1080	1460	988	e675	e503	835	1880	463	410	802	216	354
24	1050	1490	970	e668	e493	795	2260	488	385	516	215	636
25	951	1550	e966	e653	e488	757	2510	538	335	318	226	467
26	640	1740	e935	e643	e485	735	2490	506	456	260	237	304
27	625	1590	e905	e632	e480	2220	2340	485	421	261	258	252
28	621	1390	e890	e624	e476	2190	2180	469	344	247	281	255
29	609	1330	e875	e616	e471	2930	2010	463	338	252	731	242
30	597	1280	e1100	e603	---	2720	1850	452	288	249	742	228
31	600	---	e1090	e598	---	2500	---	443	---	249	692	---
TOTAL	30433	28506	31820	25332	15335	37259	51440	23197	19779	15196	10646	11431
MEAN	982	950	1026	817	529	1202	1715	748	659	490	343	381
MAX	1620	1740	1350	1100	587	2930	2510	1720	1640	1030	742	736
MIN	394	373	657	598	471	448	1190	365	288	207	215	215

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1992, BY WATER YEAR (WY)

MEAN	474	724	870	724	722	1184	2447	1501	759	443	377	358
MAX	2087	1814	2635	1701	1910	5552	4710	3479	2628	1992	1065	1516
(WY)	1978	1952	1974	1978	1970	1936	1969	1954	1917	1973	1990	1954
MIN	146	201	192	201	221	288	920	436	234	185	166	175
(WY)	1948	1965	1923	1948	1940	1940	1957	1941	1985	1953	1949	1936

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1916 - 1992	
ANNUAL TOTAL	317348		300374			
ANNUAL MEAN	869		821		881	
HIGHEST ANNUAL MEAN					1426	1984
LOWEST ANNUAL MEAN					448	1965
HIGHEST DAILY MEAN	2880	Apr 24	2930	Mar 29	16300	Mar 21 1936
LOWEST DAILY MEAN	177	Aug 3	207	Jul 3	65	Sep 8 1929
ANNUAL SEVEN-DAY MINIMUM	186	Jul 28	226	Jul 2	91	Jul 2 1921
INSTANTANEOUS PEAK FLOW			3080	Mar 27	17200	Mar 21 1936
INSTANTANEOUS PEAK STAGE			5.75	Mar 27	16.32	Mar 21 1936
10 PERCENT EXCEEDS	1680		1530		1940	
50 PERCENT EXCEEDS	765		671		565	
90 PERCENT EXCEEDS	219		259		230	

e Estimated

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 mi^2.

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. 25-29, Jan. 1, 2, 12, 13 and Jan. 15 to Mar. 8. Records good except for period of ice effect, Dec. 25-29, Jan. 1, 2, 12, 13 and Jan. 15 to Mar. 8, 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 ft^3. Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,600 ft^3/s, revised, Mar. 21-22, 1936, gage height, 21.90 ft, (from floodmarks); minimum daily, 244 ft^3/s, Oct. 7, 1964.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,300 ft^3/s, Apr. 27, gage height, 7.57 ft; minimum daily 556 ft^3/s, Aug. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2340	2230	3390	e2600	e2130	e1100	7530	6070	1650	1100	1110	1170
2	2150	2080	3140	e2580	e2100	e1030	7230	5610	1820	1050	1100	871
3	2130	2250	3150	2430	e2030	e1130	6660	5420	2030	794	1190	910
4	1970	1930	3100	2490	e1920	e1160	6130	5200	2120	800	963	1240
5	1770	2020	2800	2630	e1920	e1160	5650	4960	2050	892	1230	1610
6	1600	1890	2440	2760	e1740	e1170	5230	4810	2430	1170	1610	1910
7	2500	1910	2350	2740	e1610	e1200	4850	4470	3360	1030	1540	1990
8	4510	1870	2110	2820	e1590	e1380	4620	4140	3390	1120	1400	1820
9	4780	1720	2140	2690	e1590	1780	4440	3930	3320	1440	1340	1550
10	5180	1670	2110	2600	e1310	1830	4330	3590	3140	1880	1300	1460
11	5230	1630	2520	2480	e1490	3740	4290	3020	2970	1870	1390	1370
12	4990	2620	2620	e2370	e1460	4810	4290	2930	2640	1380	1250	1300
13	4770	2750	2620	e2360	e1420	4970	4230	2900	2050	1240	1020	1210
14	4540	2760	3190	2310	e1220	5110	3990	2830	1670	1520	862	1090
15	4330	2840	3300	e2400	e1230	5210	3850	2780	1620	1630	928	1080
16	4270	3000	3250	e2260	e1400	5290	3590	2830	1510	1670	926	975
17	4120	2960	2920	e2080	e1260	4920	3530	2850	1500	1470	893	984
18	4460	2910	2560	e1890	e1270	4410	3490	2510	1320	1420	910	950
19	4630	2800	2730	e1880	e1330	3970	3430	2560	1410	1390	920	867
20	4690	2760	2580	e1720	e1460	3540	3520	2390	1120	1890	898	826
21	4580	2640	2250	e2070	e1420	3280	3900	2250	1110	2020	883	767
22	4410	2670	2160	e2090	e1470	2990	4390	2110	1510	2060	875	774
23	4100	3500	2330	e2100	e1420	2780	5140	2100	1640	1800	868	801
24	3860	3660	2340	e2250	e1400	2600	6220	1970	1520	1490	821	1230
25	3570	3920	e2510	e2280	e1400	2390	7540	1860	1430	1170	836	1290
26	3030	4140	e2560	e2320	e1390	2280	8070	1840	1480	1100	685	1030
27	2850	4020	e2550	e2330	e1430	4990	8190	1690	1370	990	556	908
28	2740	3800	e2430	e2400	e1370	5740	7990	1660	1310	952	784	943
29	2580	3690	e2400	e2550	e1180	7700	7400	1650	1270	897	1360	920
30	2480	3540	2670	e2230	---	7590	6740	1530	1180	758	1450	797
31	2220	---	2700	e2220	---	7700	---	1410	---	816	1730	---
TOTAL	111380	82180	81920	72930	43960	108950	160460	95870	56940	40809	33628	34643
MEAN	3593	2739	2643	2353	1516	3515	5349	3093	1898	1316	1085	1155
MAX	5230	4140	3390	2820	2130	7700	8190	6070	3390	2060	1730	1990
MIN	1600	1630	2110	1720	1180	1030	3430	1410	1110	758	556	767

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1992, BY WATER YEAR (WY)

MEAN	1492	2362	2528	1960	1933	3198	7300	5596	2574	1406	1077	1053
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1916 - 1992	
ANNUAL TOTAL	968127		923670			
ANNUAL MEAN	2652		2524		2702	
HIGHEST ANNUAL MEAN					4076	1973
LOWEST ANNUAL MEAN					1372	1965
HIGHEST DAILY MEAN	9200	Apr 25	8190	Apr 27	45600	Mar 21 1936
LOWEST DAILY MEAN	356	Aug 3	556	Aug 27	244	Oct 7 1964
ANNUAL SEVEN-DAY MINIMUM	372	Jul 28	775	Aug 22	301	Oct 13 1957
INSTANTANEOUS PEAK FLOW			8300	Apr 27	46600	Mar 21 1936
INSTANTANEOUS PEAK STAGE			7.57	Apr 27	21.90	Mar 21 1936
10 PERCENT EXCEEDS	5010		4770		6170	
50 PERCENT EXCEEDS	2290		2110		1670	
90 PERCENT EXCEEDS	597		981		675	

e Estimated

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 1991 TO SEPTEMBER 1992

DATE	TIME	STREAM-FLOW, INSTAN-TANEOU (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 (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												
07...	0930	1,960	35	6.7	5.5	7.0	1.1	760	11.5	95	K 2	K 1
DEC												
10...	0930	2,050	38	6.6	4.0	1.5	1.0	755	13.4	96	K 1	K 2
FEB												
06...	0915	E 1,740	43	6.5	-5.0	0.0	0.60	750	13.4	93	K 1	<1
APR												
07...	1015	4,690	33	6.7	13.0	5.0	1.1	750	13.0	103	K 5	<1
JUN												
11...	1415	2,820	34	6.7	20.0	19.5	0.90	756	9.1	100	34	K 7
AUG												
26...	1300	942	42	6.9	28.0	23.5	0.50	759	9.2	108	20	30

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											
07...	9	2.7	0.45	3.4	0.6	6.0	0.0	4.9	3.4	4.4	0.3
DEC											
10...	8	2.5	0.50	3.3	0.5	6.0	0.0	4.9	3.7	3.8	0.2
FEB											
06...	9	2.8	0.44	3.8	0.6	6.7	0.0	5.5	3.6	4.7	0.3
APR											
07...	7	2.2	0.35	3.0	0.5	4.6	0.0	3.8	3.3	4.6	0.3
JUN											
11...	7	2.3	0.40	3.2	0.4	5.5	0.0	4.5	3.0	3.9	0.3
AUG											
26...	10	2.9	0.50	4.0	0.6	7.5	0.0	6.2	3.2	4.9	0.3

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 1991 TO SEPTEMBER 1992

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										
07...	7.2	29	25	<0.01	<0.01	0.10	0.11	0.02	<0.01	--
DEC										
10...	7.6	24	25	0.01	0.01	0.14	0.15	0.01	0.02	0.03
FEB										
06...	7.5	33	26	0.01	<0.01	0.15	0.15	0.01	0.03	0.04
APR										
07...	5.4	33	22	<0.01	<0.01	0.11	0.11	0.01	0.01	0.01
JUN										
11...	5.3	20	22	<0.01	<0.01	0.06	0.06	0.01	0.02	0.03
AUG										
26...	5.2	23	25	<0.01	<0.01	0.08	0.09	0.03	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										
07...	<0.2	<0.01	<0.01	<0.01	<0.01	80	4	<3	150	<4
DEC										
10...	<0.2	<0.01	<0.01	0.01	<0.01	--	--	--	--	--
FEB										
06...	<0.2	0.02	<0.01	<0.01	<0.01	70	<2	<3	120	<4
APR										
07...	<0.2	<0.01	<0.01	<0.01	<0.01	70	3	<3	83	<4
JUN										
11...	<0.2	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--
AUG										
26...	<0.2	0.01	0.01	<0.01	<0.01	30	3	<3	150	<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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
07...	13	<10	<1	<1	<1	20	<6	7	37	44
DEC										
10...	--	--	--	--	--	--	--	29	161	6
FEB										
06...	14	<10	<1	<1	<1	21	<6	2	9.4	62
APR										
07...	25	<10	<1	<1	<1	17	<6	29	367	16
JUN										
11...	--	--	--	--	--	--	--	8	61	35
AUG										
26...	17	<10	3	<1	<1	22	<6	5	13	62

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 mi^2.
PERIOD OF RECORD.--October 1968 to current year.
GAGE.--Water-stage recorder and concrete control. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map.
REMARKS.--Estimated daily discharges: Mar. 20-26 and June 9-11. Records good except for periods of missing gage-height record, Mar. 20-26 and June 9-11, which are fair. Flow regulated by Great East and Lovell Lakes, and Horn, Wilson, and Milton (also controls Northeast and Town House) Ponds, combined usable capacity, 1,280,000,000 ft^3. Several observations of water temperature and specific conductance were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft^3/s, Apr. 6, 1984, gage height, 6.70 ft; minimum daily, 19 ft^3/s, Aug. 30, Sept. 13, 1970.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 581 ft^3/s, June 8, gage height, 4.29 ft; minimum daily, 34 ft^3/s, July 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	187	225	358	238	136	141	338	229	125	51	40	43
2	250	225	357	242	136	141	326	224	165	45	40	37
3	263	223	353	242	125	141	312	227	173	39	40	37
4	249	222	248	236	111	112	298	231	168	39	41	41
5	243	220	155	242	111	87	292	231	150	47	101	45
6	243	216	156	244	110	87	290	188	235	44	136	45
7	254	216	158	245	109	87	288	145	370	45	89	46
8	272	213	158	266	109	88	198	151	480	47	35	47
9	269	213	201	290	109	144	138	154	e338	75	35	47
10	256	211	236	267	92	192	138	157	e292	94	35	47
11	164	212	236	249	71	293	139	150	e250	94	35	48
12	135	217	236	247	71	382	141	143	232	94	35	48
13	170	226	236	204	71	382	183	143	210	58	35	47
14	235	298	239	145	71	382	220	142	190	34	71	54
15	276	357	244	210	71	381	215	139	158	34	98	60
16	275	357	286	256	71	249	213	138	140	72	98	59
17	318	355	336	255	72	131	219	136	91	96	98	63
18	325	241	335	253	140	131	217	95	56	96	98	83
19	311	150	286	252	235	131	217	54	56	97	98	99
20	302	153	245	182	235	e136	233	54	56	98	98	103
21	296	155	245	103	234	e136	277	54	58	98	98	146
22	261	198	244	133	229	e136	320	54	61	98	98	174
23	231	244	244	155	229	e141	332	53	63	98	98	173
24	231	263	242	217	172	e141	325	53	66	98	98	173
25	230	385	239	269	105	e90	350	62	66	98	77	172
26	230	400	232	267	105	e90	348	81	66	97	51	168
27	229	373	231	232	105	116	324	107	66	96	51	167
28	228	362	229	184	121	235	292	116	65	73	51	167
29	227	361	229	184	142	405	259	109	58	56	51	164
30	226	358	230	157	---	403	239	101	51	47	51	158
31	225	---	232	136	---	365	---	96	---	40	51	---
TOTAL	7611	7849	7656	6802	3698	6076	7681	4017	4555	2198	2131	2761
MEAN	246	262	247	219	128	196	256	130	152	70.9	68.7	92.0
MAX	325	400	358	290	235	405	350	231	480	98	136	174
MIN	135	150	155	103	71	87	138	53	51	34	35	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1992, BY WATER YEAR (WY)

MEAN	172	194	224	173	197	318	436	233	131	64.4	67.4	85.9
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	110	103	55.4	40.4	26.1	30.5	35.7
(WY)	1969	1987	1979	1977	1977	1980	1985	1985	1985	1991	1987	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1969 - 1992	
ANNUAL TOTAL	64143		63035			
ANNUAL MEAN	176		172		191	
HIGHEST ANNUAL MEAN					307	1984
LOWEST ANNUAL MEAN					98.6	1985
HIGHEST DAILY MEAN	492	Sep 27	480	Jun 8	3220	Mar 15 1977
LOWEST DAILY MEAN	25	Jul 5	34	Jul 14	19	Aug 30 1970
ANNUAL SEVEN-DAY MINIMUM	25	Jul 28	40	Aug 8	25	Jun 30 1976
INSTANTANEOUS PEAK FLOW			581	Jun 8	4000	Apr 6 1984
INSTANTANEOUS PEAK STAGE			4.29	Jun 8	6.70	Apr 6 1984
10 PERCENT EXCEEDS	312		305		400	
50 PERCENT EXCEEDS	194		157		136	
90 PERCENT EXCEEDS	27		51		40	

e Estimated

DISCHARGE MEASUREMENTS AT MISCELLANEOUS SITES, WATER YEAR 1992

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, ME.	about 86	1991	04-30-92 06-23-92 07-29-92	353 255 45.6
ST. CROIX RIVER BASIN						
St. Croix 01020000	Atlantic Ocean	Lat 45°15'55", long 67°28'35", Washington County, 700 ft downstream from powerhouse at Grand Falls, near Baileyville, ME.	1315	many	06-02-92 06-03-92 06-03-92	1080 2180 3120
KENNEBEC RIVER BASIN						
Wilson Stream 01047730	Kennebec River	Lat 44°36'55", long 70°11'42", Franklin County, 0.1mi upstream from railroad bridge in East Wilton, and 1.5 mi downstream from Varnum Stream at East Wilton, ME	45.8	many	08-11-92 08-11-92	22.4 22.1
Outlet of Cochnewagon Lake	Wilson Stream	Lat 44°14'18", long 70°02'10", Kennebec County, at Outlet of Cochnewagon Lake at Monmouth, ME	3.14	1976, 91	11-20-91 01-27-92	0.31 4.29
Johnson Brook 01049130	Fifteenmile Stream	Lat 44°29'53", long 69°29'12", Kennebec County, 0.8 mi downstream from Dutton Pond at South Albion, ME	2.92	many	10-25-91	2.94
ANDROSCOGGIN RIVER BASIN						
Swift River	Androscoggin River	Lat 44°33'17", long 70°32'43", downstream side of Route 2 highway bridge at Rumford, ME	125	many	04-23-92 07-10-92 09-09-92	2230 547 46.9

ST. JOHN RIVER BASIN

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME (LAT 46 42 00N LONG 069 42 59W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
OCT 1991 10...	1800	5740	9.0	11.0	40
JAN 1992 16...	1000	551	0.0	-26.0	57
MAR 18...	0710	1370	0.0	-16.0	52
APR 23...	1815	31600	0.0	3.0	22

01010070 BIG BLACK RIVER NEAR DEPOT MTN, ME (LAT 46 53 38N LONG 069 45 08W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
JAN 1992 17...	1440	101	0.5	-16.0	97
MAR 17...	1045	284	0.0	-2.0	79
APR 23...	0915	5320	0.0	4.0	29
SEP 12..	1110	79	14.0	14.0	94

01010500 ST. JOHN RIVER AT DICKEY, ME (LAT 47 06 44N LONG 069 05 25W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
MAR 1992 04...	0930	562	0.5	-12.0	--
JUN 24...	1550	22300	15.0	19.0	40
AUG 25...	0650	975	22.0	20.0	70

01011000 ALLAGASH RIVER NEAR ALLAGASH, ME (LAT 47 04 14N LONG 069 04 51W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
NOV 1991 05...	0735	1460	3.0	-2.0	50
JAN 1992 07...	0940	1750	0.5	-3.0	24
MAR 04...	1200	470	0.5	4.0	--
APR 29...	1113	8480	3.0	16.0	34
JUN 24...	1645	4660	15.5	19.0	52
AUG 25..	1412	700	24.0	29.0	56

01013500 FISH RIVER NEAR FORT KENT, ME (LAT 47 14 14N LONG 068 34 56W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
NOV 1991 05...	1132	1990	6.0	2.0	62
JAN 1992 07...	1310	952	0.5	1.0	76
MAR 05...	0745	451	0.5	-3.0	--
APR 29...	1245	6870	3.0	15.0	58
JUN 25...	1045	1420	17.5	14.0	64
AUG 24...	1650	916	22.5	24.0	64

01014000 ST. JOHN RIVER BELOW FISH R, AT FORT KENT, ME (LAT 47 15 27N LONG 068 35 35W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
JAN 1992 07...	1515	5320	0.0	0.0	75
MAR 04...	1700	1710	0.5	-3.0	--
APR 29...	1515	45800	3.0	17.0	57
AUG 26...	0650	3300	20.0	18.0	92

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME (LAT 46 31 21N LONG 068 22 23W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
NOV 1991 04...	1129	1230	6.0	8.0	46
JAN 1992 06..	1230	1200	0.5	4.0	46
MAR 03...	1130	278	0.5	0.5	--
APR 28..	1030	5180	4.0	12.5	36
AUG 24...	1000	263	21.0	24.0	61

01017000 AROOSTOOK RIVER AT WASHBURN, ME (LAT 46 46 36N LONG 068 09 29W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
JAN 1992 06...	1545	1580	0.5	2.0	50
MAR 03...	1525	567	0.0	4.0	--
APR 28...	1500	9170	5.5	17.0	40
JUN 23...	1500	1510	15.5	16.0	88
AUG 24...	1245	510	24.0	29.0	70

MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
ST. CROIX RIVER BASIN											
01018500 ST. CROIX RIVER AT VANCEBORO, ME (LAT 45 34 08N LONG 067											
MAY 1992 06..	0940	253	6.5	5.5	31	AUG 18...	1018	1300	20.0	19.0	31
JUN 16...	1220	199	19.0	21.0	28						
01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME (LAT 45 10 23N LONG 067 46 06W)											
MAY 1992 06..	0652	204	6.0	2.0	26	SEP 22..	1600	291	18.0	17.0	26
AUG 18...	1430	475	20.0	18.5	28						
DENNYS RIVER BASIN											
01021200 DENNYS RIVER AT DENNYSVILLE, ME (LAT 44 54 03N LONG 067											
MAY 1992 05...	1400	184	7.0	9.0	32	JUN 17..	1011	96	18.0	21.0	34
NARRAGUAGUS RIVER BASIN											
01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME (LAT 44 36 29N LONG 067 56 10W)											
JAN 1992 30...	1325	302	0.5	4.0	--	AUG 14..	1150	86	--	--	31
MAY 05...	1040	556	8.0	7.0	29	AUG 19...	1245	300	19.0	22.0	32
JUN 17..	1315	141	21.0	22.0	32	SEP 22...	1055	51	17.0	16.0	38
PENOBSCOT RIVER BASIN											
01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME (LAT 45 30 18N LONG 068 18 07W)											
MAR 1992 10..	1515	1090	0.0	7.0	38	SEP 17...	1045	156	21.0	24.0	--
MAY 12..	1250	3610	13.0	13.0	39						
01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME (LAT 45 10 31N LONG 069 18 55W)											
JAN 1992 07...	0915	1530	0.5	4.5	80	MAY 10...	1020	515	13.0	16.0	61
MAR 10...	1030	300	0.0	7.0	61						
01033000 SEBEC RIVER AT SEBEC, ME (LAT 45 16 12N LONG 069 06 44W)											
MAY 1992 13...	0825	221	13.0	16.0	24	JUL 14...	1345	570	20.0	17.5	24
01034000 PISCATAQUIS RIVER AT MEDFORD, ME (LAT 45 15 40N LONG 068 52 07W)											
MAY 1992 12...	1630	1920	15.0	17.0	31	JUL 14...	1100	2340	19.5	17.5	30
01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME (LAT 45 14 12N LONG 068 38 56W)											
MAY 1992 12...	0850	14100	11.5	11.0	41	JUL 30...	0900	6050	21.0	16.0	50

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
SHEEPSCOT RIVER BASIN											
01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME (LAT 44 13 23N LONG 069 35 38W)											
MAR 1992 18...	0900	486	1.0	0.5	36	JUL 21...	1115	122	21.0	23.0	58
KENNEBEC RIVER BASIN											
01042500 KENNEBEC RIVER AT THE FORKS, ME (LAT 45 20 25N LONG 069 57 48W)											
NOV 1991 19...	0800	3940	3.0	3.0	42						
01046500 KENNEBEC RIVER AT BINGHAM, ME (LAT 45 03 06N LONG 069 53 12W)											
NOV 1991 19...	0800	3940	3.0	3.0	42						
01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME (LAT 44 52 09N LONG 069 57 20W)											
JAN 1992 24...	0945	230	0.0	1.0	50	JUL 30...	1500	194	24.0	24.0	41
MAY 26...	1400	335	15.0	16.0	36						
01048000 SANDY RIVER NEAR MERCER, ME (LAT 44 42 26N LONG 069 56 21W)											
JAN 1992 24...	1430	593	0.0	3.0	69	JUL 30...	1115	148	22.0	24.0	63
MAY 18...	0800	602	14.0	11.0	48	SEP 10...	1140	180	19.0	24.0	55
01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME (LAT 44 43 00N LONG 069 24 56W)											
MAR 1992 17...	1230	2850	2850	0.5	66	JUL 22...	1300	250	24.0	22.0	74
MAY 14...	1330	386	386	16.5	71						
01049130 JOHNSON BROOK AT SOUTH ALBION,ME (LAT 44 29 53N LONG 069 29 12W)											
OCT 1991 25...	1205	2.9	12.0	15.0	110						
01049373 MILL STREAM AT WINTHROP, ME (LAT 44 18 24N LONG 069 58 18W)											
OCT 1991 23...	1300	55	13.0	14.0	60	MAY 13...	1445	31	11.0	27.0	61
MAR 1992 18...	1245	148	5.0	0.0	67	JUL 21...	1400	33	23.0	26.5	66
01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME (LAT 44 13 15N LONG 069 47 25W)											
JAN 1992 08...	0900	528	0.0	-5.0	75	MAY 15...	0900	237	18.5	18.5	72
MAR 19...	1245	355	2.5	1.0	68	JUL 23...	1245	114	23.5	20.5	78
01049550 TOGUS STREAM AT TOGUS, ME (LAT 44 15 57N LONG 069 41 55W)											
OCT 1991 23...	1025	53	9.0	10.5	43	MAY 13...	1130	27	15.5	24.5	53
MAR 1992 17...	1440	85	4.0	7.0	39	JUL 20...	1610	25	21.0	31.0	58

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
ANDROSCOGGIN RIVER BASIN											
01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH (LAT 44 52 40N LONG 071 03 25W)											
OCT 1991 24...	1000	267	5.0	9.0	28	JUL 06...	1815	362	15.5	17.0	33
FEB 1992 27...	1230	79	0.0	-4.0	39	SEP 09...	1515	74	20.0	24.0	39
MAY 04...	1525	1320	5.0	7.0	23						
01053500 ANDROSCOGGIN RIVER AT ERROL, NH (LAT 44 46 57N LONG 071 07 46W)											
MAY 1992 05...	0600	3110	5.0	--	23	JUL 07...	0930	1720	16.5	--	22
01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME (LAT 44 32 33N LONG 070 32 50W)											
JUL 1992 10...	1230	3610	19.0	--	--	SEP 09...	0915	2010	19.5	20.0	103
01055000 SWIFT RIVER NEAR ROXBURY, ME (LAT 44 38 32N LONG 070 35 17W)											
JAN 1992 27...	0930	125	0.0	10.0	--	MAY 04...	1114	468	5.0	12.0	19
FEB 11...	1400	49	0.0	-3.0	29	JUL 06...	1100	753	12.5	14.0	21
FEB 27...	1630	67	0.0	-1.0	29	SEP 09...	1305	41	19.5	22.0	69
01055500 NEZINSCOT RIVER AT TURNER CENTER, ME (LAT 44 16 10N LONG 070 13 49W)											
JAN 1992 30...	1430	182	0.0	3.0	68	JUN 25...	1345	161	20.0	23.0	67
MAR 09...	1330	322	1.0	15.0	68	AUG 17...	1215	51	19.0	22.0	69
01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME (LAT 44 18 13N LONG 070 32 24W)											
DEC 1991 31...	1145	132	0.0	--	42	MAY 14...	1045	101	16.0	15.0	46
JAN 1992 30...	1045	57	0.0	3.0	53	JUN 01...	1330	34	14.0	11.0	58
FEB 28...	1115	48	0.0	-1.0	58	AUG 17...	1500	31	16.5	22.0	57
01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME (LAT 44 04 20N LONG 070 12 31W)											
OCT 1991 10...	0945	11900	12.0	15.0	52	JUN 25...	1130	5480	20.0	21.0	109
MAY 1992 12...	0945	8360	13.0	19.0	63	AUG 19...	0900	3210	21.5	20.0	113
ROYAL RIVER BASIN											
01060000 ROYAL RIVER AT YARMOUTH, ME (LAT 43 47 57N LONG 070 10 45W)											
OCT 1991 10...	1515	214	12.0	15.0	72	JUN 23...	1400	145	20.0	25.0	107
MAR 1992 05...	1445	118	2.0	10.0	124	AUG 19...	1415	159	20.0	22.0	125
MAY 12...	1400	198	14.0	20.0	80						

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	SPECIFIC CON-DUCTANCE (US/CM)
SACO RIVER BASIN											
01064500 SACO RIVER NEAR CONWAY, NH (LAT 43 59 27N LONG 071 05 29W)											
FEB 1992 03...	1315	523	0.0	-1.0	48	JUN 24...	1315	409	16.0	15.0	45
MAY 13...	1615	1600	13.0	24.0	28	AUG 25...	1300	238	23.0	30.0	54
01065500 OSSIPEE RIVER AT CORNISH, ME (LAT 43 48 26N LONG 070 47 55W)											
OCT 1991 08...	1417	1660	14.0	14.0	37	MAY 13...	1030	38	16.0	23.0	40
JAN 1992 13...	1230	1010	0.0	3.0	40	AUG 25...	1615	239	26.0	32.0	43
PISCATAQUIS RIVER BASIN											
01072100 SALMON FALLS RIVER AT MILTON, NH (LAT 43 24 50N LONG 070 59 15W)											
OCT 1991 08...	1045	278	15.0	17.0	66	JUL 06...	0730	44	21.0	17.0	72
DEC 04...	0840	448	2.5	0.5	54	AUG 12...	1130	34	23.0	23.0	67
JAN 1992 28...	0830	176	2.0	-7.0	20	SEP 16...	1030	59	21.0	28.0	70
MAY 15...	1105	134	12.0	15.0	61						

AROOSTOOK COUNTY

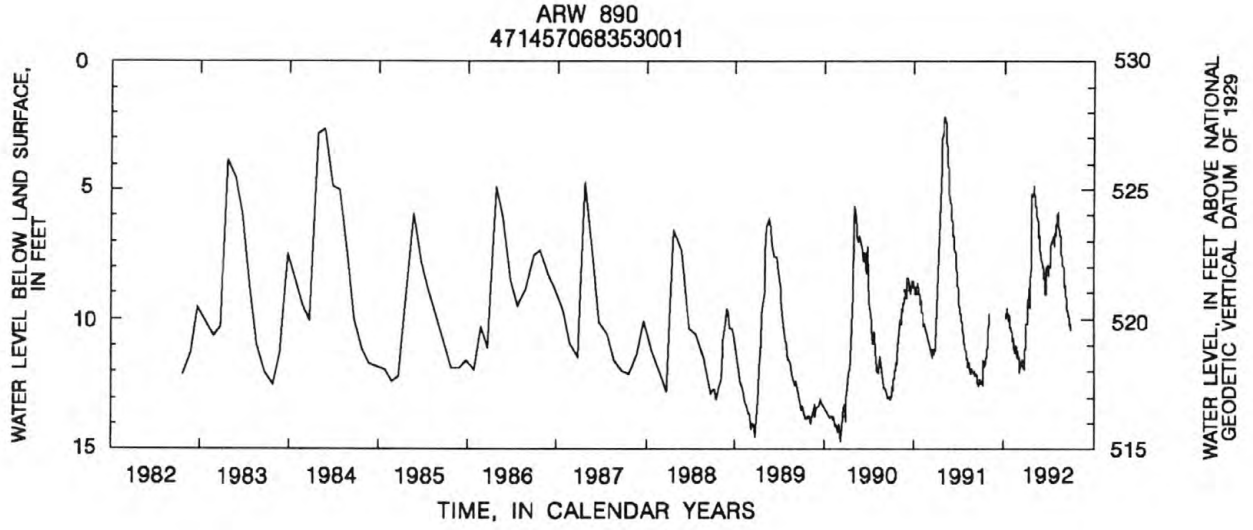
471457068353001. Local number, ARW 890.
LOCATION.--Lat 47°14'57", long 68°35'30", Hydrologic Unit 01010003, 0.25 mi southeast of the intersection of State Highways 11 and 161 and U.S. Highway 1, Fort Kent. Owner: U.S. Geological Survey.
AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation artesian 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.
REMARKS.--Record lost between Nov. 8 and Jan. 8 because of recorder malfunction.
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 02, 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.35	10.35	---	---	10.30	11.46	10.79	5.20	7.45	7.99	6.63	8.12
2	12.33	10.17	---	---	10.37	11.49	10.53	5.18	7.51	8.09	6.54	8.28
3	12.36	10.20	---	---	10.40	11.65	10.22	4.92	7.63	8.34	6.37	8.42
4	12.44	10.11	---	---	10.54	11.75	10.18	4.82	7.84	8.26	6.26	8.55
5	12.52	10.03	---	---	10.52	11.78	10.17	4.86	8.01	8.05	6.03	8.78
6	12.39	9.88	---	---	10.61	12.02	10.11	5.00	8.03	7.96	5.98	8.80
7	12.19	9.80	---	---	10.76	11.90	9.96	5.12	7.85	8.00	5.94	8.69
8	11.98	---	---	e9.90	10.84	11.68	9.68	5.31	7.81	7.96	6.02	8.75
9	11.71	---	---	9.96	10.77	11.74	9.34	5.49	7.89	7.74	5.95	8.93
10	11.60	---	---	9.82	10.83	11.77	9.15	5.66	8.07	7.59	5.86	9.08
11	11.63	---	---	9.89	10.78	11.73	9.15	5.60	8.14	7.43	5.88	9.19
12	11.69	---	---	9.93	10.85	11.63	8.83	5.61	8.19	7.22	6.08	9.38
13	11.73	---	---	9.75	10.89	11.73	8.81	5.71	8.38	7.03	6.23	9.46
14	11.78	---	---	9.68	11.13	11.72	8.91	5.83	8.43	7.03	6.43	9.38
15	11.80	---	---	9.55	11.31	11.74	9.15	5.97	8.52	6.95	6.60	9.50
16	11.72	---	---	9.72	11.06	11.71	9.38	6.07	8.70	7.06	6.68	9.63
17	11.61	---	---	9.83	11.03	11.55	9.51	6.05	8.84	7.02	6.72	9.71
18	11.58	---	---	9.84	11.18	11.59	9.57	6.03	8.87	6.88	6.77	9.75
19	11.57	---	---	9.79	11.02	11.59	9.20	6.24	8.96	6.87	6.77	9.81
20	11.55	---	---	9.85	11.04	11.74	8.53	6.40	9.07	6.81	6.81	9.89
21	11.52	---	---	9.99	11.27	11.81	8.02	6.47	9.06	6.87	7.03	9.84
22	11.41	---	---	10.08	11.35	11.86	7.18	6.60	9.01	6.91	7.26	9.85
23	11.39	---	---	10.02	11.40	11.82	6.21	6.84	8.80	6.89	7.36	9.98
24	11.35	---	---	9.85	11.44	11.84	5.48	6.81	8.37	7.01	7.46	10.16
25	11.24	---	---	10.21	11.35	11.94	5.23	6.80	8.02	7.20	7.49	10.19
26	11.19	---	---	10.28	11.22	11.89	5.18	6.86	7.93	7.07	7.65	10.25
27	11.04	---	---	10.26	11.31	11.58	5.15	7.02	8.01	6.90	7.72	10.21
28	10.90	---	---	10.32	11.50	11.37	5.23	7.09	8.04	6.75	7.80	10.17
29	10.83	---	---	10.37	11.52	11.17	5.28	7.28	8.02	6.64	7.80	10.31
30	10.69	---	---	10.38	---	11.04	5.25	7.53	7.97	6.66	7.93	10.42
31	10.53	---	---	10.29	---	10.95	---	7.51	---	6.78	8.02	---
LOW	12.52	10.35	---	10.38	11.52	12.02	10.79	7.53	9.07	8.34	8.02	10.42
HIGH	10.53	9.80	---	9.55	10.30	10.95	5.15	4.82	7.45	6.64	5.86	8.12

WTR YR 1992 HIGH 4.82 MAY 4 LOW 12.52 OCT 5

e Instantaneous water level



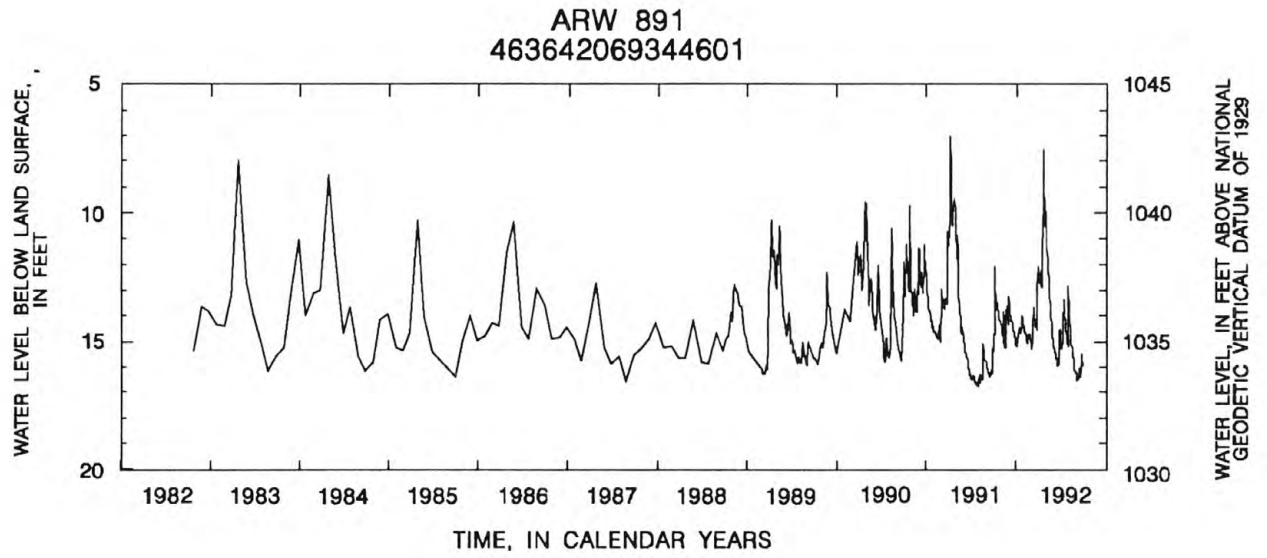
AROOSTOOK COUNTY--Continued

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 observation artesian 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 between Jan. 6 and 15 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. 07, 1987.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.04	14.33	14.17	15.12	14.30	14.93	12.17	10.45	15.11	15.02	14.28	16.26
2	14.77	14.33	14.32	15.14	14.35	15.01	12.26	10.57	15.14	15.16	12.84	16.33
3	14.77	14.39	13.55	15.17	14.35	15.07	12.32	10.33	15.21	15.27	13.15	16.39
4	14.75	14.45	13.23	15.20	14.45	15.15	12.38	9.96	15.33	15.31	13.55	16.44
5	14.71	14.52	13.52	15.12	14.47	15.21	12.45	10.51	15.41	15.30	13.67	16.50
6	14.63	14.58	13.67	---	14.54	15.30	12.58	10.99	15.43	15.11	13.79	16.49
7	12.57	14.67	13.76	---	14.57	15.23	12.68	11.41	15.30	15.00	14.06	16.49
8	12.08	14.81	13.90	---	14.64	14.99	12.72	11.68	15.29	15.09	14.27	16.50
9	12.72	14.93	13.87	---	14.71	14.68	12.61	11.83	15.38	14.94	14.43	16.55
10	13.08	15.01	13.92	---	14.78	14.58	12.40	11.77	15.52	13.88	14.57	16.55
11	13.23	15.06	14.02	---	14.66	14.42	12.28	11.91	15.63	13.90	14.72	16.18
12	13.27	13.82	14.15	---	14.79	14.11	12.27	12.26	15.67	14.04	14.89	16.07
13	13.17	14.18	14.21	---	14.88	13.87	12.45	12.48	15.69	13.93	15.02	16.22
14	13.31	15.15	14.13	---	14.90	13.67	12.57	12.49	15.66	13.47	15.13	16.30
15	13.49	15.25	14.13	e14.46	15.06	13.64	12.78	12.42	15.72	13.34	15.25	16.35
16	13.54	15.22	14.28	14.42	14.98	13.77	12.87	12.74	15.81	13.64	15.35	16.39
17	13.45	15.22	14.44	14.45	14.81	13.81	12.87	13.01	15.88	13.98	15.47	16.35
18	13.49	15.23	14.52	14.60	14.81	14.09	12.85	13.23	15.90	14.15	15.56	16.31
19	13.62	15.23	14.60	14.67	14.81	14.22	12.45	13.44	15.90	14.27	15.58	16.36
20	13.67	15.11	14.62	14.65	14.72	14.15	11.36	13.61	15.97	14.40	15.63	16.41
21	13.73	14.25	14.54	14.65	14.75	14.24	9.57	13.79	15.86	14.36	15.73	16.39
22	13.82	13.77	14.59	14.70	14.75	14.45	8.33	13.96	15.49	14.33	15.83	16.30
23	13.88	13.96	14.59	14.63	14.74	14.39	7.50	14.08	14.55	14.58	15.90	15.67
24	13.93	14.07	14.65	14.36	14.87	14.45	7.96	14.21	14.58	14.78	15.95	15.46
25	14.03	13.80	14.74	14.07	14.81	14.58	8.61	14.37	14.89	14.93	16.10	15.68
26	14.13	13.60	14.82	13.96	14.72	14.51	9.26	14.50	14.53	15.02	16.20	15.79
27	14.22	13.77	14.85	13.97	14.79	14.42	9.68	14.61	14.63	15.06	16.26	15.82
28	14.22	13.85	14.87	14.01	14.91	13.70	10.00	14.72	14.82	14.93	16.26	15.85
29	14.18	14.07	14.89	14.09	14.88	12.93	10.27	14.83	14.96	14.95	16.24	15.90
30	14.27	14.04	15.00	14.17	---	12.29	10.37	14.92	15.02	15.05	16.23	15.96
31	14.32	---	15.08	14.24	---	12.06	---	15.02	---	15.18	16.25	---
LOW	15.04	15.25	15.08	15.20	15.06	15.30	12.87	15.02	15.97	15.31	16.26	16.55
HIGH	12.08	13.60	13.23	13.96	14.30	12.06	7.50	9.96	14.53	13.34	12.84	15.46

WTR YR 1992 HIGH 7.50 APR 23 LOW 16.55 SEP 9,10
e Instantaneous water level



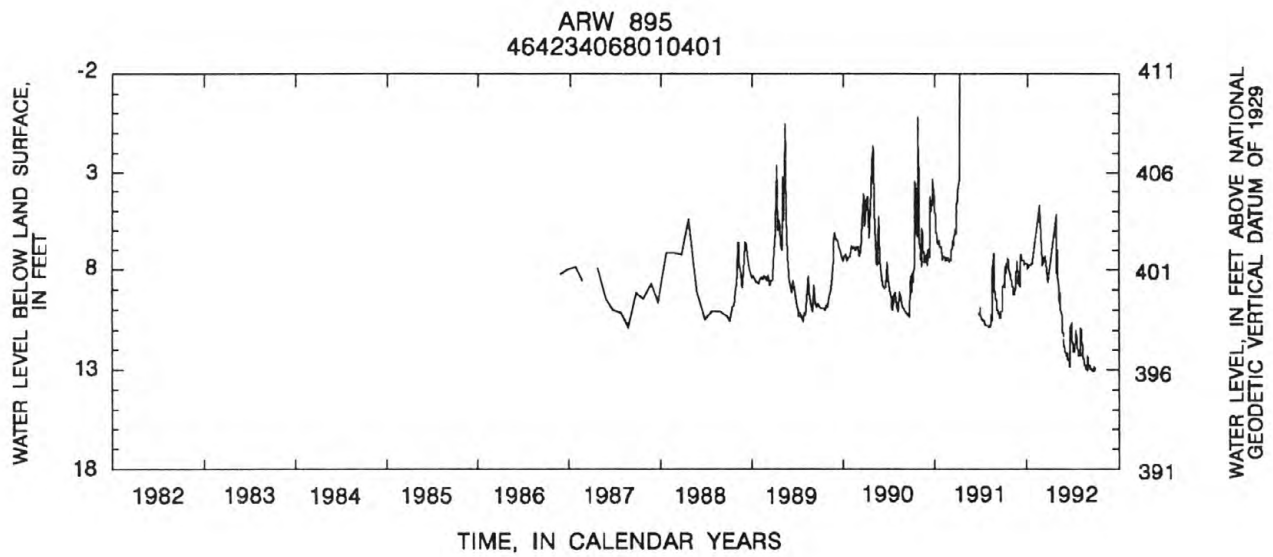
AROOSTOOK COUNTY--Continued

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.--A wash-bored 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.
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 between Jan 28 and Apr. 30 because of recorder malfunction.
PERIOD OF RECORD.--Nov. 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.92 ft above land-surface datum, Apr. 10, 1991; lowest measured, 13.06 ft below land-surface datum, Sept. 22, 23, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.85	8.47	8.34	7.67	---	---	---	8.17	11.94	11.50	12.23	12.42
2	8.76	8.53	8.43	7.66	---	---	---	8.20	12.01	11.64	11.52	12.51
3	8.75	8.54	8.45	7.65	---	e7.76	---	8.03	12.08	11.79	10.92	12.60
4	8.75	8.56	8.66	7.65	---	---	---	7.01	12.14	11.94	10.95	12.67
5	8.82	8.63	8.85	7.76	---	---	---	6.96	12.20	12.03	11.10	12.73
6	8.93	8.71	8.79	7.87	---	---	---	7.66	12.26	12.07	11.16	12.77
7	8.86	8.80	8.79	7.79	---	---	---	8.39	12.28	12.07	11.33	12.78
8	8.18	8.86	8.78	7.77	---	---	---	8.93	12.21	12.01	11.57	12.84
9	7.83	8.92	8.13	7.77	---	---	---	9.26	12.11	12.00	11.77	12.89
10	7.84	9.00	7.19	7.76	---	---	---	9.39	12.11	11.94	11.93	12.93
11	8.01	9.09	7.22	7.76	---	---	---	9.40	12.18	11.72	12.06	12.95
12	8.11	9.18	7.31	7.76	---	---	---	9.49	12.26	11.68	12.17	12.91
13	7.82	9.21	7.49	7.75	---	---	---	9.72	12.35	11.68	12.26	12.89
14	7.66	9.06	7.54	7.75	---	---	---	9.73	12.42	11.40	12.35	12.89
15	7.72	9.01	7.54	7.75	---	---	---	9.12	12.49	11.03	12.45	12.93
16	7.86	9.07	7.55	7.75	---	---	---	9.19	12.55	10.96	12.51	12.97
17	7.76	9.11	7.52	7.74	---	e7.31	---	9.64	12.61	11.11	12.61	13.00
18	7.58	9.03	7.52	7.72	---	---	---	9.98	12.67	11.34	12.70	13.02
19	7.48	8.90	7.52	7.71	---	---	---	10.23	12.73	11.45	12.72	13.02
20	7.47	8.90	7.51	7.69	---	---	---	10.46	12.79	11.49	12.74	13.02
21	7.47	8.81	7.51	7.68	---	---	---	10.65	12.83	11.62	12.77	13.04
22	7.48	8.30	7.50	7.66	---	---	---	10.84	12.86	11.76	12.81	13.06
23	7.48	8.07	7.60	7.66	---	---	---	11.02	12.69	11.89	12.85	13.06
24	7.48	8.05	7.72	7.65	---	---	---	11.17	11.60	12.02	12.89	13.01
25	7.48	7.85	7.72	7.65	e4.46	e8.56	---	11.30	10.80	12.14	12.92	12.89
26	7.95	7.49	7.70	7.64	---	---	---	11.43	10.65	12.23	12.97	12.83
27	8.26	7.51	7.70	7.62	---	---	---	11.54	10.58	12.28	12.99	12.84
28	8.28	7.71	7.69	e7.41	---	---	---	11.64	10.73	12.22	12.62	12.88
29	8.29	7.96	7.68	---	---	---	e5.17	11.72	11.02	12.16	12.39	12.92
30	8.22	8.16	7.69	---	---	---	---	11.79	11.30	12.18	12.31	12.97
31	8.31	---	7.68	---	---	---	---	11.86	---	12.26	12.35	---
LOW	8.93	9.21	8.85	7.87	4.46	8.56	5.17	11.86	12.86	12.28	12.99	13.06
HIGH	7.47	7.49	7.19	7.41	4.46	7.31	5.17	6.96	10.58	10.96	10.92	12.42

WTR YR 1992 HIGH 4.46 FEB 25 LOW 13.06 SEP 22,23
e Instantaneous water level



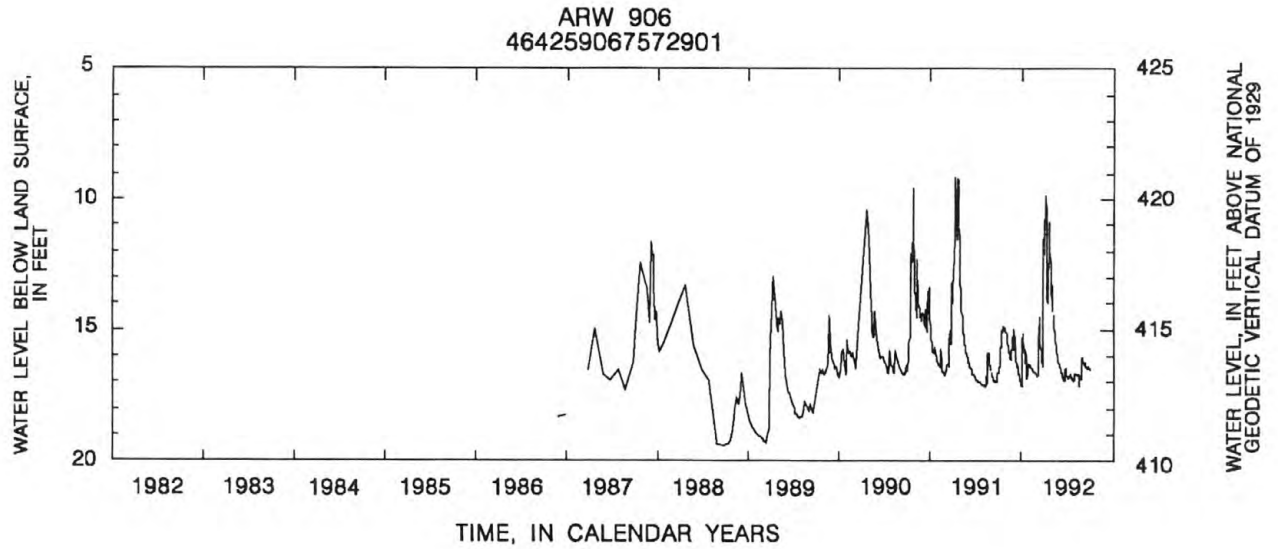
AROOSTOOK COUNTY--Continued

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.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Wash-bored 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. 01-03, 1988.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.55	15.10	15.71	17.08	16.32	16.67	11.72	13.56	16.35	16.74	16.69	16.10
2	16.50	15.13	15.76	17.11	16.38	16.68	11.03	13.89	16.39	16.77	16.61	16.14
3	16.45	15.17	14.98	17.14	16.38	16.69	10.81	13.45	16.42	16.81	16.67	16.18
4	16.42	15.26	14.96	17.17	16.37	16.69	10.87	13.32	16.45	16.83	16.71	16.20
5	16.42	15.36	15.56	16.99	16.38	16.72	10.60	13.74	16.49	16.84	16.62	16.22
6	16.38	15.45	15.26	15.33	16.39	16.73	9.98	14.06	16.53	16.86	16.63	16.26
7	15.82	15.51	15.61	15.30	16.40	16.74	9.90	14.27	16.54	16.78	16.67	16.30
8	15.65	15.58	15.91	15.65	16.42	16.69	9.85	14.45	16.57	16.81	16.70	16.32
9	15.67	15.68	16.07	15.14	16.44	16.51	10.08	14.63	16.61	16.82	16.72	16.34
10	15.67	15.76	16.18	15.55	16.46	16.46	10.33	14.63	16.66	16.80	16.72	16.37
11	15.67	15.82	16.25	15.84	16.48	16.42	11.10	14.83	16.74	16.81	16.73	16.26
12	15.42	15.85	16.31	15.57	16.49	15.35	12.14	14.99	16.74	16.80	16.75	16.27
13	15.03	15.88	16.35	15.90	16.50	14.48	12.64	15.10	16.76	16.70	16.78	16.33
14	15.04	15.93	16.36	16.29	16.51	14.55	13.28	15.07	16.79	16.62	16.68	16.35
15	15.06	15.97	16.38	16.10	16.52	14.85	13.78	15.18	16.81	16.66	16.67	16.37
16	15.06	15.99	16.43	15.74	16.53	15.18	13.97	15.30	16.84	16.70	16.69	16.38
17	14.94	16.01	16.41	15.70	16.54	15.36	13.90	15.38	16.87	16.75	16.70	16.38
18	14.93	16.04	16.36	15.94	16.55	15.60	13.72	15.45	16.90	16.79	17.13	16.38
19	14.88	16.09	16.45	16.29	16.56	15.76	13.15	15.58	16.91	16.79	16.77	16.40
20	14.88	16.12	16.53	16.51	16.57	15.90	12.69	15.67	16.91	16.80	16.75	16.42
21	14.90	15.89	16.62	16.68	16.58	16.05	12.28	15.75	16.92	16.81	16.77	16.44
22	14.93	15.76	16.70	16.81	16.59	16.15	11.84	15.82	16.88	16.84	16.79	16.45
23	14.93	15.76	16.75	16.88	16.59	16.24	10.88	15.89	16.52	16.88	16.81	16.39
24	14.93	15.73	16.79	16.69	16.60	16.30	11.37	15.97	16.47	16.90	16.84	16.42
25	14.97	15.28	16.84	16.29	16.62	16.36	11.75	16.05	16.51	16.91	16.85	16.44
26	15.00	15.32	16.90	16.34	16.63	16.42	12.10	16.11	16.49	16.93	16.87	16.46
27	15.05	15.42	16.92	16.39	16.64	16.23	12.45	16.17	16.55	16.89	16.82	16.46
28	14.92	15.50	16.95	16.35	16.65	13.06	12.78	16.20	16.62	16.87	16.07	16.46
29	14.94	15.57	16.98	16.34	16.66	11.52	13.05	16.24	16.70	16.88	16.05	16.47
30	15.02	15.65	17.01	16.36	---	11.94	13.29	16.28	16.72	16.91	16.06	16.50
31	15.07	---	17.04	16.37	---	12.14	---	16.31	---	16.93	16.08	---
LOW	16.55	16.12	17.04	17.17	16.66	16.74	13.97	16.31	16.92	16.93	17.13	16.50
HIGH	14.88	15.10	14.96	15.14	16.32	11.52	9.85	13.32	16.35	16.62	16.05	16.10

WTR YR 1992 HIGH 9.85 APR 8 LOW 17.17 JAN 4



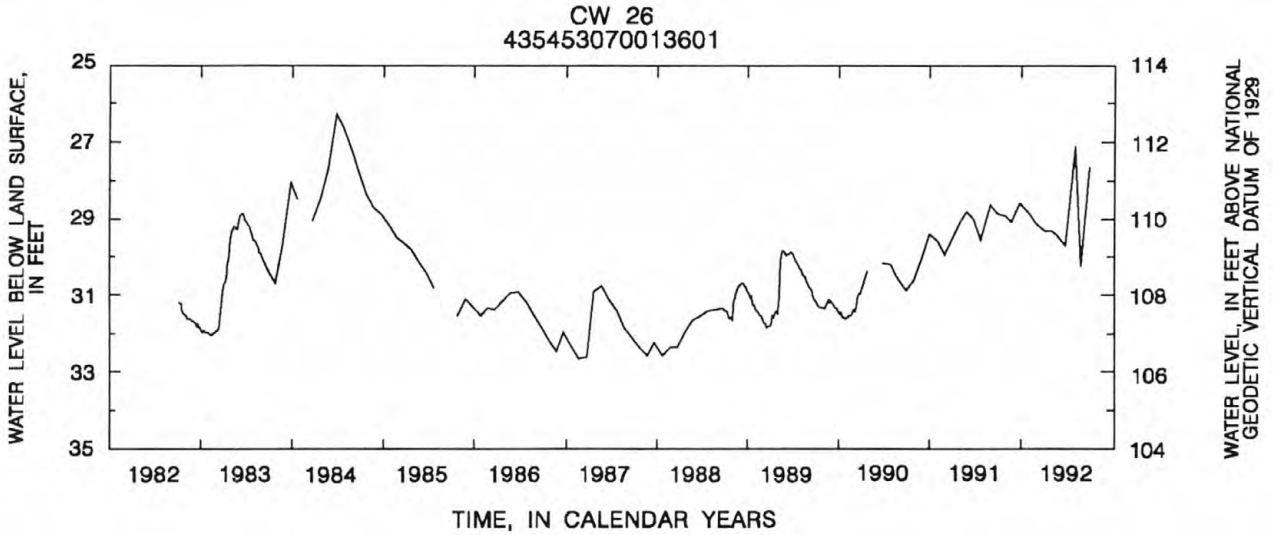
CUMBERLAND COUNTY

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 observation artesian 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 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	28.90	DEC 23	28.56	FEB 27	29.12	APR 29	29.31	JUN 24	29.67	AUG 24	30.22
NOV 22	29.05	JAN 30	28.82	MAR 31	29.29	MAY 21	29.43	JUL 29	27.10	SEP 24	27.66

WATER YEAR 1992 HIGHEST 27.10 JUL 29, 1992 LOWEST 30.22 AUG 24, 1992



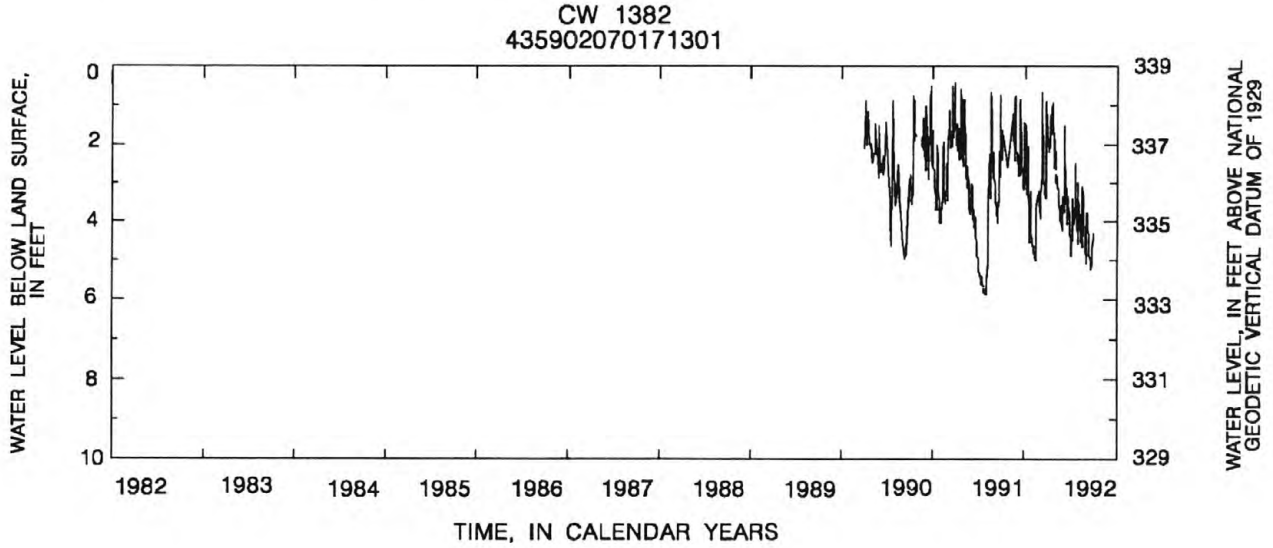
CUMBERLAND COUNTY--Continued

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.
WELL CHARACTERISTICS.--Wash-bored observation water-table 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.
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, 5.89 ft below land-surface datum, Aug. 3, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.70	5.43	2.25	2.54	4.54	3.49	1.69	2.58	3.98	4.33	2.95	4.97
2	2.57	5.06	2.41	2.79	4.56	3.78	1.62	2.52	3.32	4.41	3.20	5.06
3	2.78	5.06	2.35	2.97	4.60	3.89	1.75	2.16	3.51	4.65	3.45	5.08
4	3.06	5.07	2.17	2.99	4.62	3.93	2.03	2.61	3.73	4.86	3.59	4.45
5	3.27	5.05	2.66	1.93	4.69	3.80	2.16	2.75	3.77	4.54	3.59	3.77
6	2.69	4.97	2.72	1.45	4.80	3.69	2.20	2.86	1.66	4.36	3.84	3.77
7	2.12	4.89	2.71	1.78	4.80	3.30	2.10	2.96	1.49	4.39	4.02	3.88
8	2.83	4.84	2.79	2.25	4.78	2.85	2.02	3.00	2.00	4.50	4.18	3.98
9	3.15	4.75	2.65	2.61	4.85	2.32	2.06	2.81	2.35	4.11	4.17	4.09
10	3.35	4.60	2.60	2.70	4.92	1.84	2.04	2.91	2.71	3.39	3.81	4.21
11	3.54	3.18	2.63	2.98	4.82	.65	2.08	3.04	2.97	3.48	3.90	4.33
12	3.24	2.48	2.75	3.27	4.93	1.33	1.96	3.12	3.16	3.66	4.19	4.45
13	3.51	2.76	1.59	3.29	4.88	1.97	1.65	3.15	3.36	3.70	4.38	4.57
14	3.86	2.92	.84	2.55	4.93	2.29	1.22	3.27	3.52	3.83	4.48	4.68
15	4.09	2.91	1.02	2.01	4.99	2.53	1.40	3.39	3.10	3.75	4.56	4.79
16	2.98	2.89	1.75	2.85	4.48	2.72	1.71	3.46	3.41	3.89	4.64	4.88
17	3.33	2.98	2.31	3.33	3.97	2.74	1.63	3.49	3.65	4.06	4.65	4.97
18	2.89	2.93	2.52	3.70	3.91	3.00	1.21	3.56	3.81	3.60	3.37	5.06
19	3.57	2.85	2.67	3.99	3.57	3.00	1.00	3.68	3.93	3.03	3.06	5.14
20	4.08	2.17	2.69	4.03	3.29	3.10	1.30	3.74	4.06	2.47	3.34	5.18
21	4.39	2.43	2.58	4.16	3.32	3.21	1.56	3.80	3.44	2.83	3.61	5.21
22	4.54	2.26	2.68	4.54	3.40	3.21	1.66	3.87	3.33	3.13	3.85	5.20
23	4.81	.81	2.63	4.29	3.44	3.26	1.29	3.95	3.46	3.32	4.03	5.09
24	4.95	.77	2.78	3.17	3.44	3.39	.90	4.00	3.65	3.55	4.18	4.90
25	5.09	1.08	2.95	3.48	3.38	3.39	1.10	3.55	3.59	3.73	4.33	4.76
26	5.21	1.69	3.05	3.77	3.19	3.00	1.52	3.64	3.80	3.88	4.43	4.79
27	5.32	2.02	3.14	4.06	3.18	1.00	1.85	3.76	3.97	4.00	4.54	4.70
28	5.42	2.04	3.14	4.26	3.20	.88	2.10	3.92	4.10	4.13	4.64	4.45
29	5.62	2.20	2.92	4.46	3.33	.95	2.26	4.03	4.21	4.29	4.70	4.30
30	5.74	2.22	1.43	4.48	---	1.60	2.41	4.15	4.28	4.47	4.76	4.34
31	5.65	---	2.05	4.47	---	1.64	---	4.23	---	4.55	4.86	---
LOW	5.74	5.43	3.14	4.54	4.99	3.93	2.41	4.23	4.28	4.86	4.86	5.21
HIGH	2.12	.77	.84	1.45	3.18	.65	.90	2.16	1.49	2.47	2.95	3.77

WTR YR 1992 HIGH .65 MAR 11 LOW 5.74 OCT 30



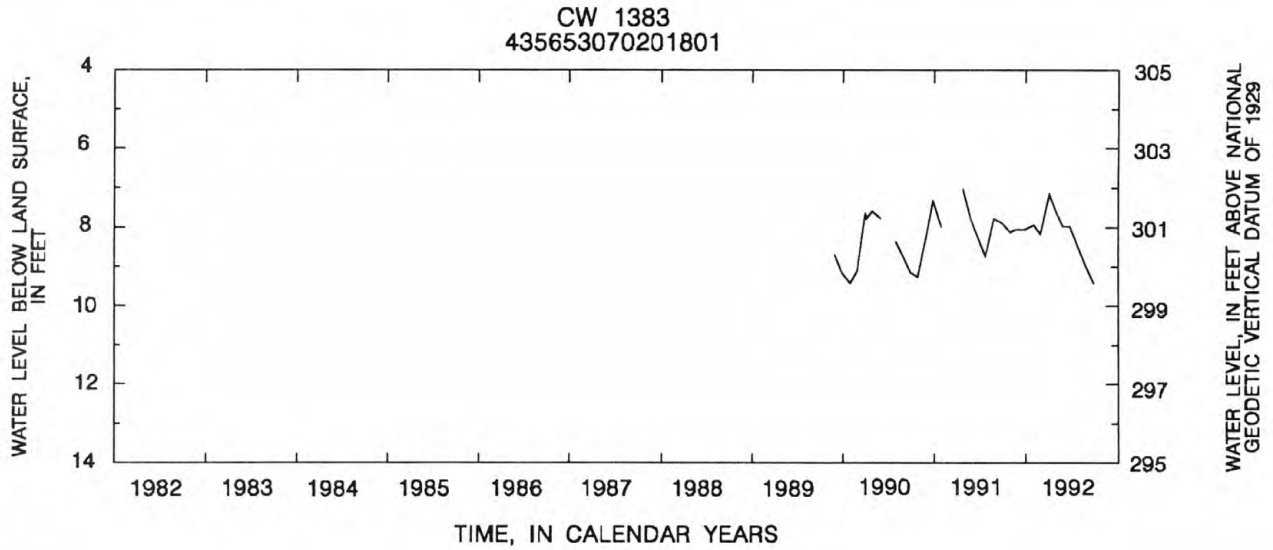
CUMBERLAND COUNTY--Continued

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.
WELL CHARACTERISTICS.--Wash-bored observation water-table well, diameter 2 in., screen slot size 0.010 in.
INSTRUMENTATION.--Monthly measurement with chalked 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, 9.90 ft below land-surface datum, Dec. 14-16, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	8.10	DEC 23	8.01	FEB 27	8.15	APR 28	7.57	JUN 25	7.97	AUG 25	8.97
NOV 22	8.03	JAN 29	7.92	MAR 30	7.14	MAY 26	7.96	JUL 28	8.50	SEP 23	9.43

WATER YEAR 1992 HIGHEST 7.14 MAR 30, 1992 LOWEST 9.43 SEP 23, 1992



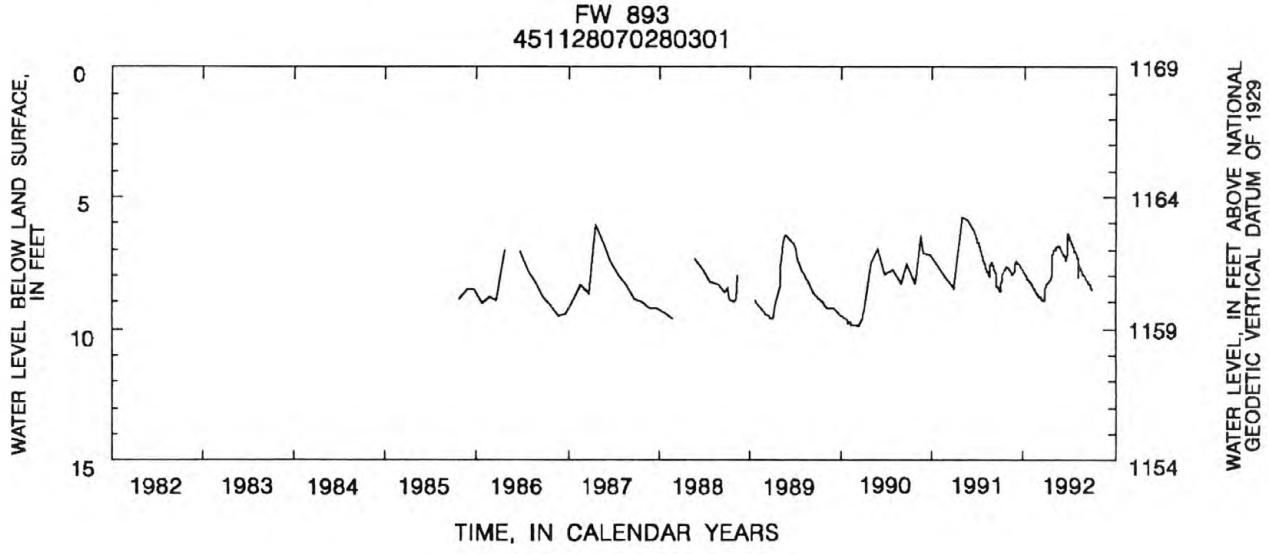
FRANKLIN COUNTY

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.
WELL CHARACTERISTICS.--Wash-bored 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.59	7.70	7.49	7.84	8.31	8.73	8.34	7.02	7.04	6.48	7.25	8.07
2	8.59	7.71	7.47	7.86	8.33	8.75	8.34	7.00	7.06	6.53	7.28	8.09
3	8.42	7.73	7.45	7.86	8.35	8.76	8.33	6.98	7.09	6.58	7.30	8.11
4	8.24	7.75	7.43	7.87	8.36	8.79	8.32	6.98	7.12	6.59	7.31	8.12
5	8.26	7.77	7.47	7.87	8.37	8.80	8.32	6.99	7.13	6.61	7.34	8.13
6	8.26	7.78	7.47	7.89	8.38	8.81	8.32	7.01	7.15	6.63	8.04	8.15
7	8.16	7.78	7.47	7.92	8.39	8.81	8.31	7.01	7.17	6.66	7.53	8.17
8	8.05	7.81	7.50	7.94	8.43	8.83	8.30	7.01	7.17	6.69	7.57	8.17
9	7.98	7.83	7.49	7.95	8.44	8.83	8.28	7.01	7.19	6.70	7.58	8.18
10	7.93	7.83	7.53	7.95	8.46	8.84	8.25	6.96	7.21	6.74	7.60	8.19
11	7.89	7.83	7.54	7.98	8.46	8.84	8.23	6.93	7.24	6.76	7.61	8.22
12	7.87	7.85	7.57	8.00	8.50	8.85	8.20	6.91	7.26	6.78	7.64	8.25
13	7.87	7.87	7.55	8.01	8.50	8.85	8.19	6.89	7.26	6.79	7.67	8.27
14	7.84	7.88	7.56	8.01	8.52	8.85	8.19	6.88	7.28	6.83	7.70	8.29
15	7.76	7.89	7.57	8.03	8.53	8.87	8.18	6.88	7.31	6.85	7.72	8.30
16	7.75	7.90	7.60	8.07	8.54	8.88	8.16	6.88	7.33	6.89	7.74	8.31
17	7.75	7.92	7.60	8.09	8.56	8.88	8.15	6.85	7.35	6.91	7.76	8.32
18	7.73	7.94	7.62	8.10	8.59	8.90	8.14	6.84	7.38	6.93	7.78	8.33
19	7.72	7.94	7.66	8.11	8.59	8.90	8.13	6.85	7.39	6.95	7.80	8.35
20	7.70	7.94	7.66	8.13	8.61	8.90	8.10	6.86	7.41	6.97	7.82	8.35
21	7.69	7.94	7.64	8.15	8.62	8.92	7.99	6.85	7.21	6.99	7.84	8.37
22	7.68	7.94	7.66	8.16	8.63	8.92	7.77	6.85	7.00	7.02	7.87	8.37
23	7.68	7.88	7.66	8.17	8.64	8.92	7.56	6.86	6.67	7.06	7.89	8.40
24	7.66	7.82	7.70	8.17	8.66	8.93	7.42	6.88	6.50	7.07	7.91	8.42
25	7.65	7.74	7.72	8.19	8.68	8.94	7.29	6.90	6.41	7.08	7.93	8.44
26	7.65	7.69	7.73	8.21	8.69	8.94	7.21	6.93	6.39	7.10	7.95	8.46
27	7.63	7.63	7.76	8.23	8.71	8.88	7.16	6.95	6.37	7.13	7.97	8.47
28	7.66	7.58	7.77	8.25	8.72	8.72	7.12	6.97	6.40	7.16	7.97	8.50
29	7.67	7.54	7.78	8.25	8.73	8.49	7.08	6.99	6.43	7.18	7.99	8.49
30	7.68	7.51	7.80	8.27	---	8.41	7.05	7.01	6.45	7.22	8.01	8.50
31	7.68	---	7.82	8.29	---	8.36	---	7.03	---	7.24	8.04	---
LOW	8.59	7.94	7.82	8.29	8.73	8.94	8.34	7.03	7.41	7.24	8.04	8.50
HIGH	7.63	7.51	7.43	7.84	8.31	8.36	7.05	6.84	6.37	6.48	7.25	8.07

WTR YR 1992 HIGH 6.37 JUN 27 LOW 8.94 MAR 25,26



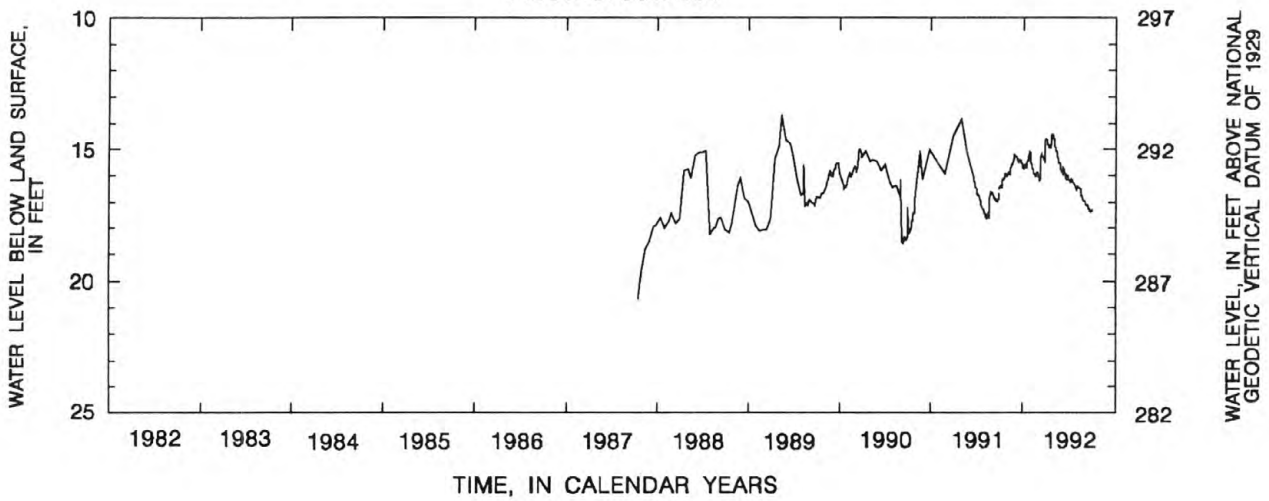
FRANKLIN COUNTY--Continued

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 observation well, diameter 2 in., Sept. 1987 measured depth 37 feet, screened 25 to 35 feet, screen slot size 0.006 in.
INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.
DATUM.--Elevation of land-surface datum is 307 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.13 ft above land-surface datum.
PERIOD OF RECORD.--Oct. 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level 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 1991 TO SEPTEMBER 199
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.45	16.00	15.23	15.69	15.36	16.02	14.68	14.59	15.86	16.17	16.51	17.01
2	16.42	15.92	15.26	15.69	15.44	16.07	14.67	14.61	15.83	16.21	16.45	17.08
3	16.41	15.89	15.29	15.75	15.52	16.12	14.65	14.62	15.86	16.26	16.44	17.14
4	16.40	15.87	15.21	15.78	15.57	16.14	14.67	14.66	15.91	16.28	16.45	17.13
5	16.45	15.88	15.29	15.75	15.60	16.16	14.71	14.76	15.96	16.28	16.40	17.08
6	16.43	15.89	15.35	15.64	15.69	16.20	14.79	14.84	15.96	16.23	16.39	17.10
7	16.26	15.89	15.36	15.60	15.73	16.21	14.82	14.90	15.80	16.15	16.42	17.11
8	16.16	15.92	15.37	15.66	15.73	16.12	14.80	14.96	15.74	16.16	16.44	17.11
9	16.17	15.97	15.37	15.71	15.76	16.08	14.83	14.98	15.70	16.15	16.45	17.12
10	16.16	15.98	15.41	15.67	15.87	15.99	14.83	15.00	15.76	16.12	16.45	17.15
11	16.13	15.90	15.47	15.69	15.89	15.79	14.86	15.04	15.80	16.12	16.43	17.15
12	16.09	15.73	15.52	15.70	15.92	15.31	14.84	15.07	15.82	16.15	16.47	17.17
13	16.08	15.64	15.52	15.69	15.93	15.12	14.88	15.09	15.85	16.16	16.48	17.19
14	16.10	15.62	15.47	15.66	15.92	15.11	14.92	15.11	15.88	16.19	16.50	17.22
15	16.14	15.64	15.39	15.55	16.00	15.15	14.93	15.19	15.93	16.19	16.51	17.23
16	16.12	15.59	15.40	15.52	15.95	15.19	14.93	15.26	16.02	16.22	16.75	17.25
17	16.05	15.58	15.43	15.49	15.98	15.20	14.93	15.30	16.05	16.26	16.80	17.25
18	15.96	15.57	15.41	15.47	16.05	15.27	14.92	15.31	16.09	16.27	16.79	17.26
19	15.91	15.55	15.46	15.47	16.01	15.32	14.92	15.39	16.09	16.28	16.76	17.27
20	15.91	15.56	15.46	15.45	15.91	15.34	14.89	15.44	16.11	16.27	16.78	17.35
21	15.93	15.55	15.39	15.40	15.89	15.37	14.80	15.48	16.13	16.27	16.80	17.39
22	15.93	15.55	15.40	15.38	15.89	15.40	14.71	15.50	16.09	16.31	16.84	17.39
23	15.96	15.50	15.40	15.35	15.89	15.41	14.61	15.51	15.97	16.35	16.88	17.33
24	15.99	15.36	15.43	15.12	15.93	15.43	14.55	15.55	15.98	16.40	16.90	17.35
25	15.99	15.19	15.50	15.05	15.97	15.51	14.45	15.59	15.98	16.42	16.91	17.37
26	15.99	15.16	15.54	15.07	15.92	15.53	14.41	15.65	16.00	16.43	16.94	17.36
27	15.99	15.21	15.54	15.09	15.89	15.42	14.43	15.67	16.03	16.44	16.95	17.34
28	16.01	15.21	15.54	15.11	15.92	15.06	14.49	15.71	16.06	16.46	16.97	17.32
29	16.05	15.21	15.56	15.12	15.94	14.71	14.54	15.76	16.12	16.49	16.95	17.33
30	16.06	15.23	15.62	15.20	---	14.62	14.56	15.80	16.15	16.53	16.97	17.35
31	16.05	---	15.69	15.29	---	14.65	---	15.84	---	16.57	16.97	---
LOW	16.45	16.00	15.69	15.78	16.05	16.21	14.93	15.84	16.15	16.57	16.97	17.39
HIGH	15.91	15.16	15.21	15.05	15.36	14.62	14.41	14.59	15.70	16.12	16.39	17.01

WTR YR 1992 HIGH 14.41 APR 26 LOW 17.39 SEP 21,22



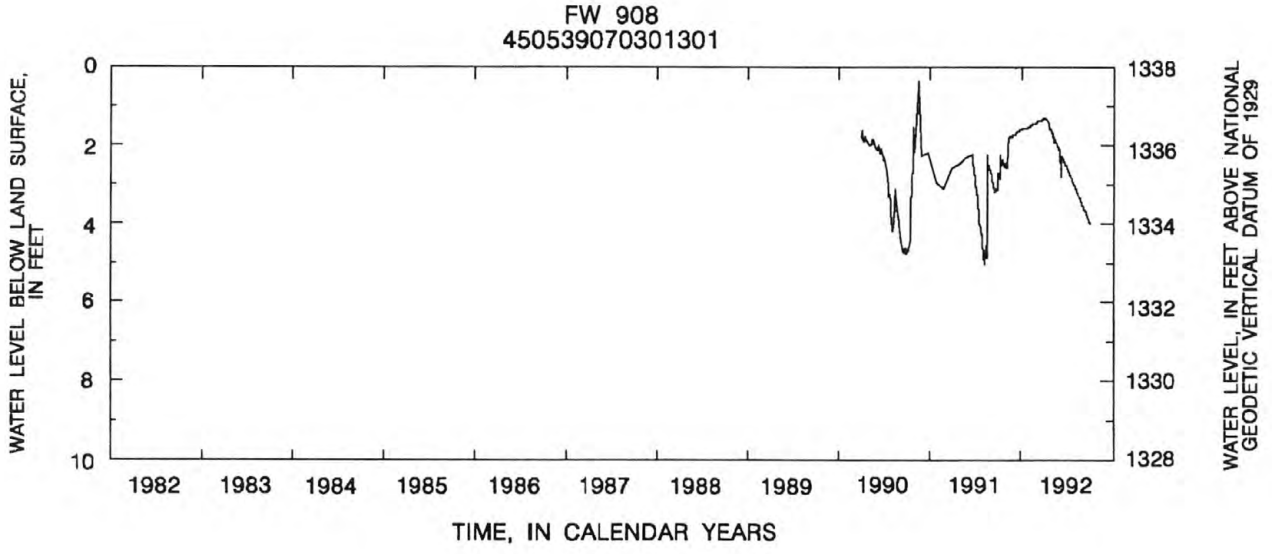
FRANKLIN COUNTY--Continued

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.
WELL CHARACTERISTICS.--Wash-bored observation water-table 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.
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, 5.02 ft below land-surface datum, Aug. 9, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.72	2.46	1.72	1.59	1.52	1.42	1.29	1.67	2.13	2.58	3.05	3.56
2	2.73	2.43	1.72	1.60	1.52	1.42	1.29	1.68	2.21	2.60	3.07	3.57
3	2.77	2.48	1.71	1.60	1.53	1.41	1.29	1.70	2.39	2.62	3.10	3.59
4	2.81	2.53	1.71	1.59	1.53	1.41	1.30	1.71	2.47	2.62	3.12	3.62
5	2.83	2.54	1.71	1.59	1.52	1.40	1.30	1.73	2.67	2.64	3.14	3.64
6	2.52	2.56	1.70	1.58	1.52	1.40	1.29	1.76	2.79	2.66	3.15	3.65
7	2.21	1.85	1.70	1.58	1.51	1.39	1.28	1.79	2.59	2.68	3.17	3.67
8	2.42	1.85	1.69	1.57	1.50	1.39	1.28	1.79	2.54	2.69	3.19	3.68
9	2.48	1.82	1.69	1.57	1.50	1.39	1.32	1.80	2.34	2.70	3.22	3.68
10	2.50	1.81	1.68	1.57	1.50	1.38	1.33	1.83	2.27	2.71	3.24	3.68
11	2.50	1.82	1.68	1.56	1.49	1.38	1.35	1.87	2.28	2.72	3.26	3.70
12	2.39	1.81	1.67	1.56	1.48	1.37	1.36	1.92	2.30	2.75	3.26	3.71
13	2.42	1.81	1.67	1.57	1.47	1.37	1.38	1.89	2.31	2.75	3.26	3.73
14	2.47	1.79	1.66	1.58	1.47	1.37	1.39	1.84	2.33	2.76	3.27	3.74
15	2.49	1.77	1.66	1.58	1.46	1.38	1.40	1.90	2.34	2.77	3.28	3.75
16	2.35	1.78	1.66	1.57	1.46	1.37	1.41	1.90	2.36	2.79	3.30	3.77
17	2.36	1.78	1.66	1.57	1.46	1.37	1.42	1.90	2.37	2.80	3.31	3.78
18	2.35	1.77	1.66	1.57	1.45	1.36	1.44	1.93	2.39	2.82	3.33	3.80
19	2.37	1.77	1.66	1.57	1.45	1.36	1.47	1.94	2.40	2.85	3.33	3.81
20	2.39	1.76	1.66	1.57	1.45	1.35	1.50	1.96	2.42	2.88	3.34	3.83
21	2.41	1.77	1.65	1.56	1.44	1.34	1.51	1.98	2.43	2.90	3.36	3.85
22	2.44	1.79	1.65	1.56	1.45	1.34	1.53	2.00	2.43	2.91	3.37	3.86
23	2.46	1.79	1.64	1.55	1.46	1.33	1.54	2.01	2.46	2.93	3.39	3.88
24	2.48	1.78	1.62	1.55	1.45	1.33	1.56	2.03	2.48	2.95	3.41	3.90
25	2.50	1.78	1.61	1.54	1.45	1.32	1.58	2.04	2.49	2.96	3.43	3.91
26	2.51	1.77	1.61	1.54	1.44	1.32	1.59	2.05	2.50	2.98	3.45	3.93
27	2.53	1.74	1.60	1.53	1.44	1.31	1.61	2.07	2.52	2.98	3.47	3.94
28	2.55	1.72	1.60	1.53	1.43	1.31	1.62	2.09	2.53	2.99	3.49	3.95
29	2.56	1.72	1.59	1.52	1.43	1.31	1.64	2.10	2.54	3.01	3.53	3.96
30	2.58	1.71	1.59	1.52	---	1.30	1.65	2.11	2.55	3.02	3.54	3.98
31	2.56	---	1.59	1.52	---	1.30	---	2.12	---	3.04	3.56	---
LOW	2.83	2.56	1.72	1.60	1.53	1.42	1.65	2.12	2.79	3.04	3.56	3.98
HIGH	2.21	1.71	1.59	1.52	1.43	1.30	1.28	1.67	2.13	2.58	3.05	3.56

WTR YR 1992 HIGH 1.28 APR 7,8 LOW 3.98 SEP 30



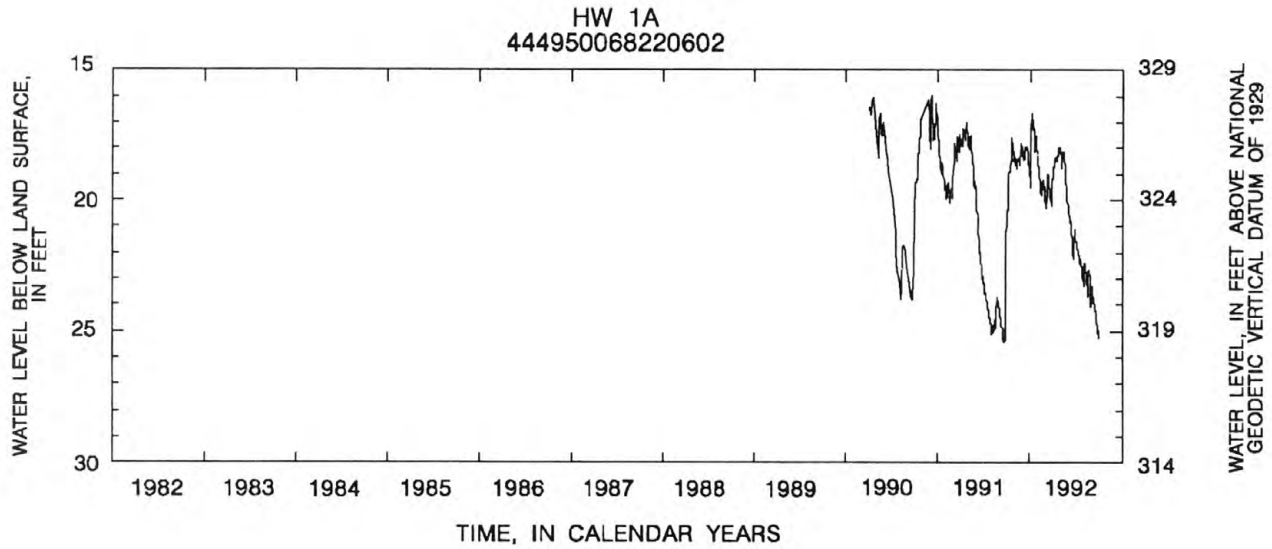
HANCOCK COUNTY

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 observation water-table well, diameter 2 in., depth 47 ft, screened depth 37 ft to 47 ft, screen slot size 0.006 in.
INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.
DATUM.--Elevation of land-surface datum is 344 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.49 ft above land-surface datum.
PERIOD OF RECORD.--Nov. 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.82 ft below land-surface datum, Apr. 17, 1990; lowest measured, 25.41 ft below land-surface datum, Sept. 19, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.73	18.48	18.04	19.04	18.39	20.01	19.09	18.02	20.30	21.58	23.01	23.40
2	20.55	18.42	18.32	19.12	18.56	20.17	18.97	18.29	20.35	21.58	22.58	23.48
3	20.41	18.37	18.07	19.53	18.68	20.16	18.75	18.78	20.54	21.78	22.44	23.57
4	20.42	18.70	18.05	19.22	18.73	20.23	18.74	18.13	20.65	21.85	22.45	23.72
5	20.39	18.62	18.32	18.48	18.83	20.28	18.62	18.22	20.80	21.87	22.45	23.69
6	20.25	18.64	18.32	17.10	19.13	20.35	18.49	18.24	20.85	21.87	22.54	23.69
7	19.81	18.61	18.35	16.77	19.07	20.16	18.41	18.30	20.65	21.89	22.68	23.77
8	19.50	18.80	18.46	16.67	19.12	19.79	18.47	18.40	20.61	22.00	22.78	23.82
9	19.18	18.79	18.41	16.68	19.28	19.57	18.40	18.22	20.70	21.94	22.78	23.87
10	18.96	18.75	18.42	16.72	19.49	19.40	18.40	18.17	20.85	21.92	22.86	23.91
11	18.89	18.65	18.39	16.98	19.41	19.17	18.46	18.30	20.91	21.98	22.98	23.97
12	18.73	18.48	18.45	17.21	19.63	19.04	18.39	18.17	21.03	22.07	23.02	24.05
13	18.62	18.40	18.32	17.31	19.61	19.09	18.50	18.18	21.15	22.15	23.19	24.11
14	18.74	18.42	18.11	17.22	19.74	19.13	18.40	18.27	21.26	22.15	23.16	24.15
15	18.71	18.43	17.99	16.88	19.84	19.19	18.44	18.46	21.47	22.22	23.30	24.22
16	18.48	18.45	18.04	16.97	19.73	19.33	18.43	18.49	21.64	22.29	23.40	24.23
17	17.91	18.45	18.05	17.16	19.61	19.35	18.37	18.43	21.72	22.42	23.56	24.30
18	17.57	18.49	17.95	17.36	19.55	19.53	18.48	18.53	21.83	22.40	23.68	24.38
19	17.60	18.51	18.09	17.56	19.34	19.59	18.39	18.67	21.90	22.27	22.74	24.57
20	17.66	18.49	18.09	17.71	19.27	19.68	18.32	18.94	22.07	22.27	22.68	24.61
21	17.76	18.62	17.95	17.88	19.30	19.79	18.29	19.28	22.22	22.31	22.64	24.69
22	17.81	18.68	18.11	18.15	19.38	19.81	18.28	19.31	22.25	22.41	22.70	24.78
23	17.96	18.42	18.16	18.12	19.46	19.97	18.20	19.37	21.93	22.49	22.75	25.02
24	18.02	18.02	18.32	17.52	19.57	20.13	18.10	19.50	21.79	22.61	22.80	24.96
25	18.07	17.95	18.42	17.71	19.62	20.22	18.00	19.59	21.60	22.73	22.81	25.07
26	18.16	18.02	18.55	17.82	19.46	20.18	18.15	19.64	21.20	22.74	22.90	25.05
27	18.16	18.02	18.75	17.97	19.59	19.89	17.99	19.76	21.12	22.79	22.99	25.08
28	18.31	17.82	18.66	18.08	19.77	19.45	18.04	19.90	21.13	22.94	23.08	25.13
29	18.39	17.93	18.67	18.10	19.84	19.21	18.04	20.04	21.26	23.13	23.43	24.94
30	18.37	17.94	18.89	18.20	---	19.19	17.98	20.16	21.35	23.21	24.12	25.28
31	18.44	---	19.01	18.34	---	19.15	---	20.16	---	23.32	23.30	---
LOW	20.73	18.80	19.01	19.53	19.84	20.35	19.09	20.16	22.25	23.32	24.12	25.28
HIGH	17.57	17.82	17.95	16.67	18.39	19.04	17.98	18.02	20.30	21.58	22.44	23.40

WTR YR 1992 HIGH 16.67 JAN 8 LOW 25.28 SEP 30



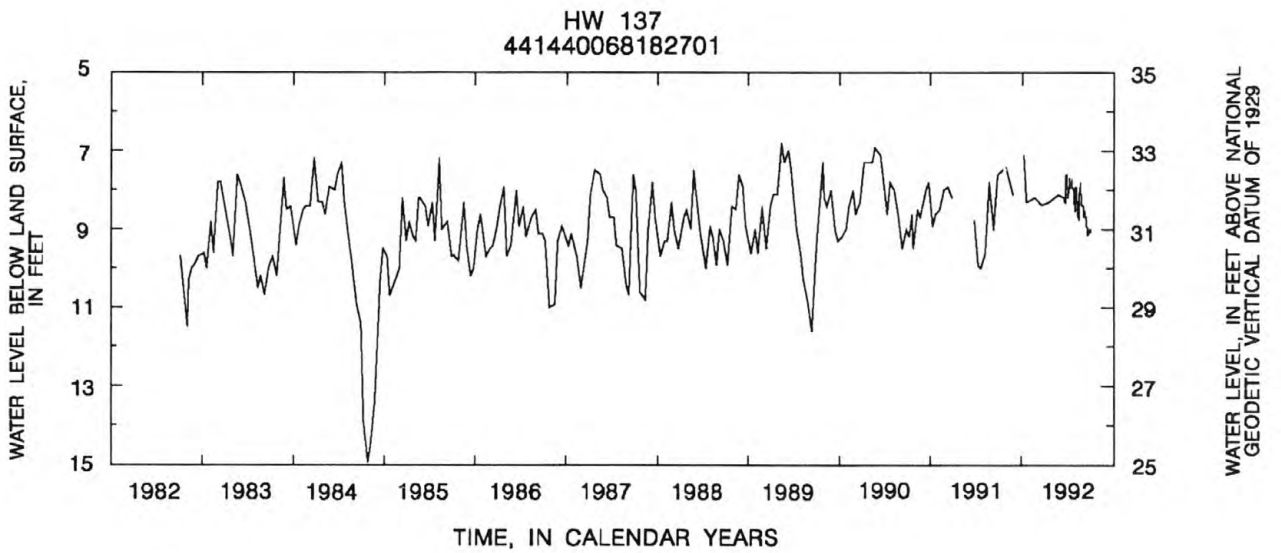
HANCOCK COUNTY--Continued

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 observation artesian well, diameter 6 in., depth 175 ft, open hole.
INSTRUMENTATION.--Measurement with plopper by local observer once a month. Electronic water-level recorder installed June 19--daily-mean values stored based on 24 hourly measurements after June 19.
DATUM.--Elevation of land-surface datum is 40 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.3 ft above land-surface datum.
PERIOD OF RECORD.--June 1981 to current year. Water levels prior to Oct. 1981 have not been published but are available in the files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.8 ft below land-surface datum, May 11, 1989; lowest measured, 14.9 ft below land-surface datum, Oct. 25, 1984.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	7.88	8.37	8.52
2	---	---	---	---	---	---	---	---	---	7.98	8.06	8.62
3	---	---	---	---	---	---	---	---	---	8.10	7.93	8.69
4	---	---	---	---	---	---	---	---	---	8.17	7.93	8.66
5	---	---	---	---	---	---	---	---	---	8.18	7.98	8.58
6	---	---	---	---	---	---	---	---	---	8.09	8.08	8.54
7	---	---	---	---	---	---	---	---	---	7.86	8.16	8.56
8	---	---	---	---	---	---	---	---	---	7.79	8.25	8.59
9	---	---	---	e7.11	---	---	---	---	---	7.76	8.32	8.62
10	---	---	---	---	---	---	---	---	---	7.69	8.35	8.65
11	---	---	---	---	---	---	---	---	---	7.70	8.41	8.68
12	---	---	---	---	---	---	---	---	---	7.78	8.50	8.74
13	---	---	---	---	---	---	---	---	---	7.81	8.60	8.78
14	---	---	---	---	---	---	---	---	---	7.87	8.65	8.84
15	---	---	---	---	---	---	---	---	---	7.84	8.72	8.88
16	---	---	---	---	---	---	---	---	---	7.84	8.74	8.92
17	---	---	---	---	---	---	---	---	---	7.90	8.73	8.96
18	---	---	---	---	---	---	---	---	---	7.88	8.53	9.00
19	---	---	---	---	---	---	---	---	8.20	7.77	8.06	9.05
20	---	---	---	---	---	---	e8.30	---	8.26	7.73	7.83	9.12
21	---	---	---	e8.28	e8.20	---	---	---	8.30	7.77	7.79	9.15
22	---	---	---	---	---	---	---	---	8.24	7.85	7.82	9.13
23	---	---	---	---	---	e8.38	---	---	7.93	7.93	7.92	9.06
24	---	---	---	---	---	---	---	---	7.78	8.00	7.97	9.04
25	---	---	---	---	---	---	---	---	7.66	8.10	8.05	9.03
26	---	e8.10	---	---	---	---	---	---	7.59	8.15	8.14	9.03
27	---	---	---	---	---	---	---	e8.12	7.59	8.23	8.22	9.00
28	e7.40	---	---	---	---	---	---	---	7.66	8.30	8.28	9.00
29	---	---	---	---	---	---	---	---	7.75	8.38	8.30	9.00
30	---	---	---	---	---	---	---	---	7.82	8.46	8.37	9.05
31	---	---	---	---	---	---	---	---	---	8.53	8.42	---
LOW	7.40	8.10	---	8.28	8.20	8.38	8.30	8.12	8.30	8.53	8.74	9.15
HIGH	7.40	8.10	---	7.11	8.20	8.38	8.30	8.12	7.59	7.69	7.79	8.52

WTR YR 1992 HIGH 7.11 JAN 9 LOW 9.15 SEP 21
e Instantaneous water level



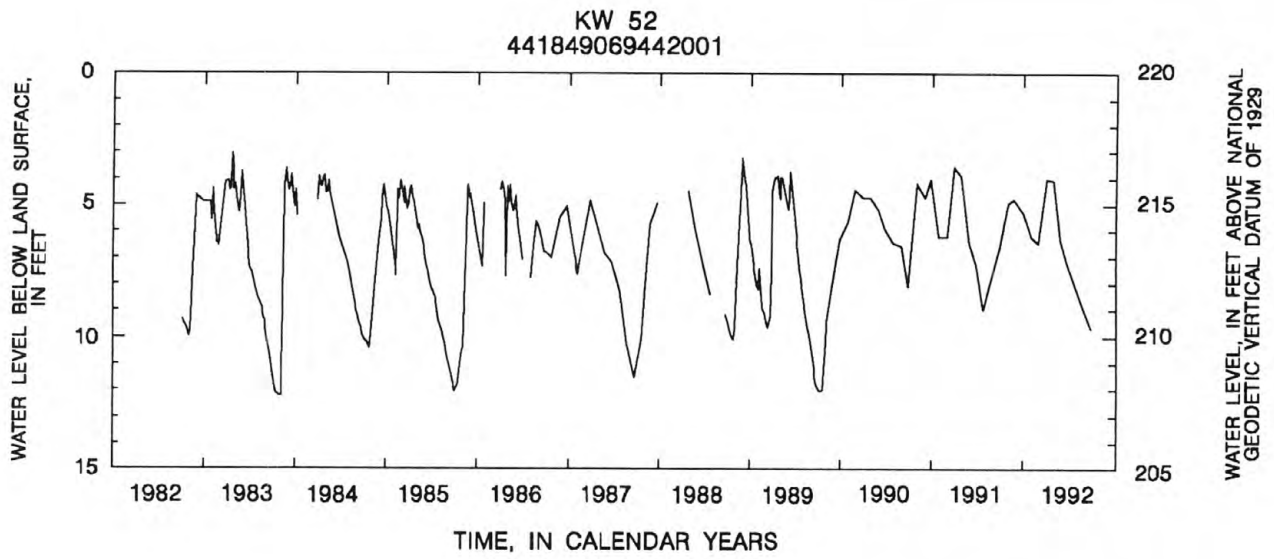
KENNEBEC COUNTY

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 observation water-table well, diameter 36 in., depth 22 ft, cased with rock to 22 ft, open end.
INSTRUMENTATION.--Monthly measurement with chalked 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	4.96	JAN 31	6.24	APR 28	4.06	JUL 29	8.29	SEP 23	9.70		
NOV 21	4.78	FEB 27	6.43	MAY 26	6.33	AUG 25	8.88				
DEC 31	5.32	MAR 30	4.04	JUN 25	7.23	31	9.01				

WATER YEAR 1992 HIGHEST 4.04 MAR 30, 1992 LOWEST 9.70 SEP 23, 1992



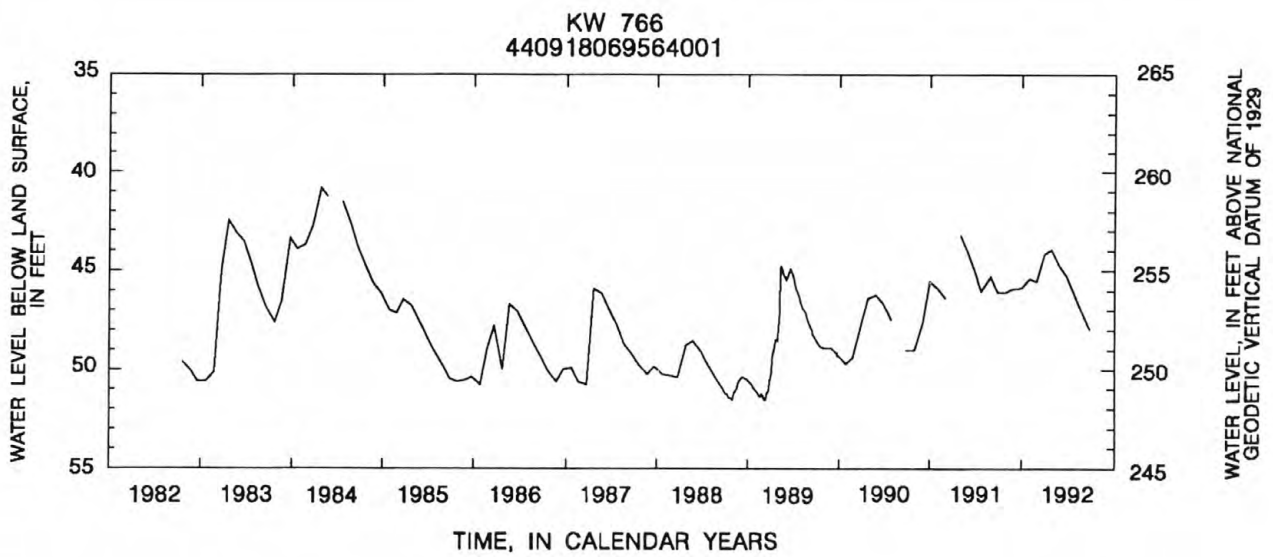
KENNEBEC COUNTY--Continued

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 observation water-table well, diameter 6 in., depth 62 ft, cased to 59 ft, open end.
INSTRUMENTATION.--Monthly measurement with chalked 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 02, 1984; lowest measured, 51.57 ft below land-surface datum, Mar. 15, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	46.03	DEC 30	45.79	FEB 27	45.54	APR 28	43.93	JUN 26	45.25	AUG 25	47.01
NOV 21	45.94	JAN 30	45.35	MAR 30	44.16	MAY 26	44.68	JUL 28	46.17	SEP 23	47.88

WATER YEAR 1992 HIGHEST 43.93 APR 28, 1992 LOWEST 47.88 SEP 23, 1992



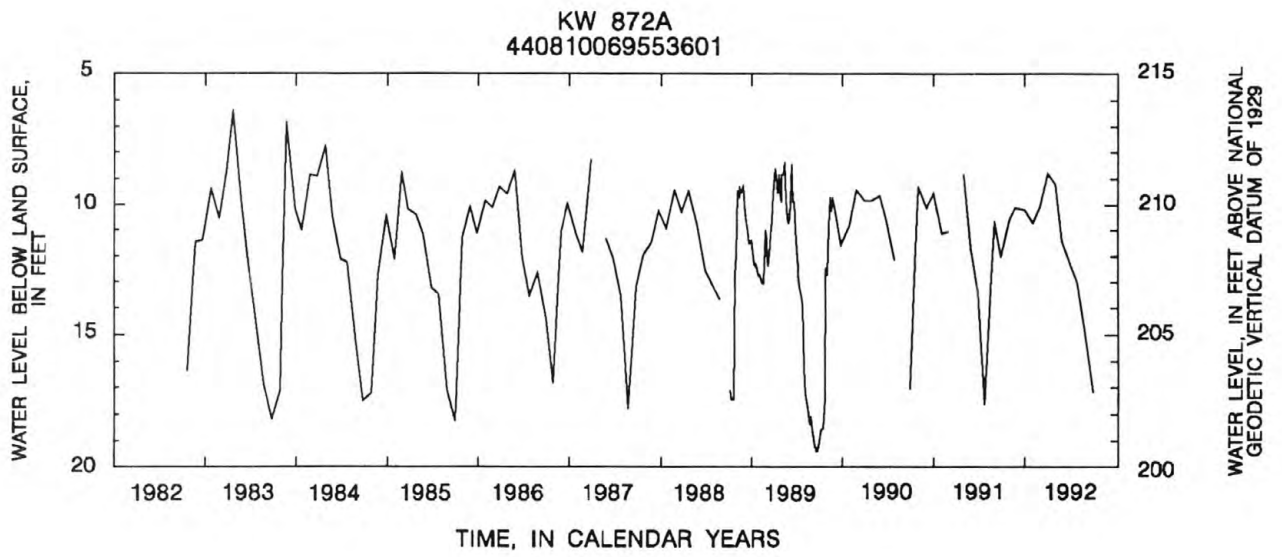
KENNEBEC COUNTY--Continued

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.
INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 404 ft, cased to bedrock, open end.
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, 19.58 ft below land-surface datum, Sept. 18, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	10.60	DEC 30	10.18	FEB 27	10.06	APR 28	9.22	JUN 26	12.33	AUG 25	14.77
NOV 21	10.14	JAN 30	10.68	MAR 30	8.80	MAY 26	11.41	JUL 28	13.03	SEP 23	17.17

WATER YEAR 1992 HIGHEST 8.80 MAR 30, 1992 LOWEST 17.17 SEP 23, 1992



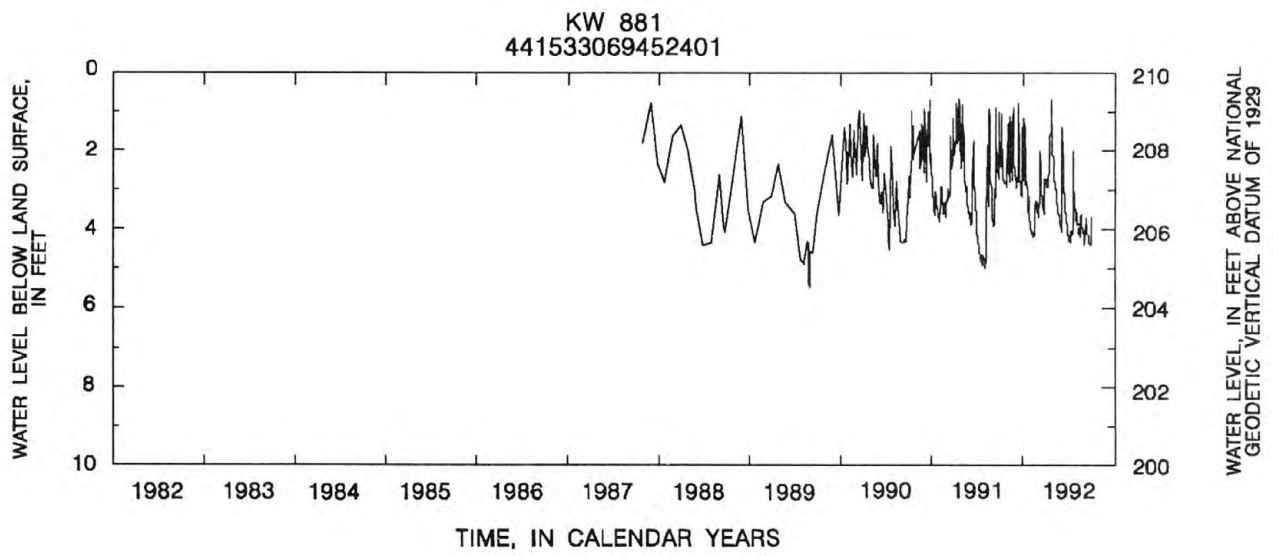
KENNEBEC COUNTY--Continued

441533069452401. Local number, KW 881.
LOCATION.--Lat 44°15'33", long 69°45'24", 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.
INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.
WELL CHARACTERISTICS.--Wash-bored observation water-table well, diameter 2 in., depth 20 ft, screened depth 10 to 20 ft.
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, 0.64 ft below land-surface datum, Apr. 22, 1991; lowest measured, 7.73 ft below land-surface datum, Sept. 16, 1988.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.30	2.29	2.53	2.21	3.90	3.51	2.83	2.11	3.93	4.10	3.45	4.13
2	1.77	1.26	2.63	2.44	3.95	3.59	2.79	2.15	3.86	4.17	3.46	4.18
3	1.76	1.59	2.60	2.65	4.00	3.61	2.72	2.19	3.90	4.25	3.51	4.28
4	2.18	1.96	2.62	2.74	4.01	3.68	2.72	2.36	3.99	4.29	3.56	4.35
5	2.41	2.21	2.87	1.41	4.03	3.67	2.76	2.51	4.06	4.26	3.65	4.37
6	1.53	2.36	2.86	1.16	4.11	3.69	2.84	2.64	3.86	4.27	3.76	3.75
7	1.41	2.48	2.87	1.36	4.11	3.50	2.85	2.75	3.53	4.31	3.81	3.70
8	1.01	2.63	2.95	1.88	4.09	3.27	2.85	2.79	2.67	4.34	3.86	3.76
9	1.39	2.74	2.83	2.19	4.12	3.15	2.91	2.79	1.37	4.22	3.87	3.81
10	1.89	2.79	2.72	2.36	4.17	3.05	2.90	2.88	2.17	4.01	3.83	3.83
11	2.19	1.73	2.69	2.62	4.08	2.34	2.91	2.96	2.52	4.01	3.87	3.87
12	2.36	1.09	2.79	2.81	4.15	1.98	2.84	2.97	2.70	4.06	3.97	3.89
13	1.96	1.46	1.44	2.88	4.12	2.42	2.91	2.99	2.85	4.03	4.07	3.96
14	2.67	1.82	.76	2.41	4.11	2.57	2.78	3.07	2.98	4.09	4.11	4.03
15	2.72	2.04	1.00	1.91	4.16	2.74	2.66	3.20	3.09	4.04	4.16	4.08
16	2.77	2.09	1.67	2.46	3.90	2.91	2.54	3.25	3.18	4.10	4.18	4.12
17	2.79	2.33	2.17	2.75	3.68	2.97	2.34	3.25	3.28	4.14	4.20	4.13
18	2.80	2.46	2.40	2.99	3.56	3.12	2.06	3.30	3.35	4.08	3.93	4.16
19	1.38	2.56	2.65	3.17	3.39	3.15	1.79	3.42	3.42	3.41	3.66	4.18
20	1.88	2.60	2.75	3.29	3.27	3.23	1.59	3.46	3.52	1.98	3.62	4.22
21	2.19	2.70	2.71	3.41	3.31	3.34	1.48	3.48	3.60	2.54	3.70	4.27
22	2.36	2.77	2.85	3.57	3.39	3.37	1.29	3.51	3.64	2.82	3.79	4.34
23	2.56	1.14	2.86	3.54	3.42	3.42	.97	3.55	3.69	2.98	3.87	4.36
24	2.67	.89	2.96	3.16	3.44	3.52	.70	3.63	3.77	3.11	3.87	4.34
25	2.72	1.07	3.06	3.35	3.40	3.59	.82	3.67	3.79	3.21	3.95	4.34
26	2.77	1.64	3.10	3.48	3.29	3.59	1.16	3.69	3.88	3.27	3.96	4.37
27	2.79	2.05	3.14	3.64	3.36	3.29	1.47	3.72	3.94	3.36	3.95	4.37
28	2.80	2.21	3.14	3.74	3.42	2.94	1.72	3.79	4.02	3.46	3.99	4.36
29	2.82	2.39	3.06	3.79	3.44	2.71	1.88	3.78	4.10	3.57	4.02	3.90
30	2.85	2.46	1.37	3.86	---	2.78	2.02	3.91	4.14	3.69	4.05	3.69
31	2.92	---	1.77	3.88	---	2.82	---	3.94	---	3.77	4.04	---
LOW	2.92	2.79	3.14	3.88	4.17	3.69	2.91	3.94	4.14	4.34	4.20	4.37
HIGH	1.01	.89	.76	1.16	3.27	1.98	.70	2.11	1.37	1.98	3.45	3.69

WTR YR 1992 HIGH .70 APR 24 LOW 4.37 SEP 5,26,27



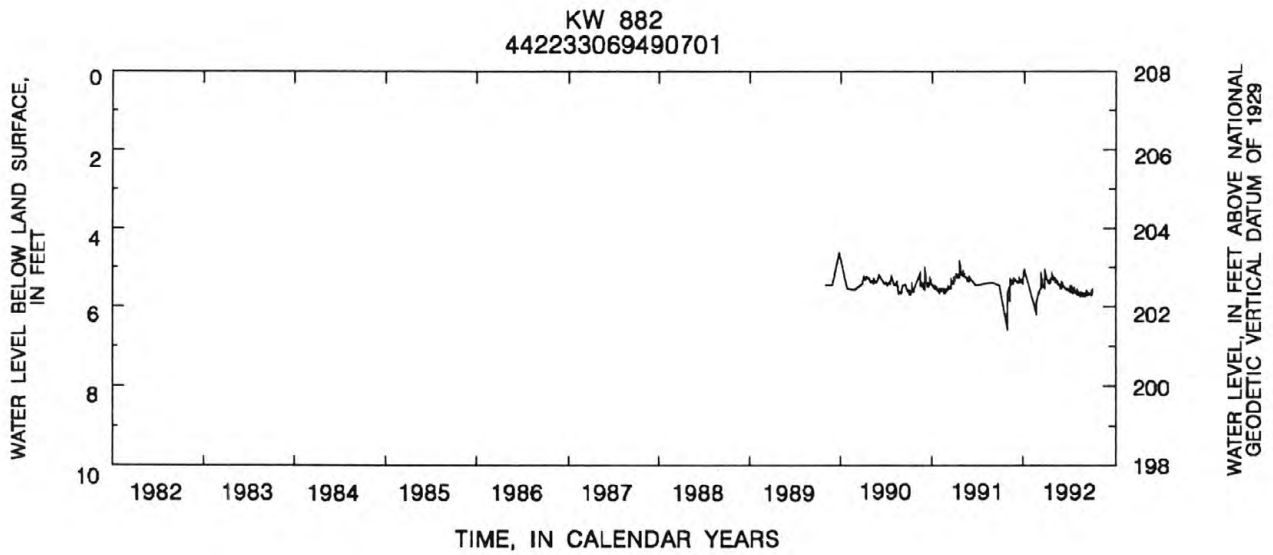
KENNEBEC COUNTY--Continued

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.
WELL CHARACTERISTICS.--Wash-bored observation water-table well, diameter 2 in., depth 16 ft, screened depth 11 to 16 ft, screen slot size 0.018 in.
INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel before Apr. 05; electronic water-level recorder--daily-mean values stored based on 24 hourly measurements after Apr. 05.
DATUM.--Elevation of land-surface datum is 208 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.03 ft above land-surface datum.
REMARKS.--Record lost between Oct. 1-28 and Jan 05 to Feb. 19, because of recorder malfunction.
PERIOD OF RECORD.--November 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.60 ft below land-surface datum, Dec. 27, 1989; lowest measured, 6.56 ft below land-surface datum, Oct. 29, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.61	5.33	5.31	---	5.63	5.24	5.28	5.38	5.57	5.52	5.69
2	---	5.51	5.34	5.03	---	5.66	5.24	5.27	5.34	5.60	5.63	5.68
3	---	5.48	5.30	---	e5.46	5.64	5.26	5.24	5.36	5.61	5.64	5.70
4	---	5.51	5.33	---	---	5.63	5.32	5.31	5.40	5.57	5.60	5.71
5	---	5.61	5.39	---	---	5.60	5.34	5.34	5.50	5.53	5.63	5.67
6	---	5.61	5.37	---	---	5.63	5.35	5.36	5.38	5.46	5.69	5.58
7	---	5.58	5.36	---	---	5.56	5.34	5.36	5.40	5.53	5.69	5.65
8	---	5.74	5.35	---	---	5.51	5.33	5.33	5.43	5.55	5.69	5.65
9	---	5.82	5.34	---	---	5.53	5.36	5.29	5.46	5.44	5.64	5.64
10	---	5.54	5.37	---	---	5.51	5.35	5.32	5.50	5.49	5.62	5.61
11	---	5.27	5.37	---	---	5.16	5.37	5.36	5.52	5.55	5.64	5.62
12	---	5.28	5.33	---	---	5.10	5.34	5.35	5.52	5.58	5.70	5.62
13	---	5.34	5.24	---	---	5.32	5.40	5.33	5.52	5.54	5.71	5.65
14	---	5.36	5.23	---	---	5.37	5.34	5.37	5.52	5.58	5.69	5.69
15	---	5.36	5.29	---	---	5.41	5.36	5.43	5.54	5.59	5.69	5.69
16	---	5.38	5.35	---	---	5.44	5.38	5.43	5.58	5.63	5.68	5.67
17	---	5.41	5.35	---	---	5.42	5.34	5.41	5.58	5.64	5.68	5.66
18	---	5.40	5.35	---	---	5.48	5.34	5.40	5.56	5.55	5.59	5.64
19	---	5.38	5.37	---	e5.38	5.45	5.32	5.44	5.53	5.55	5.61	5.63
20	---	5.38	5.32	---	6.24	5.45	5.27	5.44	5.55	5.50	5.64	5.64
21	---	5.40	5.28	---	6.18	5.47	5.25	5.43	5.55	5.56	5.69	5.65
22	---	5.35	5.30	---	6.11	5.46	5.23	5.42	5.53	5.61	5.70	5.68
23	---	5.26	5.30	---	6.03	5.46	5.20	5.42	5.56	5.62	5.71	5.67
24	---	5.24	5.35	---	5.96	5.48	5.12	5.44	5.55	5.62	5.68	5.62
25	---	5.29	5.39	---	5.83	5.51	5.11	5.45	5.53	5.62	5.68	5.58
26	---	5.34	5.39	---	5.68	5.49	5.18	5.47	5.57	5.61	5.68	5.67
27	---	5.33	5.36	---	5.62	5.22	5.22	5.47	5.57	5.61	5.67	5.68
28	e5.45	5.32	5.33	---	5.61	5.03	5.27	5.48	5.58	5.64	5.67	5.65
29	6.56	5.33	5.32	---	5.61	5.06	5.28	5.51	5.58	5.66	5.67	5.53
30	6.15	5.32	5.33	---	---	5.21	5.27	5.51	5.56	5.68	5.66	5.58
31	5.76	---	5.41	e5.41	---	5.24	---	5.46	---	5.66	5.65	---
LOW	6.56	5.82	5.41	5.41	6.24	5.66	5.40	5.51	5.58	5.68	5.71	5.71
HIGH	5.45	5.24	5.23	5.03	5.38	5.03	5.11	5.24	5.34	5.44	5.52	5.53

WTR YR 1992 HIGH 5.03 JAN 2, MAR 28 LOW 6.56 OCT 29
e Instantaneous water level



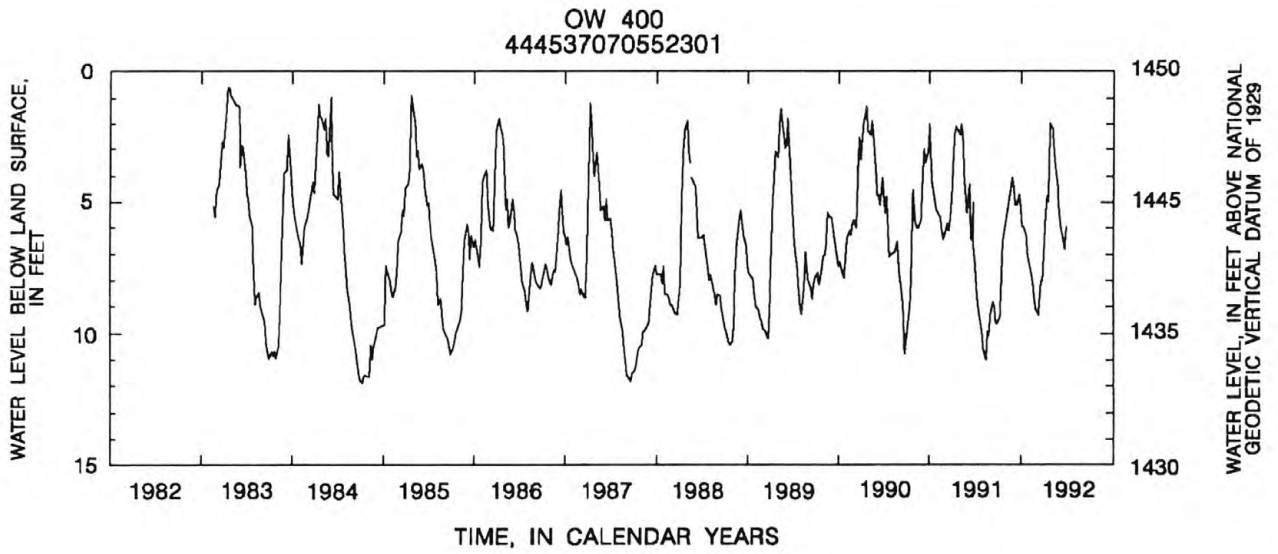
OXFORD COUNTY

444637070552301. Local number, OW 400.
LOCATION.--Lat 44°46'37", long 70°55'23", Hydrologic Unit 01040001, at Middle Dam, Lower Richardson Lake. Owner: Union Water Power Co.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 15 ft, cased with concrete pipe to 15 ft, open end.
INSTRUMENTATION.--Weekly measurement with chalked tape by local observer.
DATUM.--Elevation of land-surface datum is 1,450 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of concrete pipe, 1.8 ft above land-surface datum.
REMARKS.--Prior to 1973 well was used for domestic supply.
PERIOD OF RECORD.--Apr. 1944 to September 1991, (discontinued). Records from May 16 to Sept. 30, 1982, are unreliable and should not be used.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.4 ft above land-surface datum, Apr. 11, 1976; lowest measured, 12.2 ft below land-surface datum, Oct. 09, 16, 23, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	9.40	DEC 22	4.70	FEB 09	7.80	MAR 29	8.00	MAY 16	3.60	JUN 28	5.90
13	8.10	29	5.20	16	8.10	APR 05	5.60	24	4.50	SEP 30	10.52
20	6.50	JAN 04	5.90	23	8.70	12	4.80	27	4.77		
NOV 24	4.10	12	5.90	MAR 01	9.10	19	5.00	31	5.40		
DEC 01	4.50	19	6.30	08	9.30	26	2.00	JUN 07	5.90		
08	5.10	26	7.00	15	8.60	MAY 03	2.20	14	6.20		
15	5.10	FEB 02	7.30	22	8.00	10	3.00	21	6.80		

WATER YEAR 1992 HIGHEST 2.00 APR 26, 1992 LOWEST 10.52 SEP 30, 1992



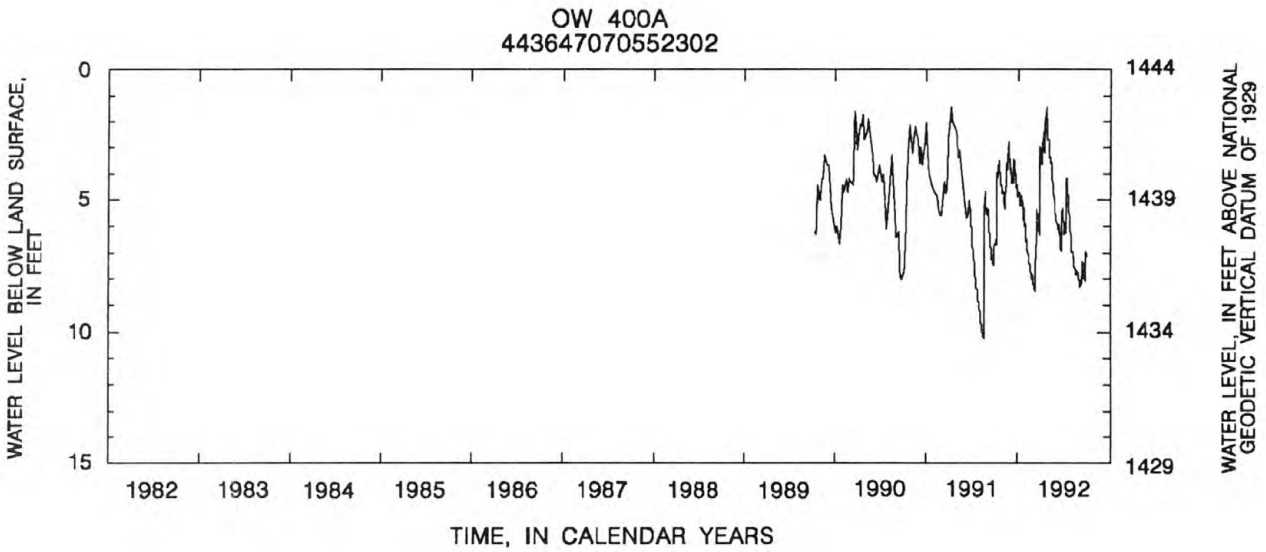
OXFORD COUNTY--Continued

444637070552302. 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 observation water-table well, diameter 2 in., depth 23.6 ft, screened depth 18.6 to 23.6 ft, screen slot size 0.006 in.
INSTRUMENTATION.--Weekly measurement with chalked tape by local observer. 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.
PERIOD OF RECORD.--Oct. 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.40 ft below land-surface datum, Apr. 7, 1991; lowest measured; 10.23 ft below land-surface datum, Aug. 18 and 19, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.48	4.65	3.63	4.76	6.32	8.15	3.13	2.72	5.62	5.73	6.75	8.15
2	6.48	4.69	3.83	4.74	6.46	8.24	3.18	2.71	5.72	5.93	6.93	8.20
3	6.48	4.83	3.61	4.87	6.57	8.25	3.25	2.76	5.81	6.08	6.95	8.23
4	6.61	4.93	3.72	4.81	6.53	8.31	3.45	3.08	5.95	6.14	6.97	8.27
5	6.67	4.98	4.27	4.70	6.68	8.33	3.64	3.25	6.10	6.20	7.07	8.27
6	6.46	4.97	4.10	4.80	6.84	8.41	3.68	3.33	6.04	6.27	7.16	8.15
7	4.35	5.09	4.09	4.96	6.87	8.34	3.40	3.36	6.11	6.20	7.18	8.01
8	3.98	5.27	4.35	5.12	6.91	8.34	3.19	3.38	6.04	5.94	7.18	7.92
9	4.04	5.35	4.22	4.78	7.08	8.44	2.86	3.39	5.92	5.46	7.20	7.90
10	4.11	5.24	4.29	4.73	7.25	8.43	2.59	3.55	5.91	4.55	7.24	7.88
11	4.15	5.07	4.23	5.07	7.15	8.27	2.41	3.60	5.96	4.25	7.28	7.93
12	3.91	4.86	4.37	5.23	7.36	7.50	2.57	3.57	5.95	4.19	7.42	7.80
13	3.70	4.40	4.08	5.09	7.31	6.21	2.97	3.64	6.01	4.22	7.51	7.58
14	3.87	4.42	3.59	4.84	7.39	5.67	2.94	3.91	6.17	4.36	7.57	7.43
15	4.01	4.25	3.44	5.26	7.48	5.56	3.12	4.05	6.41	4.46	7.64	7.37
16	3.85	3.87	3.53	5.04	7.42	5.55	3.05	4.10	6.54	4.69	7.69	7.37
17	3.50	3.62	3.59	4.92	7.67	5.37	2.95	4.01	6.64	4.80	7.76	7.40
18	3.50	3.61	3.73	5.12	7.71	5.71	3.21	4.22	6.66	4.84	7.78	7.48
19	3.62	3.68	4.06	5.29	7.63	5.55	2.96	4.44	6.72	4.89	7.81	7.61
20	3.82	3.63	4.01	5.25	7.77	5.63	2.04	4.49	6.85	4.90	7.83	7.79
21	3.89	3.83	3.76	5.40	7.85	5.85	1.57	4.57	6.91	5.09	7.79	7.88
22	4.01	3.86	4.06	5.77	7.87	5.82	1.51	4.63	6.62	5.34	7.74	7.92
23	4.24	3.35	4.04	5.43	7.93	5.92	1.53	4.70	6.04	5.46	7.72	8.05
24	4.30	2.76	4.33	5.30	7.98	6.19	1.43	5.02	5.60	5.62	7.68	7.76
25	4.35	2.93	4.52	5.90	7.97	6.31	1.51	5.12	5.38	5.71	7.70	7.33
26	4.44	3.30	4.50	5.94	7.85	6.35	1.78	5.16	5.38	5.77	7.76	7.08
27	4.49	3.38	4.58	6.00	7.90	5.32	2.06	5.23	5.32	5.93	7.82	6.96
28	4.76	3.32	4.51	6.00	8.00	3.36	2.28	5.40	5.44	6.18	7.89	7.01
29	4.66	3.53	4.45	5.94	8.08	2.99	2.36	5.55	5.52	6.35	7.95	7.03
30	4.49	3.46	4.85	5.99	---	3.03	2.52	5.60	5.58	6.56	8.03	7.12
31	4.63	---	4.88	6.07	---	3.03	---	5.59	---	6.69	8.07	---
LOW	6.67	5.35	4.88	6.07	8.08	8.44	3.68	5.60	6.91	6.69	8.07	8.27
HIGH	3.50	2.76	3.44	4.70	6.32	2.99	1.43	2.71	5.32	4.19	6.75	6.96

WTR YR 1992 HIGH 1.43 APR 24 LOW 8.44 MAR 9



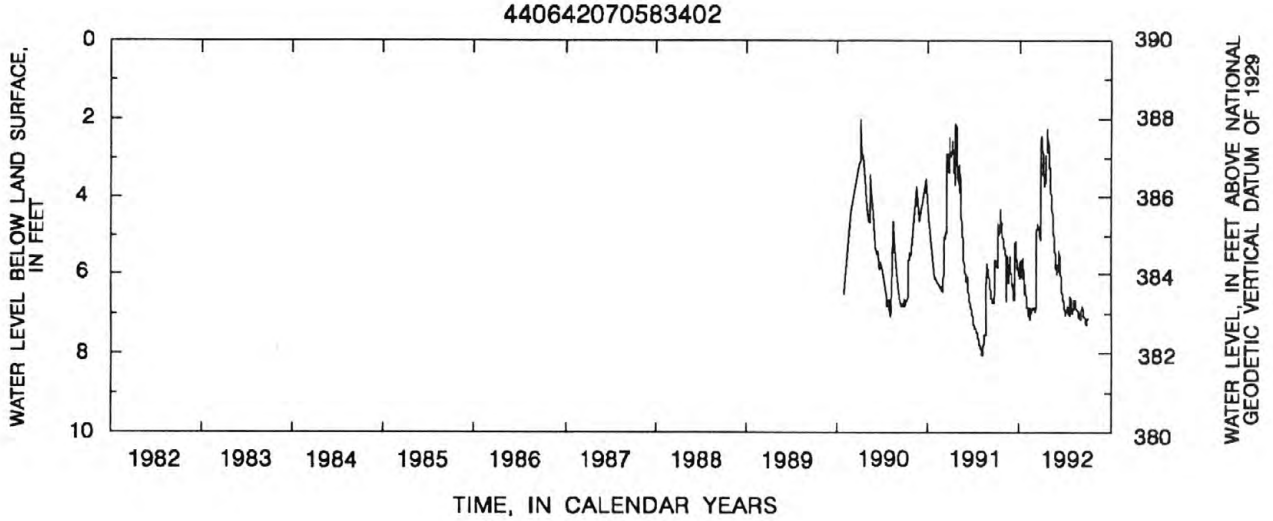
OXFORD COUNTY--Continued

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 observation water-table 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, 2.00 ft below land-surface datum, Apr. 05, 1990; lowest measured, 8.02 ft below land-surface datum, Aug. 5 and 6, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.69	5.29	6.05	5.84	6.73	6.85	2.57	3.21	5.95	6.88	6.91	7.04
2	5.71	5.30	6.14	5.93	6.77	6.89	2.57	3.27	5.79	6.95	6.87	7.10
3	5.72	5.34	6.19	6.02	6.82	6.88	2.72	3.21	5.75	6.99	6.86	7.13
4	5.76	5.38	6.23	6.10	6.85	6.89	2.91	3.43	5.83	7.01	6.87	7.01
5	5.82	5.43	6.36	5.89	6.89	6.91	3.07	3.61	5.93	7.03	6.74	6.90
6	5.50	5.46	6.41	5.67	6.94	6.95	3.19	3.74	5.78	6.96	6.67	6.83
7	4.78	5.51	6.46	5.65	6.97	6.92	3.26	3.87	5.44	6.90	6.63	6.80
8	4.69	6.10	6.55	5.69	7.02	6.79	3.31	3.97	5.37	6.89	6.66	6.78
9	4.74	6.64	6.57	5.70	7.07	6.60	3.42	4.05	5.41	6.87	6.72	6.80
10	4.79	6.67	6.64	5.80	7.11	6.31	3.50	4.14	5.54	6.83	6.69	6.82
11	4.86	6.48	6.66	5.90	7.14	5.38	3.57	4.25	5.66	6.80	6.66	6.86
12	4.82	5.68	6.50	6.03	6.85	4.83	3.65	4.33	5.78	6.82	6.70	6.89
13	4.80	5.53	5.61	6.12	6.82	4.79	3.72	4.42	5.87	6.84	6.77	6.94
14	4.88	5.57	5.42	5.97	6.84	4.73	3.66	4.50	5.98	6.91	6.83	6.98
15	4.96	5.64	5.18	5.58	6.88	4.73	3.60	4.61	6.08	6.94	6.86	7.02
16	4.64	5.73	5.13	5.65	6.89	4.74	3.58	4.72	6.17	6.97	6.89	7.06
17	4.35	5.84	5.22	5.80	6.95	4.70	3.58	4.79	6.24	6.99	6.92	7.09
18	4.31	5.94	5.33	5.96	6.97	4.77	3.59	4.90	6.30	7.01	6.93	7.12
19	4.35	6.03	5.47	6.11	6.95	4.76	3.25	5.01	6.37	6.96	6.92	7.15
20	4.48	6.08	5.54	6.23	6.88	4.77	2.91	5.11	6.45	6.72	6.91	7.18
21	4.61	6.16	5.56	6.34	6.83	4.82	2.82	5.20	6.50	6.63	6.94	7.22
22	4.69	6.23	5.65	6.44	6.83	4.88	2.74	5.30	6.54	6.57	6.98	7.25
23	4.79	5.91	5.70	6.49	6.85	4.95	2.62	5.38	6.57	6.58	7.00	7.22
24	4.88	5.66	5.72	6.24	6.87	5.05	2.33	5.48	6.61	6.61	7.03	7.17
25	4.95	5.51	5.80	6.24	6.86	5.10	2.23	5.56	6.65	6.66	7.08	7.15
26	5.01	5.62	5.86	6.32	6.82	5.11	2.44	5.64	6.68	6.73	7.10	7.14
27	5.07	5.76	5.91	6.41	6.82	3.89	2.64	5.72	6.71	6.79	7.11	7.14
28	5.15	5.85	5.98	6.49	6.83	3.02	2.82	5.78	6.75	6.84	7.06	7.13
29	5.23	5.94	6.01	6.56	6.84	2.49	2.95	5.85	6.80	6.90	7.01	7.12
30	5.27	5.99	5.86	6.64	---	2.42	3.08	5.93	6.83	6.97	7.00	7.15
31	5.30	---	5.82	6.68	---	2.48	---	5.99	---	6.92	7.00	---
LOW	5.82	6.67	6.66	6.68	7.14	6.95	3.72	5.99	6.83	7.03	7.11	7.25
HIGH	4.31	5.29	5.13	5.58	6.73	2.42	2.23	3.21	5.37	6.57	6.63	6.78

WTR YR 1992 HIGH 2.23 APR 25 LOW 7.25 SEP 22



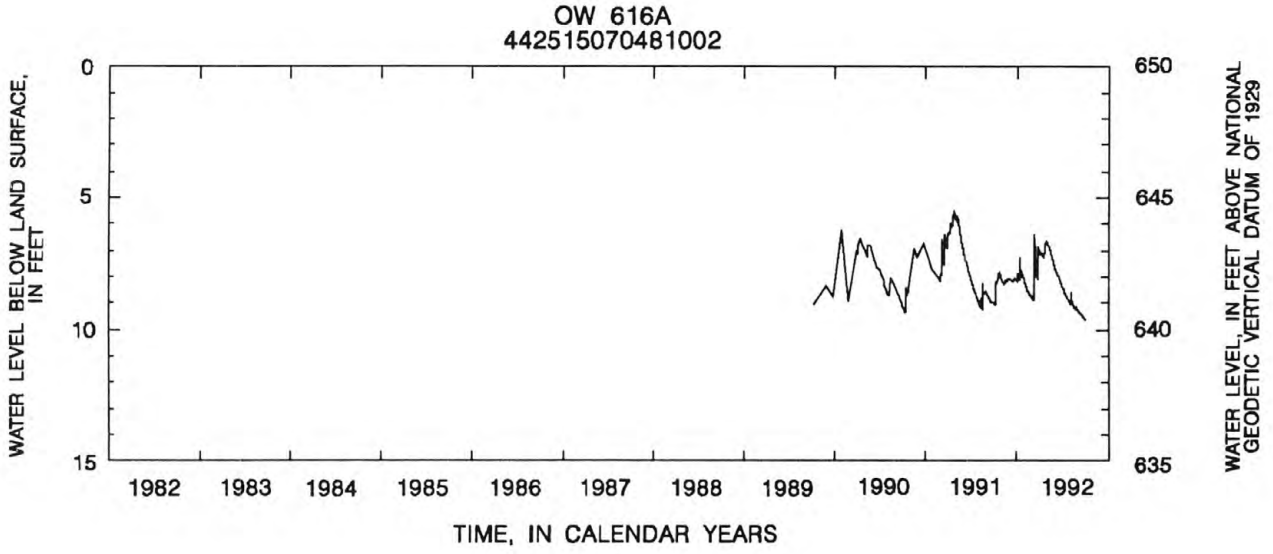
OXFORD COUNTY--Continued

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 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, 9.33 ft below land-surface datum, Oct. 12, 1990.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.01	8.08	8.04	8.14	8.15	8.77	7.16	6.66	7.63	8.35	8.99	9.28
2	9.02	8.10	8.06	8.17	8.18	8.81	7.15	6.67	7.67	8.38	9.01	9.30
3	9.04	8.13	8.07	8.18	8.23	8.83	7.11	6.68	7.69	8.40	9.03	9.32
4	9.04	8.15	8.07	8.20	8.25	8.85	7.12	6.72	7.72	8.42	8.92	9.32
5	9.06	8.17	8.12	8.08	8.27	8.85	7.13	6.76	7.75	8.45	8.57	9.33
6	8.62	8.19	8.12	7.90	8.31	8.87	7.15	6.78	7.76	8.46	8.77	9.35
7	8.15	8.22	8.11	7.94	8.34	8.87	7.13	6.82	7.76	8.49	8.84	9.35
8	8.32	8.25	8.11	8.00	8.36	8.87	7.09	6.84	7.78	8.52	8.91	9.37
9	8.31	8.26	8.11	8.02	8.38	8.79	7.08	6.86	7.82	8.55	8.94	9.38
10	8.28	8.28	8.11	8.03	8.40	8.46	7.11	6.89	7.84	8.58	8.97	9.39
11	8.26	8.26	8.11	8.06	8.43	7.21	7.13	6.93	7.86	8.60	9.00	9.39
12	8.24	8.21	8.12	8.09	8.46	6.38	7.15	6.94	7.88	8.62	9.02	9.41
13	8.23	8.23	8.12	8.12	8.48	7.01	7.19	6.96	7.90	8.64	9.04	9.41
14	8.22	8.20	8.14	7.76	8.50	7.31	7.22	6.99	7.92	8.65	9.06	9.43
15	8.22	8.17	8.15	7.26	8.52	7.51	7.26	7.04	7.95	8.67	9.08	9.44
16	8.02	8.14	8.17	7.61	8.53	7.65	7.27	7.07	7.99	8.69	9.10	9.45
17	7.96	8.12	8.16	7.73	8.57	7.75	7.24	7.10	8.02	8.71	9.12	9.46
18	7.96	8.10	8.16	7.80	8.60	7.81	7.26	7.13	8.04	8.73	9.14	9.47
19	7.92	8.10	8.17	7.85	8.60	7.88	7.24	7.18	8.06	8.77	9.15	9.48
20	7.90	8.11	8.15	7.90	8.61	7.92	7.13	7.21	8.08	8.79	9.16	9.50
21	7.86	8.11	8.09	7.93	8.62	7.94	7.06	7.24	8.10	8.79	9.18	9.50
22	7.84	8.15	8.08	7.98	8.62	7.96	6.99	7.26	8.12	8.81	9.19	9.52
23	7.86	8.17	8.09	8.00	8.64	7.98	6.96	7.30	8.14	8.82	9.20	9.51
24	7.86	8.15	8.09	7.90	8.67	8.04	6.91	7.34	8.18	8.84	9.21	9.52
25	7.88	8.13	8.09	7.86	8.69	8.07	6.81	7.37	8.21	8.86	9.22	9.54
26	7.91	8.13	8.10	7.93	8.70	8.09	6.72	7.40	8.23	8.88	9.24	9.55
27	7.95	8.11	8.11	8.00	8.72	7.51	6.68	7.45	8.25	8.88	9.22	9.57
28	7.99	8.08	8.11	8.03	8.74	7.01	6.66	7.50	8.27	8.90	9.08	9.59
29	8.02	8.05	8.12	8.06	8.75	6.86	6.64	7.53	8.29	8.92	9.18	9.59
30	8.04	8.04	8.13	8.09	---	7.01	6.63	7.56	8.31	8.93	9.24	9.61
31	8.06	---	8.14	8.11	---	7.10	---	7.59	---	8.97	9.26	---
LOW	9.06	8.28	8.17	8.20	8.75	8.87	7.27	7.59	8.31	8.97	9.26	9.61
HIGH	7.84	8.04	8.04	7.26	8.15	6.38	6.63	6.66	7.63	8.35	8.57	9.28

WTR YR 1992 HIGH 6.38 MAR 12 LOW 9.61 SEP 30



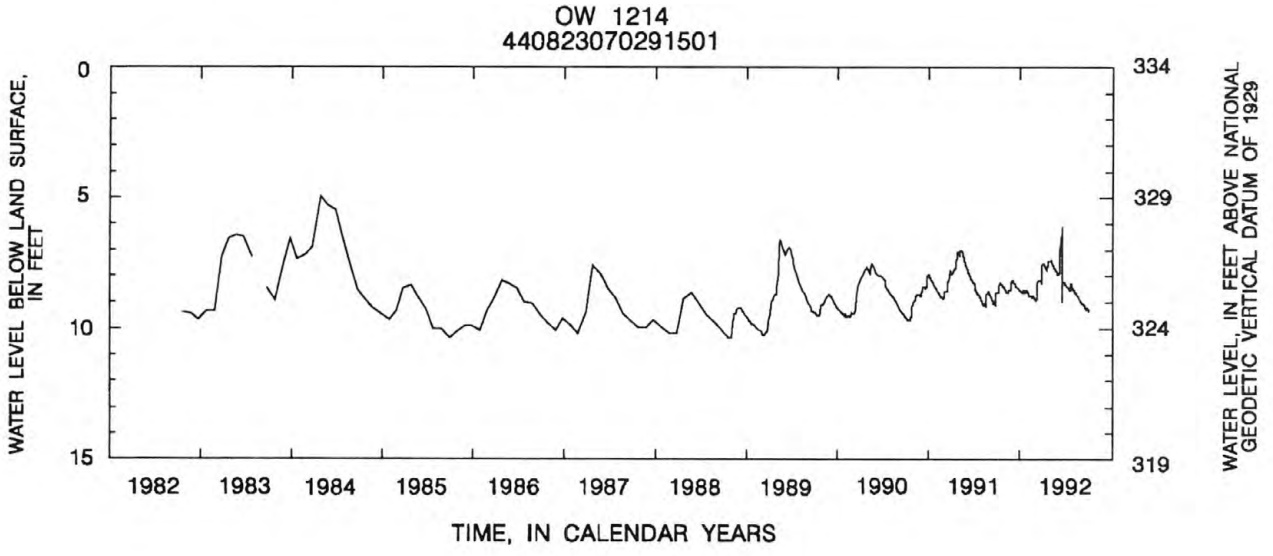
OXFORD COUNTY--Continued

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 observation water-table 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 03, 1984; lowest measured, 10.37 ft below land-surface datum, Oct. 20-22, 1988.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.63	8.49	8.21	8.55	8.60	8.84	7.54	7.41	7.91	8.35	8.50	9.02
2	8.63	8.50	8.20	8.56	8.61	8.87	7.53	7.41	7.90	8.37	8.52	9.04
3	8.63	8.52	8.20	8.57	8.62	8.89	7.52	7.42	7.88	8.40	8.54	9.04
4	8.63	8.55	8.19	8.58	8.65	8.90	7.52	7.41	7.86	8.40	8.55	9.00
5	8.65	8.56	8.20	8.58	8.66	8.91	7.52	7.37	7.85	8.40	8.58	9.03
6	8.64	8.57	8.22	8.58	8.68	8.93	7.55	7.41	7.80	8.39	8.60	9.04
7	8.53	8.59	8.22	8.58	8.69	8.94	7.56	7.45	7.71	8.42	8.61	9.06
8	8.45	8.61	8.23	8.59	8.73	8.87	7.57	7.53	7.63	8.44	8.63	9.07
9	8.38	8.62	8.27	8.61	8.73	8.79	7.62	7.56	7.00	8.43	8.63	9.08
10	8.33	8.62	8.29	8.61	8.74	8.72	7.63	7.58	6.71	8.44	8.65	9.09
11	8.30	8.63	8.32	8.61	8.74	8.52	7.66	7.60	6.72	8.46	8.67	9.10
12	8.25	8.63	8.34	8.62	8.77	8.23	7.66	7.59	6.63	8.48	8.69	9.11
13	8.25	8.62	8.38	8.62	8.77	8.18	7.69	7.58	6.52	8.48	8.71	9.13
14	8.27	8.60	8.38	8.63	8.78	8.18	7.71	7.62	6.49	8.50	8.72	9.15
15	8.29	8.58	8.38	8.57	8.78	8.18	7.73	7.62	6.45	8.51	8.73	9.17
16	8.28	8.55	8.39	8.55	8.79	8.18	7.75	7.66	6.40	8.53	8.74	9.19
17	8.29	8.55	8.41	8.54	8.79	8.18	7.75	7.67	6.11	8.54	8.75	9.20
18	8.29	8.55	8.42	8.54	8.79	8.17	7.75	7.69	8.99	8.55	8.75	9.22
19	8.30	8.55	8.43	8.54	8.79	8.17	7.75	7.72	8.20	8.54	8.77	9.24
20	8.32	8.55	8.43	8.55	8.78	8.17	7.68	7.75	8.23	8.37	8.79	9.24
21	8.34	8.55	8.43	8.57	8.77	8.18	7.61	7.77	8.23	8.32	8.83	9.26
22	8.34	8.55	8.44	8.60	8.77	8.19	7.58	7.79	8.21	8.31	8.85	9.26
23	8.37	8.55	8.45	8.61	8.77	8.20	7.55	7.80	8.22	8.31	8.86	9.23
24	8.38	8.53	8.46	8.56	8.78	8.25	7.53	7.83	8.23	8.32	8.87	9.24
25	8.39	8.47	8.47	8.53	8.79	8.28	7.49	7.86	8.23	8.33	8.89	9.26
26	8.40	8.41	8.49	8.53	8.79	8.30	7.45	7.89	8.25	8.35	8.91	9.28
27	8.41	8.35	8.50	8.53	8.81	8.11	7.43	7.90	8.27	8.38	8.91	9.27
28	8.43	8.29	8.53	8.54	8.82	7.88	7.41	7.90	8.31	8.40	8.92	9.28
29	8.46	8.24	8.53	8.55	8.82	7.62	7.41	7.92	8.35	8.44	8.94	9.30
30	8.46	8.22	8.54	8.57	---	7.57	7.41	7.92	8.33	8.49	8.96	9.31
31	8.48	---	8.55	8.58	---	7.55	---	7.92	---	8.51	9.00	---
LOW	8.65	8.63	8.55	8.63	8.82	8.94	7.75	7.92	8.99	8.55	9.00	9.31
HIGH	8.25	8.22	8.19	8.53	8.60	7.55	7.41	7.37	6.11	8.31	8.50	9.00

WTR YR 1992 HIGH 6.11 JUN 17 LOW 9.31 SEP 30



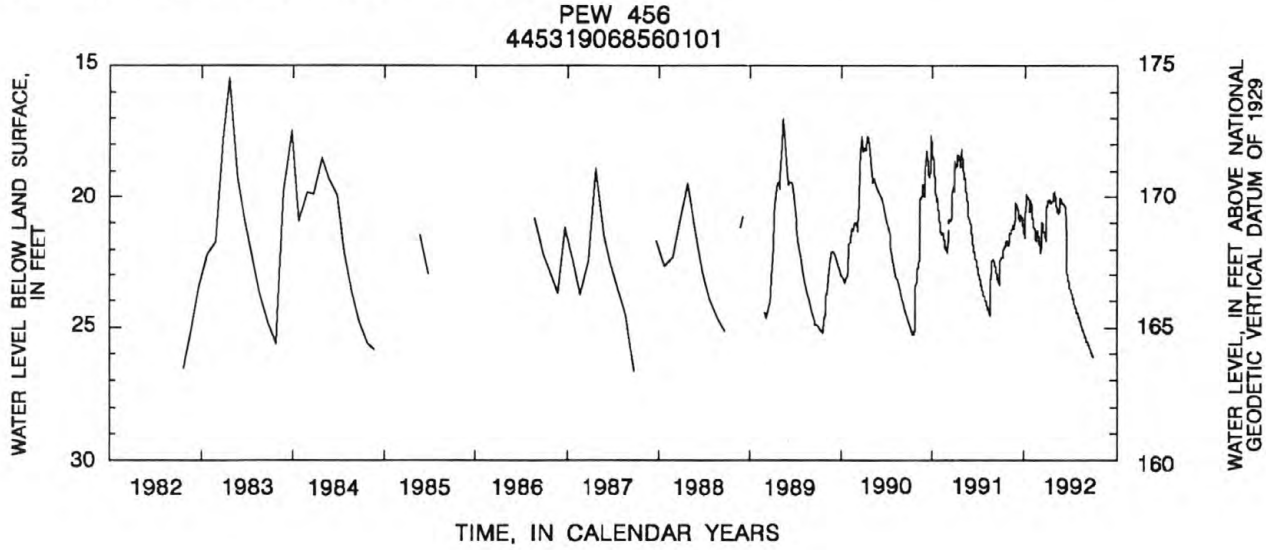
PENOBSCOT COUNTY

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 observation artesian 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, 0.36 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.33	21.84	20.30	21.40	20.59	21.81	20.31	19.97	20.27	23.51	24.55	25.42
2	22.31	21.68	20.36	21.45	20.69	21.87	20.29	20.02	20.27	23.56	24.59	25.45
3	22.30	21.54	20.40	21.51	20.79	21.92	20.20	20.03	20.29	23.61	24.61	25.48
4	22.31	21.46	20.37	21.56	20.86	21.97	20.14	20.12	20.32	23.65	24.64	25.50
5	22.33	21.41	20.53	21.40	20.92	22.01	20.10	20.21	20.35	23.68	24.66	25.53
6	22.31	21.38	20.59	20.66	21.03	22.08	20.11	20.28	20.34	23.72	24.69	25.54
7	22.22	21.36	20.64	20.10	21.09	22.11	20.12	20.36	20.34	23.76	24.72	25.58
8	22.10	21.37	20.72	19.95	21.14	21.86	20.10	20.41	20.33	23.78	24.76	25.60
9	22.05	21.40	20.75	19.92	21.21	21.80	20.13	20.44	20.34	23.80	24.78	25.62
10	22.00	21.41	20.83	19.91	21.33	21.65	20.13	20.47	20.35	23.81	24.81	25.64
11	21.97	21.38	20.88	19.98	21.36	21.16	20.18	20.54	20.38	23.87	24.83	25.67
12	21.93	21.30	20.95	20.06	21.45	21.00	20.16	20.58	20.38	23.91	24.87	25.70
13	21.91	21.22	20.93	20.09	21.51	21.06	20.23	20.64	20.39	23.93	24.91	25.74
14	21.90	21.18	20.78	20.08	21.56	21.11	20.24	20.53	20.40	24.00	24.93	25.75
15	21.91	21.15	20.68	19.98	21.66	21.17	20.26	20.56	21.65	24.03	24.96	25.77
16	21.89	21.10	20.69	19.96	21.64	21.23	20.26	20.58	22.74	24.07	25.00	25.79
17	21.87	21.11	20.71	20.02	21.63	21.26	20.24	20.57	22.81	24.12	25.03	25.81
18	21.81	21.11	20.70	20.10	21.57	21.32	20.25	20.57	22.85	24.14	25.05	25.82
19	21.75	21.11	20.76	20.21	21.45	21.35	20.24	20.60	22.89	24.15	25.07	25.86
20	21.73	21.12	20.79	20.28	21.26	21.37	20.20	20.58	22.95	24.16	25.08	25.90
21	21.72	21.14	20.76	20.37	21.25	21.42	20.16	20.41	23.00	24.19	25.11	25.92
22	21.70	21.20	20.82	20.51	21.31	21.45	20.14	20.11	23.06	24.24	25.15	25.93
23	21.72	21.14	20.86	20.56	21.35	21.50	20.10	20.07	23.10	24.28	25.18	25.96
24	21.73	20.88	20.92	20.33	21.43	21.58	20.04	20.11	23.17	24.30	25.20	25.98
25	21.74	20.60	21.01	20.15	21.49	21.67	19.94	20.13	23.21	24.34	25.22	26.02
26	21.76	20.41	21.08	20.11	21.49	21.61	19.87	20.15	23.26	24.38	25.25	26.03
27	21.78	20.31	21.12	20.19	21.55	20.65	19.84	20.17	23.30	24.40	25.28	26.04
28	21.82	20.24	21.17	20.26	21.67	20.47	19.85	20.19	23.36	24.43	25.31	26.06
29	21.84	20.26	21.21	20.31	21.73	20.42	19.87	20.23	23.42	24.47	25.33	26.08
30	21.84	20.28	21.28	20.41	---	20.35	19.91	20.26	23.45	24.51	25.35	26.09
31	21.86	---	21.36	20.48	---	20.31	---	20.26	---	24.55	25.38	---
LOW	22.33	21.84	21.36	21.56	21.73	22.11	20.31	20.64	23.45	24.55	25.38	26.09
HIGH	21.70	20.24	20.30	19.91	20.59	20.31	19.84	19.97	20.27	23.51	24.55	25.42

WTR YR 1992 HIGH 19.84 APR 27 LOW 26.09 SEP 30



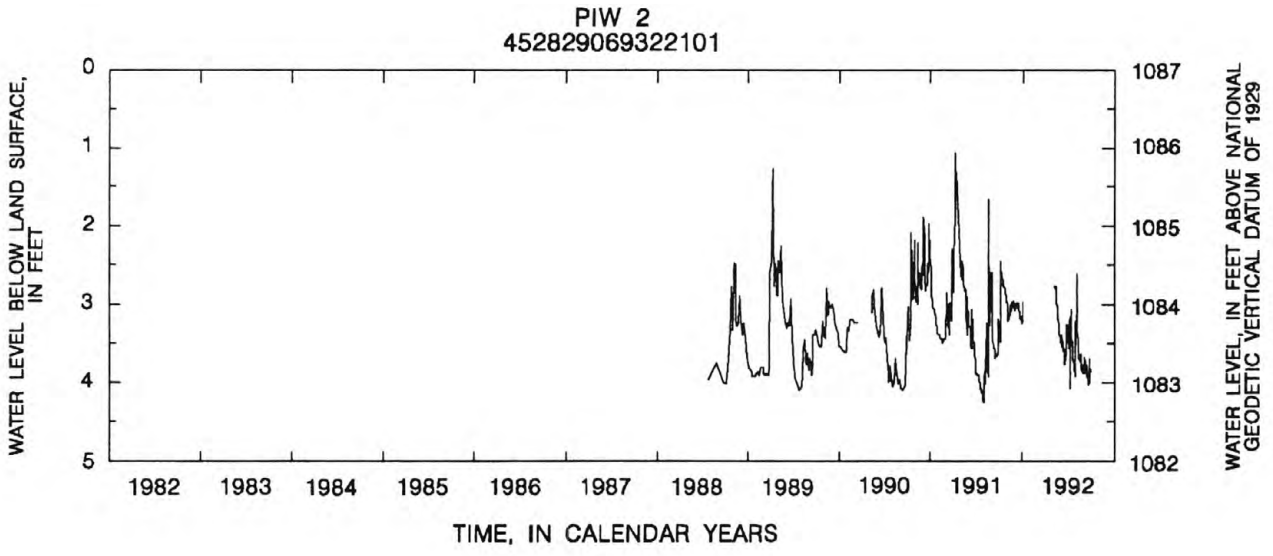
PISCATAQUIS COUNTY

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 observation well, diameter 2 in., Sept. 1987 measured depth 31 ft, screened depth 14 to 24 feet, screen slot size 0.006 in.
INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.
DATUM.--Elevation of land-surface datum is 1,087 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.24 ft above land-surface datum.
REMARKS.--Record lost between Jan. 7 and May 11 because of recorder malfunction.
PERIOD OF RECORD.--July 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.05 ft below land-surface datum, Apr. 09, 1991; 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	2.95	3.05	3.23	---	---	---	---	3.46	3.43	3.20	3.83
2	3.28	2.97	3.07	3.21	---	---	---	---	3.45	3.50	3.38	3.87
3	3.37	2.99	3.02	3.21	---	---	---	---	3.47	3.54	3.52	3.88
4	3.43	3.01	2.97	3.22	---	---	---	---	3.50	3.55	3.06	3.69
5	3.47	3.02	2.97	3.08	---	---	---	---	3.54	3.47	2.61	3.67
6	3.39	3.20	2.98	2.95	---	---	---	---	3.51	3.29	2.98	3.72
7	2.44	3.12	3.00	e2.94	---	---	---	---	3.38	3.14	3.21	3.75
8	2.53	3.14	3.01	---	---	---	---	---	3.37	4.07	3.34	3.79
9	2.56	3.17	3.03	---	---	---	---	---	3.42	3.47	3.43	3.82
10	2.57	3.17	3.01	---	---	---	---	---	3.48	3.40	3.47	3.85
11	2.59	3.18	3.02	---	---	---	---	e2.78	3.53	3.51	3.53	3.77
12	2.61	3.11	3.04	---	---	---	---	2.76	3.57	3.61	3.60	3.81
13	2.63	3.11	3.02	---	---	---	---	2.81	3.59	3.14	3.65	3.86
14	2.64	3.13	2.97	---	---	---	---	2.77	3.56	3.06	3.69	3.89
15	2.66	3.13	2.97	---	---	---	---	2.80	3.59	3.19	3.71	3.91
16	2.68	3.00	2.97	---	---	---	---	2.89	3.63	3.33	3.72	3.92
17	2.70	2.99	3.00	---	---	---	---	2.93	3.65	3.43	3.73	3.94
18	2.71	3.04	3.04	---	---	---	---	2.97	3.70	3.47	3.73	3.96
19	2.73	3.07	3.06	---	---	---	---	3.02	3.72	3.52	3.65	3.98
20	2.75	3.00	3.06	---	---	---	---	3.06	3.76	3.56	3.62	4.00
21	2.76	2.95	3.07	---	---	---	---	3.09	3.64	3.61	3.65	4.02
22	2.78	2.96	3.10	---	---	---	---	3.12	3.49	3.66	3.73	4.00
23	2.80	2.97	3.12	---	---	---	---	3.17	3.24	3.70	3.76	3.69
24	2.82	2.95	3.15	---	---	---	---	3.22	3.32	3.75	3.79	3.75
25	2.83	2.95	3.16	---	---	---	---	3.24	3.31	3.78	3.83	3.82
26	2.85	2.95	3.16	---	---	---	---	3.28	3.24	3.80	3.86	3.84
27	2.87	2.96	3.15	---	---	---	---	3.31	3.28	3.82	3.88	3.82
28	2.89	2.99	3.16	---	---	---	---	3.33	3.28	3.84	3.83	3.82
29	2.90	3.02	3.17	---	---	---	---	3.37	3.32	3.88	3.78	3.83
30	2.92	3.04	3.21	---	---	---	---	3.39	3.39	3.91	3.76	3.86
31	2.94	---	3.23	---	---	---	---	3.45	---	3.92	3.80	---
LOW	3.47	3.20	3.23	3.23	---	---	---	3.45	3.76	4.07	3.88	4.02
HIGH	2.44	2.95	2.97	2.94	---	---	---	2.76	3.24	3.06	2.61	3.67

WTR YR 1992 HIGH 2.44 OCT 7 LOW 4.07 JUL 8
e Instantaneous water level



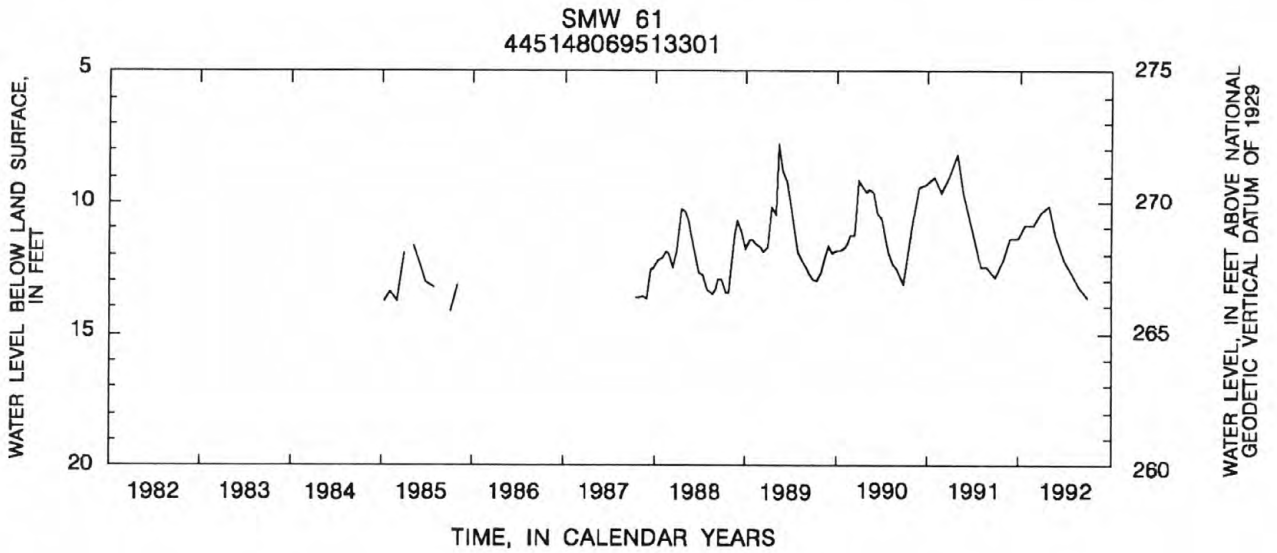
SOMERSET COUNTY

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 deposits of Pleistocene age.
WELL CHARACTERISTICS.--Wash-bored 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 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, 14.16 ft below land-surface datum, Oct. 04, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	12.22	DEC 28	11.39	FEB 27	10.89	APR 27	10.14	JUN 29	12.27	AUG 29	13.22
NOV 26	11.40	JAN 28	10.86	MAR 29	10.41	MAY 28	11.28	JUL 28	12.67	SEP 29	13.61

WATER YEAR 1992 HIGHEST 10.14 APR 27, 1992 LOWEST 13.61 SEP 29, 1992



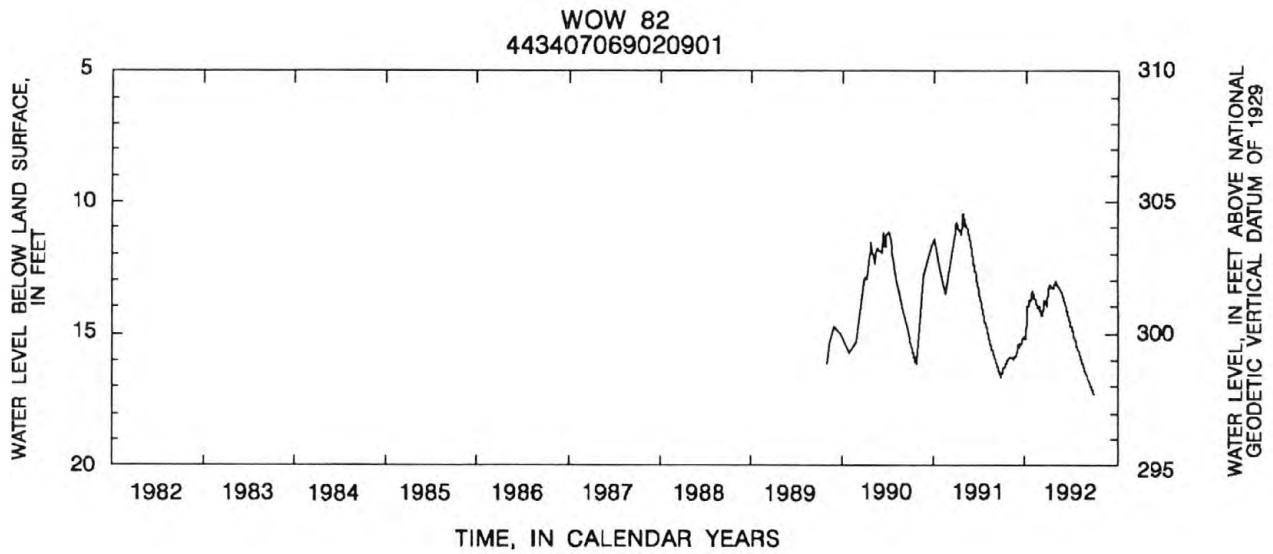
WALDO COUNTY

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.
WELL CHARACTERISTICS.--Wash-bored observation water-table 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 01, 1991; lowest measured, 17.30 ft below land-surface datum, Sept. 30, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.39	15.87	15.61	15.16	13.45	14.15	13.39	13.04	13.69	14.71	15.73	16.62
2	16.35	15.87	15.57	15.16	13.48	14.18	13.33	13.04	13.72	14.76	15.75	16.64
3	16.33	15.88	15.49	15.18	13.51	14.22	13.30	13.04	13.75	14.79	15.78	16.65
4	16.32	15.89	15.44	15.18	13.53	14.24	13.29	13.07	13.80	14.82	15.81	16.68
5	16.28	15.90	15.47	15.10	13.56	14.26	13.25	13.11	13.83	14.86	15.85	16.72
6	16.26	15.90	15.44	14.87	13.61	14.32	13.22	13.13	13.85	14.89	15.88	16.74
7	16.26	15.90	15.40	14.63	13.63	14.32	13.20	13.15	13.89	14.92	15.91	16.75
8	16.26	15.91	15.40	14.42	13.67	14.34	13.18	13.16	13.92	14.96	15.94	16.78
9	16.25	15.92	15.38	14.23	13.71	14.34	13.18	13.15	13.95	14.98	15.97	16.80
10	16.23	15.91	15.39	14.10	13.77	14.32	13.18	13.17	13.99	15.03	15.99	16.83
11	16.21	15.89	15.39	14.04	13.79	14.22	13.20	13.21	14.03	15.06	16.01	16.85
12	16.19	15.91	15.40	14.01	13.84	14.15	13.18	13.23	14.06	15.11	16.04	16.88
13	16.19	15.92	15.38	13.96	13.85	14.04	13.22	13.23	14.09	15.12	16.09	16.90
14	16.16	15.93	15.37	13.91	13.89	13.92	13.23	13.25	14.13	15.16	16.12	16.91
15	16.14	15.92	15.39	13.90	13.94	13.86	13.27	13.27	14.17	15.19	16.14	16.95
16	16.11	15.90	15.39	13.83	13.94	13.81	13.29	13.29	14.20	15.24	16.18	16.98
17	16.10	15.91	15.37	13.78	14.00	13.76	13.29	13.31	14.24	15.25	16.23	16.99
18	16.07	15.89	15.35	13.76	14.02	13.78	13.31	13.32	14.28	15.27	16.24	17.02
19	16.05	15.89	15.34	13.76	13.99	13.77	13.31	13.36	14.31	15.33	16.25	17.04
20	16.03	15.87	15.31	13.75	14.01	13.82	13.28	13.37	14.33	15.36	16.27	17.07
21	16.02	15.87	15.22	13.76	14.01	13.84	13.27	13.38	14.38	15.38	16.31	17.10
22	16.00	15.87	15.22	13.80	14.01	13.86	13.26	13.40	14.41	15.42	16.35	17.12
23	15.98	15.85	15.19	13.77	14.02	13.88	13.24	13.43	14.44	15.46	16.38	17.14
24	15.96	15.83	15.18	13.69	14.04	13.93	13.20	13.46	14.47	15.49	16.41	17.16
25	15.93	15.83	15.16	13.65	14.04	13.97	13.18	13.49	14.51	15.52	16.42	17.18
26	15.92	15.83	15.15	13.56	14.00	13.99	13.16	13.51	14.54	15.54	16.46	17.22
27	15.91	15.79	15.14	13.49	14.05	13.96	13.14	13.54	14.57	15.58	16.47	17.24
28	15.90	15.75	15.12	13.44	14.08	13.86	13.12	13.58	14.61	15.61	16.49	17.26
29	15.89	15.72	15.10	13.40	14.11	13.72	13.06	13.60	14.65	15.64	16.52	17.28
30	15.88	15.64	15.14	13.40	---	13.59	13.05	13.63	14.68	15.66	16.54	17.30
31	15.88	---	15.16	13.40	---	13.47	---	13.67	---	15.70	16.59	---
LOW	16.39	15.93	15.61	15.18	14.11	14.34	13.39	13.67	14.68	15.70	16.59	17.30
HIGH	15.88	15.64	15.10	13.40	13.45	13.47	13.05	13.04	13.69	14.71	15.73	16.62

WTR YR 1992 HIGH 13.04 MAY 1-3 LOW 17.30 SEP 30



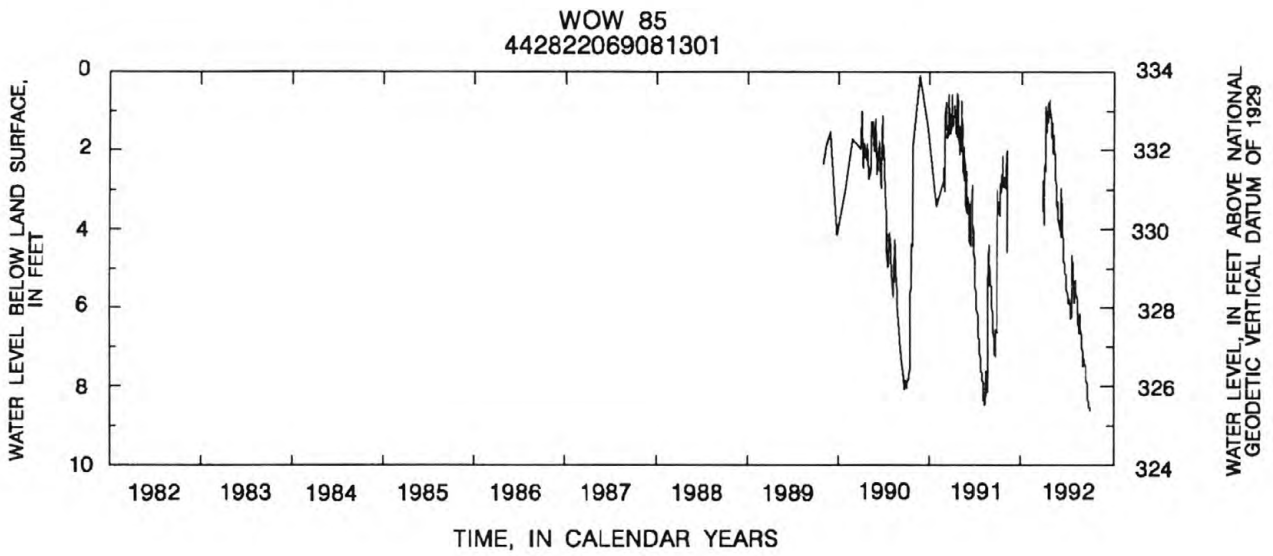
WALDO COUNTY--Continued

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.
WELL CHARACTERISTICS.--Wash-bored observation water-table 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.
REMARKS.--Record lost between Nov. 5 and Mar. 25 because of recorder malfunction.
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, 8.59 ft below land-surface datum, Sept. 30, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.42	2.55	---	---	---	---	3.47	1.67	3.99	5.53	5.76	7.25
2	3.36	1.98	---	---	---	---	2.42	1.59	3.77	5.65	5.49	7.38
3	3.33	2.09	---	---	---	---	2.47	1.30	3.86	5.75	5.32	7.47
4	3.50	4.57	---	---	---	---	2.31	1.56	4.07	5.85	5.30	7.50
5	3.66	---	---	---	---	---	2.27	1.79	4.20	5.87	5.33	7.44
6	3.60	---	---	---	---	---	2.38	1.93	3.90	5.89	5.44	7.35
7	2.84	---	---	---	---	---	2.51	2.04	2.95	5.86	5.55	7.29
8	2.86	---	---	---	---	---	1.16	2.11	2.96	5.83	5.66	7.29
9	3.01	---	---	---	---	---	.88	1.66	3.12	5.75	5.76	7.35
10	3.08	---	---	---	---	---	1.37	1.59	3.40	5.75	5.82	7.40
11	3.01	---	---	---	---	---	1.53	1.81	3.61	5.75	5.91	7.47
12	2.64	---	---	---	---	---	1.51	1.99	3.77	5.87	6.09	7.58
13	2.62	---	---	---	---	---	1.53	2.10	3.94	5.92	6.26	7.63
14	2.84	---	---	---	---	---	1.40	2.25	4.12	6.02	6.36	7.69
15	2.98	---	---	---	---	---	1.30	2.48	4.26	6.07	6.46	7.76
16	2.59	---	---	---	---	---	1.26	2.57	4.35	6.16	6.53	7.82
17	2.25	---	---	---	---	---	1.06	2.64	4.49	6.25	6.63	7.90
18	2.16	---	---	---	---	---	1.10	2.72	4.59	6.23	6.63	7.98
19	2.27	---	---	---	---	---	.90	2.91	4.66	6.04	6.37	8.05
20	2.52	---	---	---	---	---	.81	2.99	4.79	5.23	6.19	8.16
21	2.68	---	---	---	---	---	.83	3.08	4.89	4.67	6.16	8.22
22	2.69	---	---	---	---	---	.75	3.23	4.95	4.66	6.22	8.28
23	2.83	---	---	---	---	---	.73	3.36	5.03	4.75	6.36	8.36
24	2.89	---	---	---	---	---	.70	3.50	5.10	4.87	6.44	8.44
25	2.91	---	---	---	---	---	.70	3.30	5.11	5.00	6.54	8.47
26	2.93	---	---	---	---	3.03	.96	3.40	5.13	5.10	6.67	8.52
27	2.95	---	---	---	---	2.77	1.19	3.54	5.17	5.23	6.76	8.53
28	2.86	---	---	---	---	3.31	1.38	3.67	5.28	5.37	6.86	8.54
29	2.82	---	---	---	---	3.45	1.47	3.77	5.36	5.52	6.92	8.54
30	2.86	---	---	---	---	3.40	1.56	3.88	5.42	5.71	7.02	8.59
31	2.85	---	---	---	---	3.86	---	3.93	---	5.89	7.11	---
LOW	3.66	4.57	---	---	---	3.86	3.47	3.93	5.42	6.25	7.11	8.59
HIGH	2.16	1.98	---	---	---	2.77	.70	1.30	2.95	4.66	5.30	7.25

WTR YR 1992 HIGH .70 APR 24,25 LOW 8.59 SEP 30



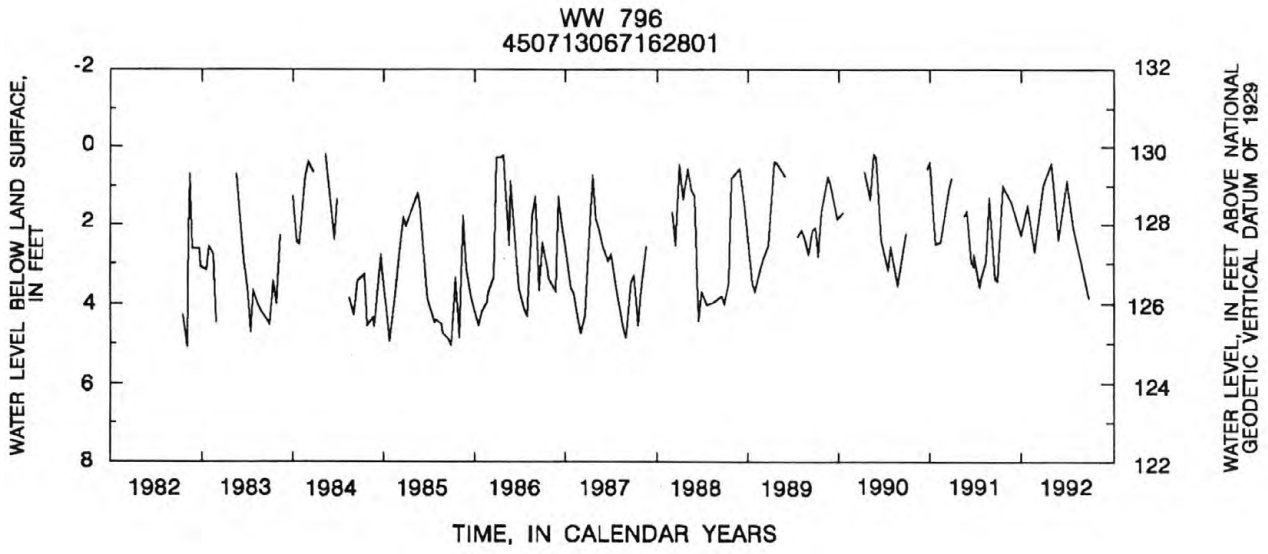
WASHINGTON COUNTY

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 observation artesian 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.--Measurement with chalked tape by local observer once a month.
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, Sept. 16, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	.98	DEC 27	2.27	FEB 25	2.68	APR 27	.42	JUN 29	.87	AUG 24	2.88
NOV 23	1.41	JAN 25	1.49	MAR 25	1.00	MAY 28	2.36	JUL 25	2.05	SEP 25	3.85

WATER YEAR 1992 HIGHEST .42 APR 27, 1992 LOWEST 3.85 SEP 25, 1992



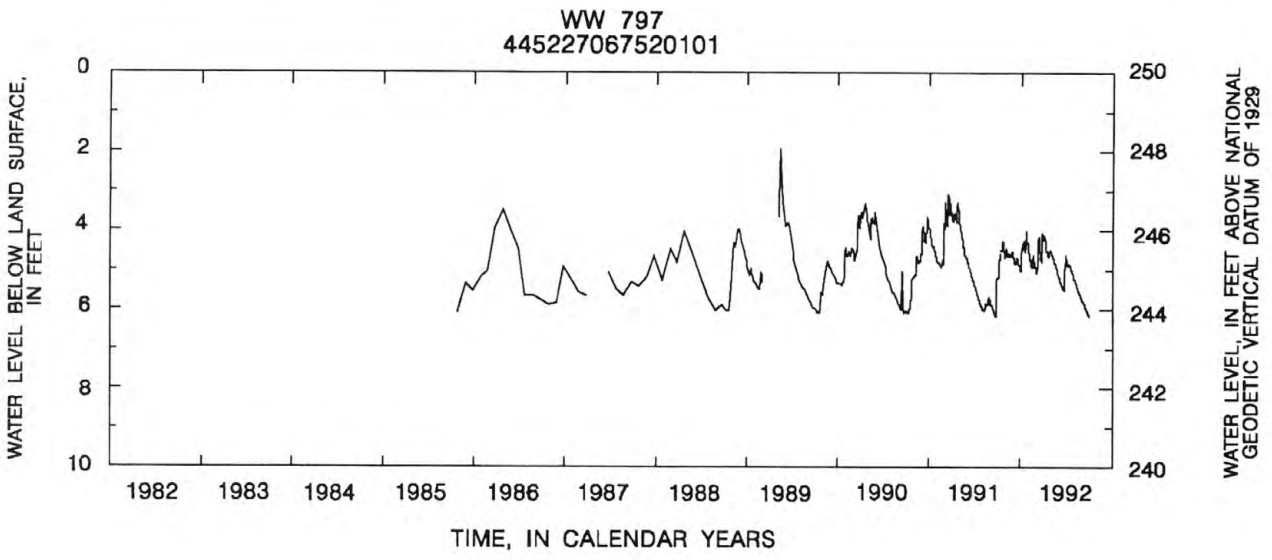
WASHINGTON COUNTY--Continued

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.
WELL CHARACTERISTICS.--A wash-bored 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, 7.29 ft below land-surface datum, Aug. 19, 1987.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.18	4.67	4.54	4.98	4.42	4.90	4.16	4.50	5.11	4.66	5.16	5.70
2	5.18	4.54	4.59	5.00	4.46	4.93	4.20	4.53	5.13	4.71	5.19	5.72
3	5.18	4.45	4.63	5.02	4.51	4.96	4.21	4.54	5.17	4.76	5.22	5.73
4	5.18	4.42	4.64	5.04	4.55	4.99	4.19	4.55	5.20	4.81	5.23	5.75
5	5.18	4.41	4.68	4.90	4.59	5.01	4.16	4.57	5.22	4.83	5.25	5.77
6	5.18	4.41	4.71	4.55	4.63	5.03	4.12	4.60	5.24	4.84	5.27	5.79
7	5.05	4.44	4.73	4.38	4.67	5.05	4.11	4.61	5.25	4.86	5.30	5.80
8	4.84	4.50	4.76	4.32	4.71	4.90	4.13	4.62	5.28	4.88	5.31	5.81
9	4.75	4.55	4.77	4.31	4.75	4.72	4.19	4.63	5.29	4.88	5.35	5.82
10	4.72	4.58	4.79	4.31	4.79	4.61	4.23	4.65	5.31	4.86	5.36	5.83
11	4.72	4.61	4.81	4.32	4.81	4.55	4.28	4.67	5.32	4.83	5.38	5.85
12	4.65	4.63	4.83	4.39	4.84	4.21	4.32	4.68	5.34	4.83	5.40	5.87
13	4.55	4.64	4.83	4.44	4.87	4.13	4.37	4.69	5.36	4.82	5.42	5.88
14	4.50	4.60	4.83	4.41	4.89	4.22	4.41	4.71	5.38	4.82	5.43	5.90
15	4.50	4.56	4.80	4.27	4.92	4.31	4.49	4.74	5.40	4.83	5.46	5.91
16	4.50	4.56	4.75	4.27	4.84	4.38	4.53	4.74	5.42	4.84	5.49	5.94
17	4.40	4.56	4.72	4.27	4.72	4.44	4.56	4.76	5.43	4.87	5.51	5.95
18	4.31	4.58	4.68	4.30	4.72	4.50	4.60	4.79	5.42	4.88	5.51	5.97
19	4.27	4.59	4.67	4.35	4.71	4.55	4.61	4.83	5.43	4.89	5.51	5.98
20	4.25	4.60	4.68	4.41	4.64	4.59	4.62	4.85	5.46	4.90	5.53	5.99
21	4.25	4.60	4.69	4.45	4.61	4.65	4.64	4.85	5.48	4.92	5.54	6.01
22	4.27	4.65	4.71	4.49	4.62	4.69	4.66	4.88	5.46	4.96	5.56	6.02
23	4.34	4.66	4.74	4.51	4.67	4.72	4.63	4.90	5.33	4.98	5.58	6.03
24	4.39	4.64	4.78	3.99	4.73	4.76	4.56	4.94	5.25	5.00	5.58	6.05
25	4.43	4.58	4.81	4.03	4.76	4.80	4.53	4.96	5.10	5.02	5.60	6.07
26	4.48	4.55	4.84	4.11	4.78	4.79	4.51	4.98	4.81	5.03	5.61	6.09
27	4.52	4.54	4.86	4.18	4.81	4.54	4.51	4.99	4.67	5.05	5.64	6.09
28	4.55	4.52	4.88	4.24	4.85	4.15	4.50	5.01	4.62	5.08	5.64	6.11
29	4.60	4.51	4.90	4.28	4.87	4.08	4.49	5.06	4.60	5.11	5.66	6.11
30	4.63	4.52	4.92	4.33	---	4.09	4.49	5.09	4.62	5.13	5.68	6.13
31	4.66	---	4.96	4.37	---	4.11	---	5.09	---	5.16	5.68	---
LOW	5.18	4.67	4.96	5.04	4.92	5.05	4.66	5.09	5.48	5.16	5.68	6.13
HIGH	4.25	4.41	4.54	3.99	4.42	4.08	4.11	4.50	4.60	4.66	5.16	5.70

WTR YR 1992 HIGH 3.99 JAN 24 LOW 6.13 SEP 30



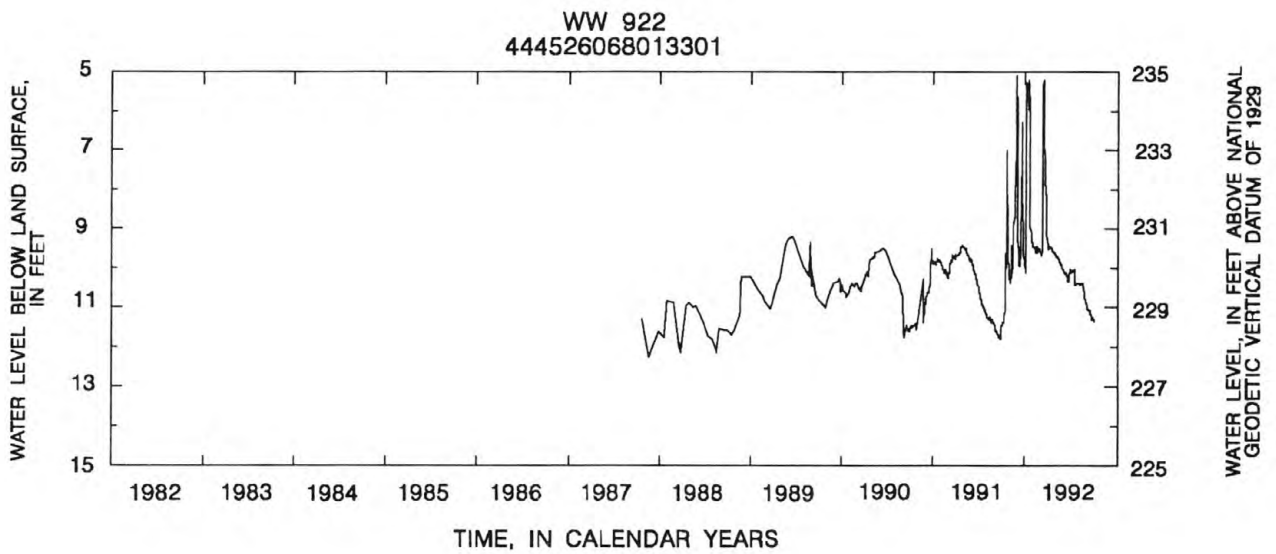
WASHINGTON COUNTY--Continued

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 observation well, diameter 2 in., Sept. 1987 measured depth 42 feet, screened 25 to 40 feet, screen slot size 0.006 in.
INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.
DATUM.--Elevation of land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--Oct. 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.18 ft below land-surface datum, June 18, 1989; lowest measured, 12.26 ft below land-surface datum, Nov. 19, 1987.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.45	10.24	6.99	9.92	9.38	9.57	9.50	9.66	10.05	10.04	10.36	10.94
2	11.41	10.21	8.32	9.98	9.44	9.61	9.51	9.66	10.07	10.06	10.36	10.96
3	11.38	10.22	8.81	10.04	9.46	9.62	9.48	9.66	10.09	10.08	10.36	10.99
4	11.38	10.30	9.24	10.09	9.47	9.62	9.46	9.68	10.11	10.10	10.37	10.99
5	11.38	10.37	9.58	9.02	9.45	9.65	9.46	9.70	10.12	10.09	10.41	11.01
6	11.37	10.27	9.74	5.25	9.47	9.66	9.46	9.71	10.13	10.08	10.41	11.02
7	11.29	10.17	9.82	5.28	9.49	9.68	9.49	9.73	10.10	10.06	10.41	11.03
8	11.23	9.90	9.86	5.30	9.45	9.58	9.49	9.73	10.09	10.06	10.40	11.05
9	11.20	9.60	9.91	5.34	9.44	7.40	9.49	9.72	10.09	10.05	10.39	11.06
10	11.19	9.43	9.90	5.37	9.47	6.44	9.49	9.72	10.12	10.03	10.38	11.06
11	11.12	10.23	9.88	5.41	9.50	6.21	9.50	9.73	10.14	10.03	10.37	11.07
12	11.05	10.15	9.86	5.54	9.53	5.33	9.48	9.74	10.17	10.06	10.37	11.09
13	10.73	9.91	9.83	5.88	9.59	5.20	9.47	9.75	10.18	10.04	10.37	11.11
14	9.63	9.67	9.97	5.94	9.58	5.43	9.49	9.76	10.18	10.19	10.36	11.13
15	9.59	9.51	9.76	5.19	9.61	5.43	9.50	9.79	10.19	10.31	10.36	11.15
16	9.99	9.25	7.53	5.20	9.53	5.91	9.52	9.84	10.21	10.43	10.38	11.17
17	7.54	9.05	6.25	5.21	9.46	6.57	9.52	9.85	10.25	10.42	10.40	11.18
18	6.99	8.89	6.25	5.90	9.47	6.93	9.52	9.85	10.27	10.42	10.41	11.19
19	8.06	8.68	6.78	6.62	9.47	7.18	9.55	9.87	10.30	10.42	10.45	11.20
20	7.96	8.47	7.10	6.93	9.48	7.30	9.55	9.88	10.32	10.41	10.61	11.23
21	7.91	8.34	7.96	7.13	9.50	7.51	9.56	9.90	10.33	10.41	10.64	11.28
22	8.47	8.43	8.89	8.06	9.51	7.72	9.59	9.91	10.32	10.40	10.68	11.27
23	9.15	8.28	9.33	8.94	9.52	7.88	9.59	9.92	10.20	10.39	10.72	11.23
24	9.52	6.97	9.57	9.05	9.56	8.37	9.58	9.93	10.18	10.38	10.75	11.24
25	9.72	5.96	9.68	9.16	9.58	8.57	9.58	9.95	10.16	10.38	10.77	11.27
26	9.81	5.07	9.70	9.26	9.53	8.57	9.59	9.96	10.08	10.37	10.80	11.28
27	9.90	5.07	9.74	9.33	9.49	8.87	9.60	9.96	10.06	10.37	10.82	11.30
28	10.00	5.13	9.78	9.34	9.54	9.04	9.61	9.96	10.05	10.37	10.84	11.30
29	10.13	5.54	9.87	9.32	9.53	9.19	9.62	9.99	10.04	10.36	10.85	11.30
30	10.15	5.65	9.92	9.32	---	9.38	9.64	10.02	10.03	10.36	10.87	11.33
31	10.19	---	9.91	9.34	---	9.47	---	10.05	---	10.36	10.92	---
LOW	11.45	10.37	9.97	10.09	9.61	9.68	9.64	10.05	10.33	10.43	10.92	11.33
HIGH	6.99	5.07	6.25	5.19	9.38	5.20	9.46	9.66	10.03	10.03	10.36	10.94

WTR YR 1992 HIGH 5.07 NOV 26, 27 LOW 11.45 OCT 1



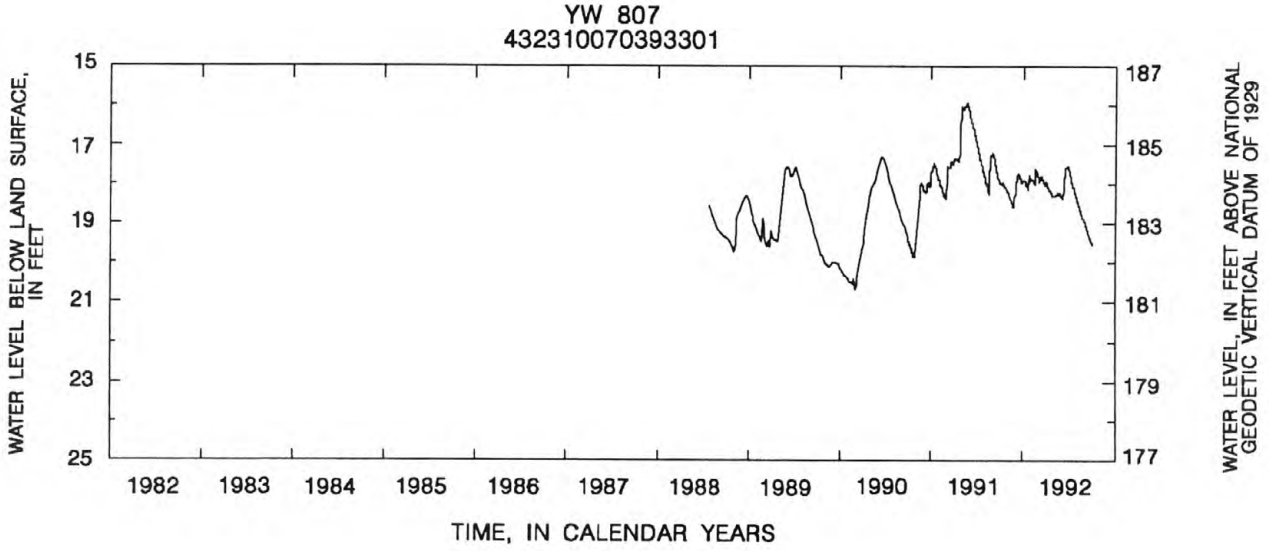
YORK COUNTY

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 observation well, diameter 2 in., measured depth 39 ft, screened depth 34 to 39 feet, screen slot size 0.010 in.
INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.
DATUM.--Elevation of land-surface datum is 202 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum.
PERIOD OF RECORD.--July 1988 to current year. Records prior to July 1988 have not been published, but are available in the files of the 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.97	18.19	18.14	17.93	17.86	17.80	17.95	18.30	18.31	17.62	18.40	18.98
2	17.97	18.22	18.07	17.93	17.86	17.85	17.92	18.29	18.31	17.65	18.42	18.99
3	17.96	18.24	18.00	17.93	17.87	17.87	17.94	18.29	18.32	17.68	18.44	19.02
4	17.99	18.24	17.94	17.92	17.86	17.90	17.95	18.30	18.34	17.70	18.45	19.04
5	17.99	18.25	17.91	17.89	17.86	17.91	17.98	18.30	18.36	17.72	18.48	19.06
6	17.96	18.28	17.84	17.90	17.87	17.94	18.02	18.30	18.31	17.75	18.50	19.08
7	17.97	18.30	17.81	17.93	17.87	17.91	18.02	18.31	18.29	17.81	18.52	19.10
8	17.99	18.32	17.79	17.97	17.87	17.81	18.02	18.30	18.29	17.83	18.54	19.13
9	18.00	18.34	17.76	17.96	17.90	17.85	18.05	18.25	18.27	17.84	18.56	19.14
10	17.98	18.34	17.74	17.95	17.94	17.88	18.05	18.26	18.18	17.89	18.58	19.15
11	17.95	18.35	17.74	18.00	17.91	17.83	18.08	18.26	18.09	17.91	18.59	19.17
12	17.96	18.37	17.76	18.03	17.96	17.78	18.07	18.25	17.99	17.94	18.62	19.18
13	18.00	18.40	17.73	18.03	17.95	17.78	18.10	18.24	17.89	17.96	18.64	19.20
14	18.01	18.40	17.72	17.96	17.96	17.79	18.11	18.24	17.83	17.98	18.66	19.22
15	18.02	18.43	17.73	17.97	17.99	17.81	18.13	18.26	17.75	18.00	18.67	19.23
16	18.02	18.46	17.75	18.01	17.70	17.83	18.16	18.26	17.72	18.04	18.70	19.25
17	18.02	18.46	17.76	18.03	17.59	17.82	18.17	18.24	17.67	18.06	18.73	19.28
18	18.03	18.46	17.77	18.06	17.62	17.86	18.19	18.21	17.63	18.08	18.73	19.30
19	18.04	18.51	17.85	18.08	17.60	17.87	18.20	18.25	17.59	18.10	18.75	19.31
20	18.04	18.52	17.85	18.08	17.64	17.89	18.22	18.23	17.57	18.13	18.80	19.33
21	18.05	18.53	17.82	18.08	17.67	17.92	18.23	18.23	17.57	18.16	18.83	19.35
22	18.07	18.54	17.84	18.13	17.69	17.92	18.25	18.21	17.54	18.21	18.84	19.37
23	18.07	18.56	17.84	18.04	17.71	17.94	18.26	18.21	17.52	18.22	18.86	19.39
24	18.09	18.55	17.86	17.76	17.75	17.98	18.28	18.23	17.52	18.23	18.87	19.39
25	18.10	18.58	17.91	17.85	17.74	18.00	18.28	18.24	17.52	18.26	18.88	19.42
26	18.12	18.58	17.94	17.89	17.70	18.02	18.30	18.24	17.53	18.27	18.89	19.46
27	18.13	18.54	17.94	17.91	17.68	17.99	18.30	18.24	17.54	18.29	18.90	19.47
28	18.15	18.44	17.91	17.91	17.73	17.97	18.31	18.27	17.55	18.31	18.91	19.49
29	18.16	18.32	17.90	17.89	17.76	18.00	18.30	18.30	17.58	18.32	18.93	19.49
30	18.16	18.24	17.92	17.87	---	18.00	18.30	18.30	17.59	18.35	18.94	19.53
31	18.18	---	17.93	17.84	---	17.97	---	18.30	---	18.37	18.96	---
LOW	18.18	18.58	18.14	18.13	17.99	18.02	18.31	18.31	18.36	18.37	18.96	19.53
HIGH	17.95	18.19	17.72	17.76	17.59	17.78	17.92	18.21	17.52	17.62	18.40	18.98

WTR YR 1992 HIGH 17.52 JUN 23-25 LOW 19.53 SEP 30



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 8 ft above ground and protected with an alter windshield. Potentiometer output is recorded on a data logger.

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

RAINFALL ACCUMULATED (INCHES), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.1	.0	.0	.2	.0	.0	.0	.6	.0	.5	.1
2	.2	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
3	.1	.0	.6	.0	.0	.0	.1	.0	.0	.0	.0	1.0
4	.0	.0	.2	.2	.1	.0	.0	.0	.5	.5	1.0	.1
5	.0	.0	.0	.6	.2	.0	.0	.0	.0	.0	.1	.0
6	4.2	.0	.0	.0	.0	.0	.0	.0	1.8	.3	.0	.1
7	.0	.0	.3	.0	.0	.1	.0	.0	.1	.0	.0	.0
8	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0
9	.0	.0	.3	.0	.2	.0	.0	.0	.0	.8	.2	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2
11	.0	1.4	.0	.0	.0	2.2	.7	.1	.0	.1	.0	.2
12	.8	.1	.0	.0	.0	.1	.5	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14	.0	.0	.2	1.2	.0	.0	.0	.1	.3	.2	.0	.0
15	.1	.0	.2	.1	.6	.0	.0	.0	.1	.1	.1	.0
16	1.7	.2	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
18	.4	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3	.0
19	.1	.0	.0	.0	.3	.0	.1	.0	.0	1.4	.2	.3
20	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.2	.0	.0
21	.0	.0	.1	.0	.1	.0	.0	.0	.2	.1	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.7
23	.0	.5	.0	1.1	.0	.0	.1	.0	.0	.0	.0	.2
24	.0	.4	.0	.4	.0	.0	.8	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.1	.0	.1	.0	.2	.0	.0	.0
26	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.1	2.8	.0	.0	.0	.0	.0	.3
28	.1	.0	.0	.0	.1	2.6	.0	.0	.1	.0	.1	.0
29	.0	.0	.6	.0	.2	.5	.0	.0	.0	.0	1.4	.0
30	.0	.0	.2	.0	---	.0	.0	.0	.0	.0	.0	.0
31	.4	---	.0	.0	---	.0	---	.1	---	.4	.0	---
TOTAL	8.1	3.1	3.0	3.6	3.1	8.5	3.1	0.3	6.8	4.6	4.0	3.2

CAL YR 1991 TOTAL 50.3
WTR YR 1992 TOTAL 51.4

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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