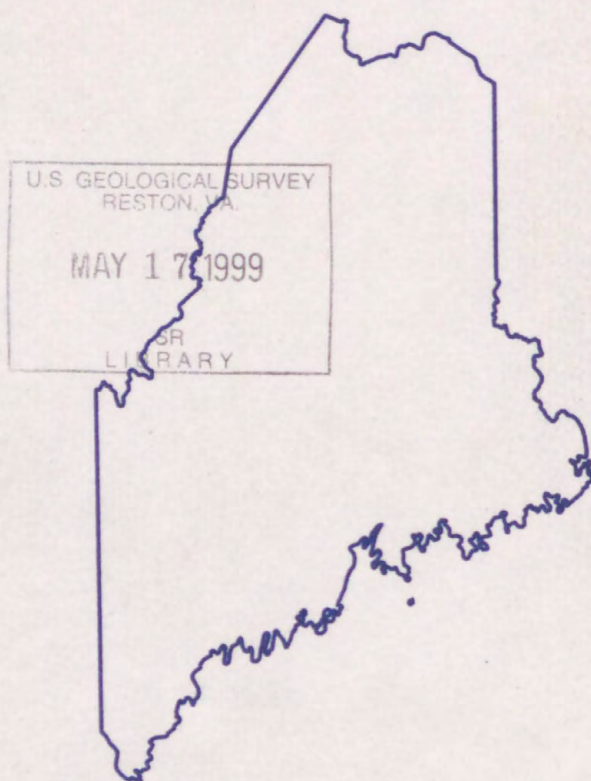


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Water Resources Data Maine Water Year 1996



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-96-1
Prepared in cooperation with the State of Maine
and with other agencies

CALENDAR FOR WATER YEAR 1996

1995

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4						1	2
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
15	16	17	18	19	20	21	11	12	13	14	15	16	17	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30
														31						

1996

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

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

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



Water Resources Data Maine Water Year 1996

by J.P. Nielsen, R.G. Lippert, and J.M. Caldwell



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-96-1
Prepared in cooperation with the State of Maine
and with other agencies

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

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

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Augusta, ME 04330

PREFACE

This volume of the annual hydrologic data report of Maine is one of a series of annual reports that document data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Gloria L. Morrill prepared the illustrations for the report.

This report was prepared in cooperation with the State of Maine and with other agencies under the general supervision of Richard A. Fontaine, Maine District Chief.

REPORT DOCUMENTATION PAGEForm Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE March 1997	3. REPORT TYPE AND DATES COVERED Annual-October 1, 1995 to September 30, 1996	
4. TITLE AND SUBTITLE Water Resources Data - Maine Water Year 1996			5. FUNDING NUMBERS	
6. AUTHOR(S) J.P. Nielsen, R.G. Lippert, J.M. Caldwell				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Geological Survey, Water Resources Division 26 Ganneston Drive Augusta, Maine 04330			8. PERFORMING ORGANIZATION REPORT NUMBER USGS-WDR-ME-96-1	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Geological Survey, Water Resources Division 26 Ganneston Drive Augusta, Maine 04330			10. SPONSORING / MONITORING AGENCY REPORT NUMBER USGS-WDR-ME-96-1	
11. SUPPLEMENTARY NOTES Prepared in cooperation with the State of Maine and other agencies				
12a. DISTRIBUTION / AVAILABILITY STATEMENT No restriction on distribution. This report may be purchased from National Technical Information Service, Springfield, Virginia 22161			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) The Water Resources Division of the U.S. Geological Survey, in cooperation with State, Federal, and other local governmental agencies, obtains a large amount of data pertaining to the water resources of Maine each year. These data, accumulated during the many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. Water-resources data for the 1996 water year for Maine consists of records of stage, discharge, and water quality of streams; and water levels of ground-water wells. This report contains discharge records for 46 gaging stations, water-quality data for 4 gaging stations; and water levels for 31 ground-water wells. Additional water data were collected at other sites, not part of the systematic data-collection program, and are published as miscellaneous measurements.				
14. SUBJECT TERMS *Maine, *Hydrologic Data, *Surface Water, *Ground Water, *Water Quality, Flow Rate, Gaging Stations, Chemical Analyses, Water Temperature, Sediments, Sampling Sites, Water Levels, Water Analyses			15. NUMBER OF PAGES 173	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT	

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

NORTH ATLANTIC SLOPE BASINS	Station number	Page
ST. JOHN RIVER BASIN		
St. John River at Ninemile Bridge (d)	01010000	26
Big Black River near Depot Mountain (d)	01010070	28
St. John River at Dickey (d)	01010500	30
Allagash River near Allagash (d)	01011000	32
St. Francis River at outlet of Glasier Lake, near Connors, New Brunswick (d)	01011500	34
Fish River near Fort Kent (d)	01013500	36
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St. Croix River at Vanceboro (d)	01018500	44
Grand Lake Stream at Grand Lake Stream (d)	01019000	46
St. Croix River at Baring (d)	01021000	48
St. Croix River at Milltown (m)	01021050	50
DENNYS RIVER BASIN		
Dennys River at Dennysville (d)	01021200	54
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Narraguagus River:		
East Branch Bear Brook near Beddington (d)	01022294	56
West Branch Bear Brook near Beddington (d)	01022295	58
Narraguagus River at Cherryfield (d)	01022500	60
PENOBSCOT RIVER BASIN		
Penobscot River:		
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Piscataquis River near Dover-Foxcroft (d)	01031500	64
Piscataquis River at Medford (d)	01034000	66
Penobscot River at West Enfield (d)	01034500	68
Penobscot River at Eddington (d)	01036390	70
SHEEPSCOT RIVER BASIN		
Sheepscot River at North Whitefield (d)	01038000	72
KENNEBEC RIVER BASIN		
Kennebec River at The Forks (d)	01042500	74
Kennebec River at Bingham (d)	01046500	76
Carrabassett River near North Anson (d)	01047000	78
Sandy River near Mercer (d)	01048000	80
Sebasticook River near Pittsfield (d)	01049000	82
Kennebec River near Waterville (d)	01049205	84
Cobbosseecontee Stream at Gardiner (d)	01049500	86

NORTH ATLANTIC SLOPE BASINS--ContinuedStation
number

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Umbagog Lake:

Magalloway River:

Diamond River near Wentworth Location, NH (d).....	01052500	88
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Swift River near Roxbury (d).....	01055000	100
Androscoggin River at Jay (m).....	01055100	102
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Presumpscot River at Outlet of Sebago Lake (d).....	01064000	120
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Saco River at Cornish (d).....	01066000	128

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AROOSTOOK COUNTY

Well 471457068353001 Local number ARW 890	139
Well 463642069344601 Local number ARW 891	140
Well 464234068010401 Local number ARW 895	141
Well 464259067572901 Local number ARW 906	142

CUMBERLAND COUNTY

Well 435453070013601 Local number CW 26	143
Well 435902070171301 Local number CW 1382	144
Well 435653070201801 Local number CW 1383	145

FRANKLIN COUNTY

Well 451128070280301 Local number FW 893	146
Well 443831070002601 Local number FW 901	147
Well 450539070301301 Local number FW 908	148

HANCOCK COUNTY

Well 444950068220602 Local number HW 1A	149
Well 441440068182701 Local number HW 137	150

KENNEBEC COUNTY

Well 441849069442001 Local number KW 52	151
Well 440918069564001 Local number KW 766	152
Well 440810069553601 Local number KW 872A	153
Well 441533069452401 Local number KW 881	154
Well 442233069490701 Local number KW 882	155

OXFORD COUNTY

Well 443647070552302 Local number OW 400A	156
Well 440642070583402 Local number OW 615A	157
Well 442515070481002 Local number OW 616A	158
Well 440823070291501 Local number OW 1214	159

PENOBSCOT COUNTY

Well 445319068560101 Local number PEW 456	160
Well 453629068531801 Local number PEW 594	161

PISCATAQUIS COUNTY

Well 452829069322101 Local number PIW 2	162
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SOMERSET COUNTY

Well 445148069513301 Local number SMW 61	163
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WALDO COUNTY

Well 443407069020901 Local number WOW 82	164
Well 442822069081301 Local number WOW 85	165

WASHINGTON COUNTY

Well 450713067162801 Local number WW 796	166
Well 445227067520101 Local number WW 797	167
Well 444526068013301 Local number WW 922	168

YORK COUNTY

Well 432310070393301 Local number YW 807	169
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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

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

Station Name	Station Number	Drainage Area (mi ²)	Period of Record (Water Year)
St. John River Basin			
Shields Branch Big Black River near Seven Islands, ME (d)	01010100	158	1977-80
St. John River above Fish River at Fort Kent, ME (d)	01012500	4,764	1906-15
Clayton Stream at outlet of Clayton Lake, ME (d)	01012515	13.0	1982-84
Bald Mountain Brook near Bald Mountain, ME (d)	01012520	1.69	1981-84
Bishop Mountain Brook near Bishop Mountain, ME (d)	01012525	1.04	1982-84
Fish River at inlet of Fish River Lake, ME (d)	01012570	70.3	1982-84
St. John River at Van Buren, ME (d)	01015000	8,174	1908-28
Machias River near Ashland, ME (d)	01016500	329	1951-83
Aroostook River at Fort Fairfield, ME (d)	01017500	2,301	1904-10
Marley Brook near Ludlow, ME (d)	01017900	1.47	1964-82
Meduxnekeag River near Houlton, ME (d)	01018000	175	1941-82
St. Croix River Basin			
St. Croix River near Baileyville, ME (d)	01020000	1,315	1920-83
Machias River Basin			
Machias River at Whitneyville, ME (d)	01021500	458	1906-09 1910-21 1929-77
East Machias River near East Machias, ME (d)	01022000	^a 251	1927-58
Pleasant River Basin			
Taylor Brook at the Great Heath, ME (d)	01022250	7.06	1980-82
Pleasant River near Epping, ME (d)	01022260	60.6	1980-91
Union River Basin			
West Branch Union River at Amherst, ME (d)	01023000	148	1910-19 1929-79
Garland Brook near Mariaville, ME (d)	01024200	9.79	1964-82
Green Lake Stream at Lakewood, ME (d)	01025000	^a 47.0	1910-11 1913-13
Branch Lake Stream near Ellsworth, ME (d)	01026000	^a 31.0	1910-13
Penobscot River Basin			
West Branch Penobscot River near Medway, ME (d)	01028000	^a 2,115	1917-40
East Branch Penobscot River at Grindstone, ME (d)	01029500	1,086	1903-03 1905-06 1908-82
Penobscot River near Mattawamkeag, ME (d)	01030000	3,356	1940-91
Mattawamkeag River at Mattawamkeag, ME (d)	01031000	^a 1,500	1903-34
Morrison Brook near Sebec Corners, ME (d)	01031600	4.35	1964-78
Sebec River at Sebec, ME (d)	01033000	326	1925-82 1985-93
Pleasant River near Milo, ME (d)	01033500	323	1920-79
Passadumkeag River at Lowell, ME (d)	01035000	297	1916-79
Cold Stream at Enfield, ME (d)	01035500	^a 28.5	1904-07
Penobscot River at Passadumkeag, ME (d)	01036000	^a 7,000	1939-58
Kenduskeag Stream near Kenduskeag, ME (d)	01036500	176	1942-79
Kenduskeag Stream near Bangor, ME (d)	01037000	^a 195	1909-19
Damariscotta River Basin			
Tributary A, Little Pond near Damariscotta (d)	01037700	0.31	1977-78
Kennebec River Basin			
Moose River near Rockwood, ME (d)	01039000	^a 708	1920-25

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

Station Name	Station Number	Drainage Area (mi ²)	Period of Record (Water Year)
Kennebec River Basin—Continued			
Moosehead Lake at East Outlet, ME (e)	01040500	1,268	1895-94
Kennebec River at Moosehead, ME (d)	01041000	1,268	1920-82
Dead River near Dead River, ME (d)	01043500	516	1940-82
Dead River at The Forks, ME (d)	01045000	867	1903-07 1911-79
Austin Stream at Bingham, ME (d)	01046000	90.0	1932-69
Sandy River near Farmington, ME (d)	01047500	242	1911-15
Wilson Stream at East Wilton, ME (d)	01047730	45.8	1977-84
Kennebec River at Waterville, ME (d)	01048500	4,228	1894-35
Johnson Brook at South Albion, ME (d)	01049130	2.92	1980-91
Cold Brook near North Belgrade, ME (d)	01049218	0.85	1978-79
Hatchery Brook at North Belgrade, ME (d)	01049221	8.83	1978-79
Kennebec River at North Sidney, ME (d)	01049265	5,403	1979-93
Stony Brook near South Vassalboro, ME (d)	01049270	2.99	1979-80
North Branch Tanning Brook near Manchester, ME (d)	01049300	0.93	1964-83
Mill Stream at Winthrop, ME (d)	01049373	32.7	1978-92
Jock Stream at South Monmouth, ME (d)	01049396	13.7	1978-83
Cobbosseecontee Lake at East Winthrop, ME (e)	01049400	131	1975-92
Togus Stream at Togus, ME (d)	01049550	23.7	1982-95
Androscoggin River Basin			
Ellis River at South Andover, ME (d)	01054300	130	1963-82
Pennesseewassee Lake Outlet at Norway, ME (d)	01057510	^a 30.3	1982-83
Thompson Lake Outlet at Oxford, ME (d)	01058005	47.7	1975-78 1981-83
Little Androscoggin River near Auburn, ME (d)	01058500	328	1941-82
Hooper Brook at Sprague Mill, ME (d)	01059090	8.30	1978-80
Sabattus River at Lisbon Center, ME (d)	01059160	72.5	1975-77
Cathance River near Topsham, ME (d)	01059500	36.4	1953-55
Royal River Basin			
Collyer Brook near Gray, ME (d)	01059800	13.8	1965-82
Presumpscot River Basin			
Presumpscot River at Westbrook, ME (d)	01064118	577	1976-95
Stroudwater River Basin			
Stroudwater River at South Portland, ME (d)	01064158	27.6	1975-77
Saco River Basin			
Ossipee River at Effingham Falls, NH (d)	01065000	330	1942-90
Little Ossipee River near South Limington, ME (d)	01066500	168	1940-82
Saco River at West Buxton, ME (d)	01067000	^a 1,572	1908-16 1919-40
Saco River at Salmon Falls, ME (d)	01067500	1,593	1939-48
Sandy Brook above landfill near Saco, ME (d)	01067851	1.28	1993-94
Sandy Brook below landfill near Saco, ME (d)	01067853	1.42	1993-94
Mousam River Basin			
Littlefield River at Alfred, ME (d)	01068980	22.4	1978-80
Mousam River near West Kennebunkport, ME (d)	01069500	99.0	1940-84
Webhannet River Basin			
Blacksmith Brook at Wells, ME (d)	01069800	^a 2.48	1975-76
Piscataqua River Basin			
Salmon Falls River near South Lebanon, ME (d)	01072500	140	1929-69

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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

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

Discontinued continuous-recording surface-water-quality monitor stations

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record (water year)
St. John River Basin				
St. John River at Ninemile Bridge, ME	01010000	1,341	sc,wt	1976-80
St. John River at Dickey, ME	01010500	2,680	sc,wt sd	1975-80 1976
Allagash River near Allagash, ME	01011000	1,229	sc,wt sd	1975-80 1976
St. John River above Fish River at Ft. Kent, ME	01012500	4,764	sc,wt	1977-80
St. John River at Van Buren, ME	01015000	8,174	sc,wt	1979-81
St. John River near Hamlin, ME	01015010	8,236	sc,wt,do pH	1989-95 1989-94
Aroostook River at Caribou, ME	01017100	1,943	sc,wt	1976-81
St. Croix River Basin				
St. Croix River at Baring, ME	01021000	1,374	wt	1960-76
Dennys River Basin				
Dennys River at Dennysville, ME	01021200	92.9	wt	1959-72
Narraguagus River Basin				
Narraguagus River at Cherryfield, ME	01022500	227	sc,wt	1978-81
Penobscot River Basin				
Piscataquis River near Dover-Foxcroft, ME	01031500	298	wt	1987-89
Penobscot River at West Enfield, ME	01034500	6,671	wt sc	1966-78 1974-78
Penobscot River at Eddington, ME	01036390	7,764	sc,pH,wt,do	1979-94
Sheepscot River Basin				
Sheepscot River at North Whitefield, ME	01038000	145	wt sc	1958-71 1974-76 1974-76
Kennebec River Basin				
Kennebec River at Bingham, ME	01046500	2,715	sc,wt	1976-78
Kennebec River at North Sidney, ME	01049265	5,403	sc,pH,wt,do	1979-94
Androscoggin River Basin				
Wild River at Gilead, ME	01054200	69.6	wt	1964-83 1992-93
Androscoggin River at Turner Bridge, ME	01055700	2,840	wt sc,do	1981, 1995 1995
Gulf Island Pond near Lewiston, ME	01056000	2,863	sc,wt,do	1981-95
Androscoggin River at North Bridge at Auburn, ME	01056600	2,907	wt,do	1988-95
Androscoggin River below Dressers Rips near Auburn, ME	01059010	3,263	sc,pH,wt,do	1988-95
Androscoggin River at Brunswick, ME	01059400	3,434	sc,wt	1981

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—Continued
Discontinued continuous-recording surface-water-quality monitor stations—Continued

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record (water year)
Presumpscot River Basin				
Presumpscot River near West Falmouth, ME	01064140	598	sc,pH,wt,do	1976-93
Saco River Basin				
Saco River at Cornish, ME	01066000	1,293	sc,wt	1975-81

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—Continued

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

There is a broad range of water-quality parameters available for most stations whose record exceeds more than a few years operation. Sampling schedules are often intermittent for certain types of data, with analyses available for some but not all years within a station's period of record. A description of the variety of data available is shown by grouping similar parameters into lettered record types. **Chemical data (c)** includes most of the "major ions," and may include some of the following physical properties: specific conductance, pH, temperature, color, turbidity, dissolved oxygen; **Minor element data (e)** comprises the "heavy metals" and some of the "alkaline earth" groups. Determinations usually include some but not all of the following: Al, As, Ba, Cd, Cr, Co, Cu, Hg, Li, Ni, Pb, Se, Sn, Sr, Zn; **Radiochemical data (r)** reports determinations of the concentrations of individual radioactive element, such as radium 226, cobalt 60, strontium 90, and tritium. This category also includes the gross measurement of radioactivity (alpha, beta, gamma) without regard to the radiochemical species that produce the radioactivity; **Pesticide data (p)** are organic compound (insecticides and herbicides) used to control insects and plants. Routinely, the analyses search for traces of between 12 to 22 compounds; **Organic data (o)** includes organic data (other than pesticides) such as OC, PCB, and PCN; **Nutrient data (n)** are constituents containing nitrogen or phosphorus. Results usually include several of the following: nitrite plus nitrate, phosphorus, ammonia nitrogen, organic nitrogen, ammonia nitrogen plus organic nitrogen (Kjeldahl method); **Biological data (b)** reports the identification and concentrations of microscopic plant organisms (phytoplankton, periphyton), or enteric bacteria (total coliform, fecal coliform or fecal streptococcal) living in aquatic habitats; and **Sediment data (s)** includes suspended-sediment concentration, suspended-sediment discharge, and particle-size data for discrete samples.

Discontinued surface-water-quality sampling stations

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
St. John River Basin				
St. John River at Ninemile Bridge, ME	01010000	1,341	c,e,n	1981 (5)
Big Black River near Seven Islands, ME	01010080	304	c,e,n	1981 (5)
Shields Branch Big Black River near Seven Islands, ME	01010100	158	c,e,n	1981 (5)
Little Black River near Dickey, ME	01010480	264	c,e,n	1981 (5)
St. John River at Dickey, ME	01010500	2,680	c,e,n	1952-53 (2), 1975 (2), 1981 (5)
Allagash River near Allagash, ME	01011000	1,229	c,e,n	1952-53 (2), 1975 (2), 1981 (5)
St. John River at Lincoln School, ME	01011400	4,014	c,e,n	1981 (5)
Fish River near Fort Kent, ME	01013500	873	c,e,n	1954 (2)
St. John River below Fish River, at Ft. Kent, ME	01014000	5,665	c,e,n	1954-55 (4)
St. John River at Van Buren, ME	01015000	8,174	c,e,o,n,b,s	1979-94 (105)
Aroostook River at Washburn, ME	01017000	1,654	c,e,n	1952-53 (3)
Aroostook River at Caribou, ME	01017100	1,943	c,e,p,o,n,b,s	1975-85 (111)
Aroostook River at Fort Fairfield, ME	01017500	2,301	e	1971 (1)
St. Croix River Basin				
St. Croix River at Vanceboro, ME	01018500	413	c,e,n	1955 (2)
Grand Lake Stream at Grand Lake Stream, ME	01019000	227	c,e,n	1954 (2)
St. Croix River near Baileyville, ME	01020000	1,315	c,e,r,p,n,b	1952-53 (2), 1972-74 (9)
St. Croix River at Baring, ME	01021000	1,374	e	1971 (1)
St. Croix River at Milltown, ME	01021050	1,455	c,e,r,p,o,n,b,s	1969-91 (132)
Machias River Basin				
Machias River at Whitneyville, ME	01021500	457	c,e,n	1952-53 (2)
East Machias River near East Machias, ME	01022000	^a 251	c,e,n	1955 (2)
Narraguagus River Basin				
Narraguagus River at Cherryfield, ME	01022500	227	c,e,o,n,b,s	1954 (2), 1978-86 (69)

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Discontinued surface-water-quality sampling stations--Continued

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
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)
Sebec River at Sebec, ME	01033000	326	c,e,n	1954 (2)
Pleasant River near Milo, ME	01033500	323	c,e,n	1955 (2)
Piscataquis River at Medford, ME	01034000	1,162	c,e,n	1952-53 (2)
Penobscot River at West Enfield, ME	01034500	6,671	c,e,r,o,n,b,s	1952 (1), 1955 (2), 1961 (3), 1966-78 (151)
Passadumkeag River at Lowell, ME	01035000	297	c,e,n	1955 (2)
Penobscot River at Passadumkeag, ME	01036000	^a 7,000	c,e,n	1954 (2)
Penobscot River at Orono, ME	-----	7,710	e	1971 (1)
Penobscot River at Eddington, ME	01036390	7,764	c,e,r,o,n,b,s	1979-94 (87)
Kenduskeag Stream near Kenduskeag, ME	01036500	176	c,e,n	1955 (2)
Sheepscot River Basin				
Sheepscot River at North Whitefield, ME	01038000	145	c,e,n	1955 (2)
Kennebec River Basin				
Moosehead Lake at East Outlet, ME	01040500	1,268	c,e,n	1958 (2)
Kennebec River at the Forks, ME	01042500	1,590	c,e,n	1952-53 (2)
Dead River near Dead River, ME	01043500	516	c,e,n	1954-55 (2)
Dead River at the Forks, ME	01045000	876	c,e,n	1952-53 (2)
Austin Stream at Bingham, ME	01046000	90.0	c,e,n	1958 (2)
Kennebec River at Bingham, ME	01046500	2,715	c,e,r,o,n,b,s	1952-54 (3), 1966-78 (148)
Carrabassett River near North Anson, ME	01047000	353	c,e,n,r	1953-54 (2), 1961 (3)
Sandy River near Mercer, ME	01048000	516	c,e,n	1954 (2)
Kennebec River at Waterville, ME	01048500	4,228	e	1971 (1)
Sebasticook River near Pittsfield, ME	01049000	572	c,e,n	1952-53 (2)
Kennebec River at North Sidney, ME	01049265	5,403	c,e,o,n,b,s	1979-93 (105), 1995 (3)
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)

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—Continued

Discontinued surface-water-quality sampling stations—Continued

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
Androscoggin River Basin—Continued				
Androscoggin River at 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	75.8	c,e,n	1958 (5)
Little Androscoggin River near Auburn, ME	01058500	328	c,e,n,s	1953 (2)
Androscoggin River near Auburn, ME	01059000	3,263	c,e,o,n,b,s	1952 (1), 1954 (2), 1956 (1), 1966-75 (117)
Androscoggin River at Brunswick, ME	01059400	3,434	c,e,o,n,b,s	1976-93 (130), 1995 (3)
Presumpscot River Basin				
Presumpscot River at Outlet of Sebago Lake, ME	01064000	441	c,e,n	1953 (2), 1971 (1)
Presumpscot River near West Falmouth, ME	01064140	598	c,e,o,n,b,s	1973-74 (12), 1976-95 (99)
Presumpscot River at Martin Point Bridge, ME	01064150	647	c,e,r,p,o,n,b	1969-73 (15)
Portland Harbor near Fish Point, ME	01064160	---	c,e,r,p,o,n,b	1969-73 (15)
Portland Harbor at Four River Bridge, ME	01064170	---	c,e,r,p,o,n,b	1969-74 (18)
Saco River Basin				
Ossipee River at Cornish, ME	01065500	452	c,e,n	1954 (2)
Little Ossipee River near South Limington, ME	01066500	168	c,e,n	1954-55 (2)
Saco River at Cornish, ME	01066000	1,293	c,e,o,n,b,s	1954 (2), 1975-95 (174)
Saco River at Salmon Falls, ME	01067500	1,593	c,e,n	1953-55 (5)
Mousam River Basin				
Mousam River near West Kennebunk, ME	01069500	99.0	c,e,n	1953 (2)
Piscataqua River Basin				
Salmon Falls River near South Lebanon, ME	01072500	140	c,e,n	1954-55 (2), 1958 (5)

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

DISCONTINUED GROUND-WATER OBSERVATION WELLS

The following continuous-record ground-water observation wells in Maine have been discontinued. Records were collected and published for the period of record shown for each well.

Well Number	Local Number	County	Locality	Aquifer	Period of Record
440227070124101	ANW 1	Androscoggin	Auburn	Marine deposits - clay	1959-76
440438070261601	ANW 986	"	Poland	Ice-contact deposits	1976-83
440730070035303	ANW 988B	"	Sabattus	Ice-contact deposits	1976-83
440730070035304	ANW 988C	"	Sabattus	Outwash	1976-89
464619068280401	ARW 1	Aroostook	Portage Lake	Glacial till	1943-83
464807068284401	ARW 1A	"	Portage Lake	Bedrock	1976-91
455611068194601	ARW 2	"	Sherman Mills	Glacial till-bedrock	1943-70 1975-78
460657067512201	ARW 3	"	Houlton	Bedrock	1958-75
460728067513201	ARW 61	"	Houlton	Ice-contact deposits	1980-83
460855067552201	ARW 887	"	Ludlow	Glacial till	1976-81
464018068010101	ARW 904	"	Presque Isle	Bedrock	1986-87
464239067574401	ARW 905	"	Presque Isle	Bedrock	1986-90
464303067592201	ARW 907	"	Presque Isle	Glacial Till	1986-91
444950068220601	HW 1	Hancock	Amherst	Glacial till	1943-91
442023069553801	KW 88	Kennebec	East Winthrop	Bedrock	1967-83
443647070552301	OW 400	Oxford	Middle Dam	Glacial till	1944-92
441507070310201	OW 413	"	South Paris	Outwash	1976-78
440642070583401	OW 615	"	Fryeburg	Outwash	1978-91
442515070481001	OW 616	"	Bethel	Outwash	1978-89
444720068523001	PEW 33	Penobscot	Hermon	Bedrock	1958-60
444953068424701	PEW 401	"	Veazie	Ice-contact deposits	1963-67
451047068512201	PEW 455	"	Lagrange	Glacial till	1975-83
451955068344501	PEW 457	"	South Lincoln	Ice-contact deposits	1982-89
444219069545801	SMW 1	Somerset	Mercer	Eolian deposits	1943-83
450234069525701	SMW 48	"	Bingham	Ice-contact deposits	1981-83
454105070170201	SMW 49	"	Dennistown	Glacial till	1981-83
454105070170202	SMW 49A	"	Dennistown	Glacial till	1981-83
442858068593201	WOW 78	"	Belfast	Ice-contact deposits	1981-83
442858068593202	WOW 79	"	Belfast	Ice-contact deposits	1981-83
442822069080901	WOW 84	"	Morrill	Glacial till	1989-91
444240067283501	WW 1	Washington	Machias	Bedrock	1958-83
444950067000501	WW 2	"	Lubec	Terminal moraine deposits	1958-83
443754067384401	WW 901	"	Carr Hill	Ice-contact deposits - till	1985-88
444500068011601	WW 921	"	Deblois	Glacial till	1988-91
434822070482501	YW 1	York	Cornish	Outwash	1943-83
432611070404601	YW 834	"	South Sanford	Glacial sand and gravel	1989-91

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Maine each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Maine." This report series includes records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 46 gaging stations, water quality data at 4 gaging stations, and water levels at 31 observation wells. Locations of these sites are shown on figures 1 and 2. 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-96-1." These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

Data published in these water-data reports is also available through the world wide web at:

<http://water.usgs.gov>

Currently, this site includes surface-water discharge data through water year 1993, peak-discharge data through water year 1994, and water-quality sample data through water year 1995.

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,
R. Lovaglio, Commissioner
Maine Department of Human Services
K. Concannon, Commissioner
Maine Department of Transportation,
J.G. Melrose, Commissioner
Maine Department of Environmental Protection,
N.O. Sullivan, Commissioner
University of Maine,
P.D. Uttormark, Assistant Vice President
Greater Portland Council of Governments,
J. D. Bubier, Executive Director
Kennebec Valley Council of Governments,
E. Keene, Executive Director
Northern Maine Development Commission,
R. Clark, Executive Director
Portland Water District
D. Jellis, General Manager
Town of Jay,
C. Knight, Town Manager
Town of Windham
T. LaPlante, Town Manager*

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

WATER RESOURCES DATA - MAINE 1996

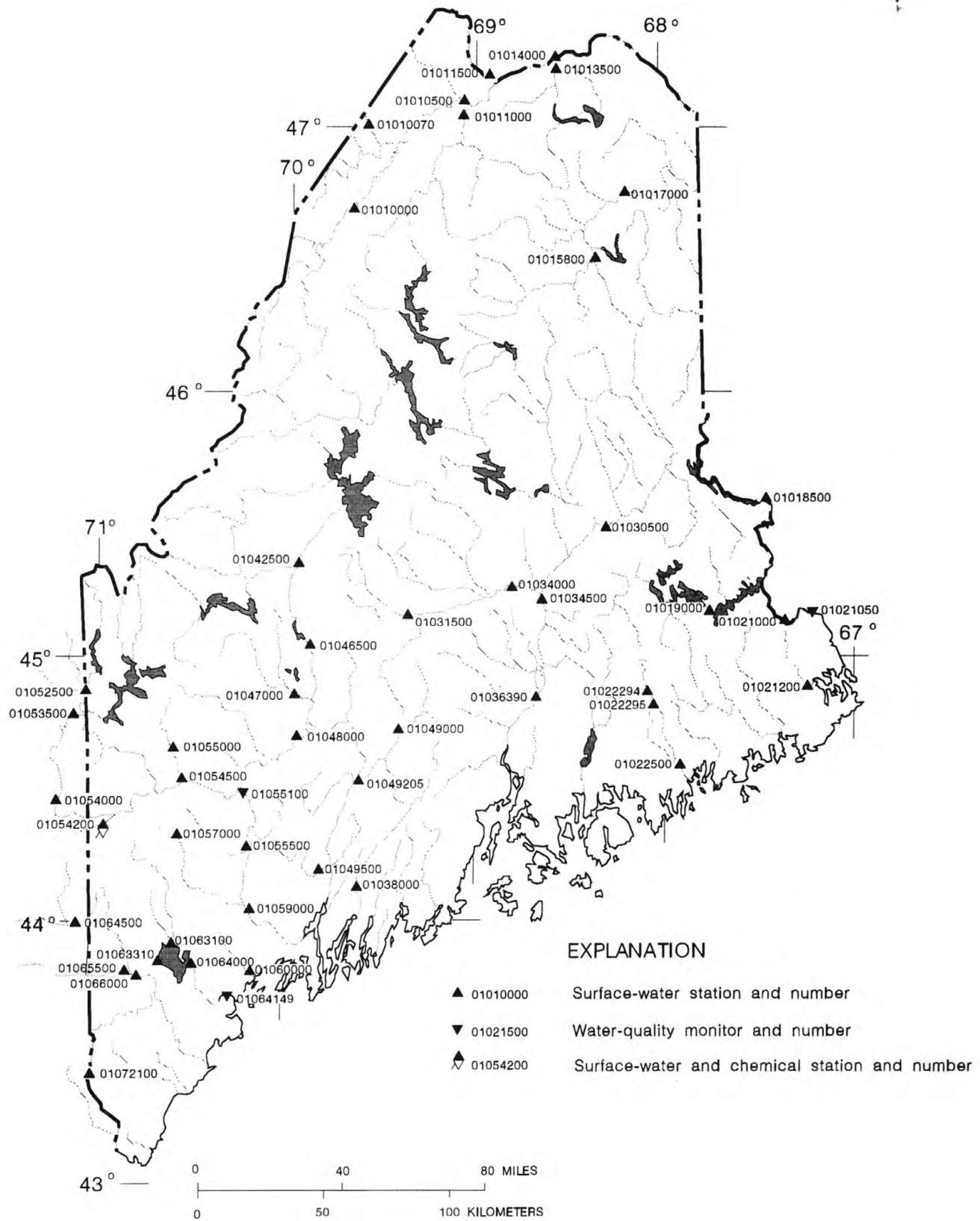


Figure 1.--Location of active surface-water and water-quality gaging stations.

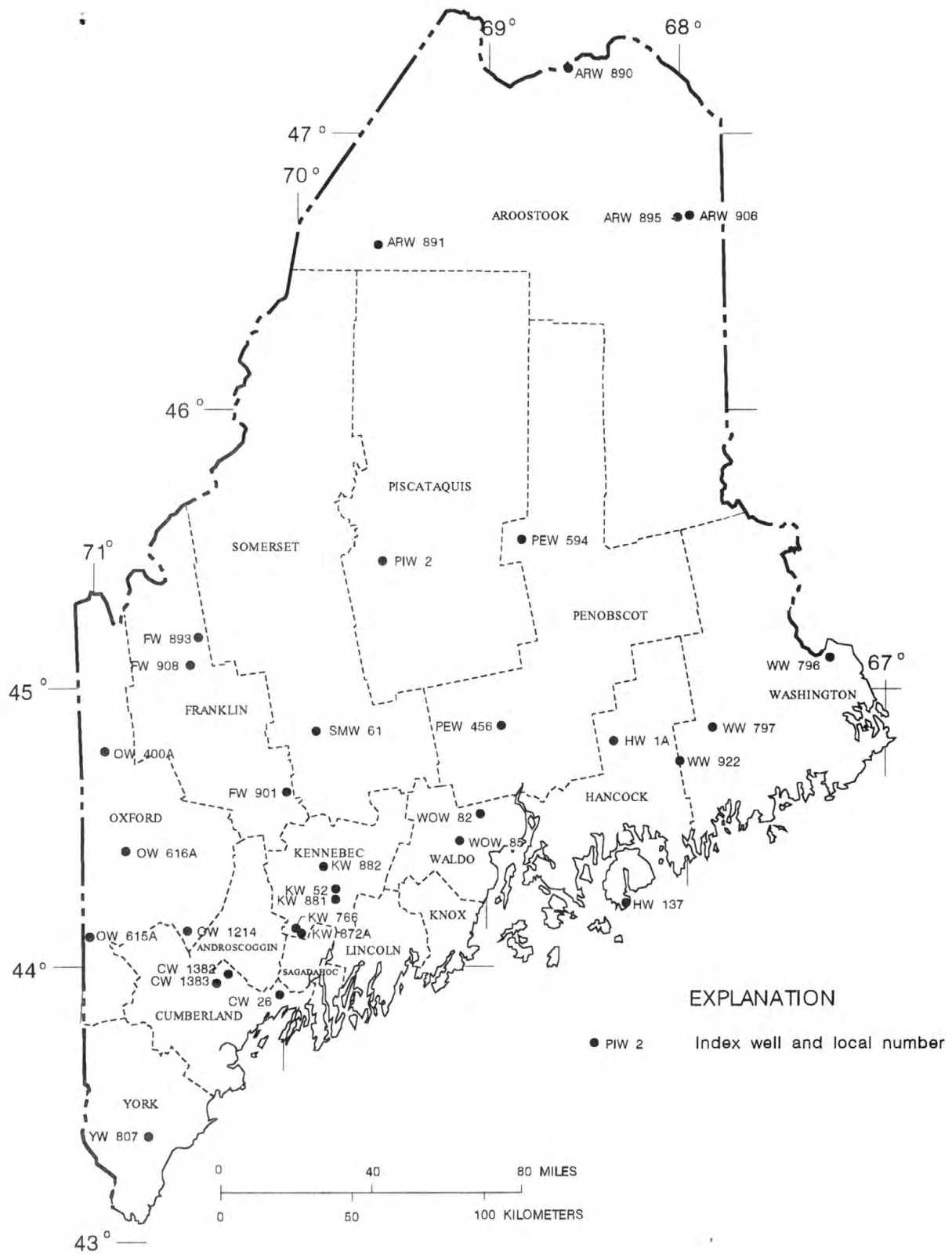


Figure 2.--Location of active ground-water data collection stations.

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

Bangor Hydro-Electric Company
Boise Cascade
Central Maine Power Company
Consolidated Hydro
Georgia-Pacific Corporation
Kennebec Water Power Company
Maine Public Service
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 1996 water year was characterized by flows in the above-normal range following the record below-normal flows in water year 1995 (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 above-normal range at 40 of 41 sites and in the normal range at 1 site (station 01011500). Record high annual runoff was recorded at 10 sites, predominantly in the upper Kennebec and Androscoggin River basins. Annual peak flows had less than a 2-year recurrence interval at 3 sites, a 2- year to 5-year recurrence interval at 26 sites, a 5-year to 10-year recurrence interval at 8 sites, a 10-year to 25-year recurrence interval at 3 sites, and a 25-year to 50-year recurrence interval at 1 site (station 01054200). The greatest recurrence interval peak flows were associated with several runoff events in the upper Androscoggin River basin. Minimum flows at 22 sites were at flows which have been equaled or exceeded 99 percent of the time, minimum flows at 11 sites were at flows which have been equaled or exceeded 95 to 98 percent of the time, and minimum flows at 8 sites were at flows which have been equaled or exceeded 80 to 95 percent of the time. Minimum flows at 31 sites were recorded in October, at the end of the extreme low-flow period of water year 1995. The 1996 monthly and annual mean discharges and the median monthly and annual discharges for the 1961-90 reference period are shown in figure 3 for three long-term index stations. Monthly runoff conditions for Maine are summarized in figure 4.

Usable surface-water storage in six reservoir systems in Maine, as reported by river basin managers, totaled 91,502 million cubic feet (ft^3) at the beginning of the water year, which was the minimum month-end storage for the water year; this volume is 53 percent of capacity and is below the long-term average storage for the beginning of water year

(table 1). The maximum month-end storage during water year 1996 occurred at the end of May, when storage was 167,914 million ft^3 . Usable storage at the end of the water year was 117,866 million ft^3 (68 percent of capacity and above the long-term average).

Table 1. Total usable storage in six Maine reservoir systems for the 1996 water year, expressed as percent of total capacity of 174,187 million cubic feet

Month	Storage at month end (percent)	Long-term average (percent)
September	53	61
October	58	56
November	81	59
December	71	59
January	79	52
February	74	43
March	58	39
April	86	71
May	96	89
June	96	87
July	93	79
August	78	69
September	68	60

Precipitation, as reported by the National Weather Service, ranged from 112 to 156 percent of normal at 10 sites in Maine. Table 2 summarizes annual precipitation data at the 10 selected sites during the 1996 water year.

Table 2. --Precipitation at selected locations in Maine for the 1996 water year

Station Location	Precipitation		Departure (inches)	Percentage of normal
	Annual Oct.-Sept. (inches)	Normal Oct.-Sept. (inches)		
Fort Kent	44.31	36.11	+8.20	123
Caribou	43.60	36.60	+7.00	119
Houlton	48.62	38.49	+10.13	126
Brassua Dam	62.37	39.95	+22.42	156
Jackman	55.81	37.41	+18.40	149
Woodland	55.21	44.87	+10.34	123
Middle Dam	52.14	35.85	+16.29	145
Waterville	54.14	41.05	+13.09	132
Lewiston	52.29	45.30	+6.99	115
Portland	49.61	44.34	+5.27	112

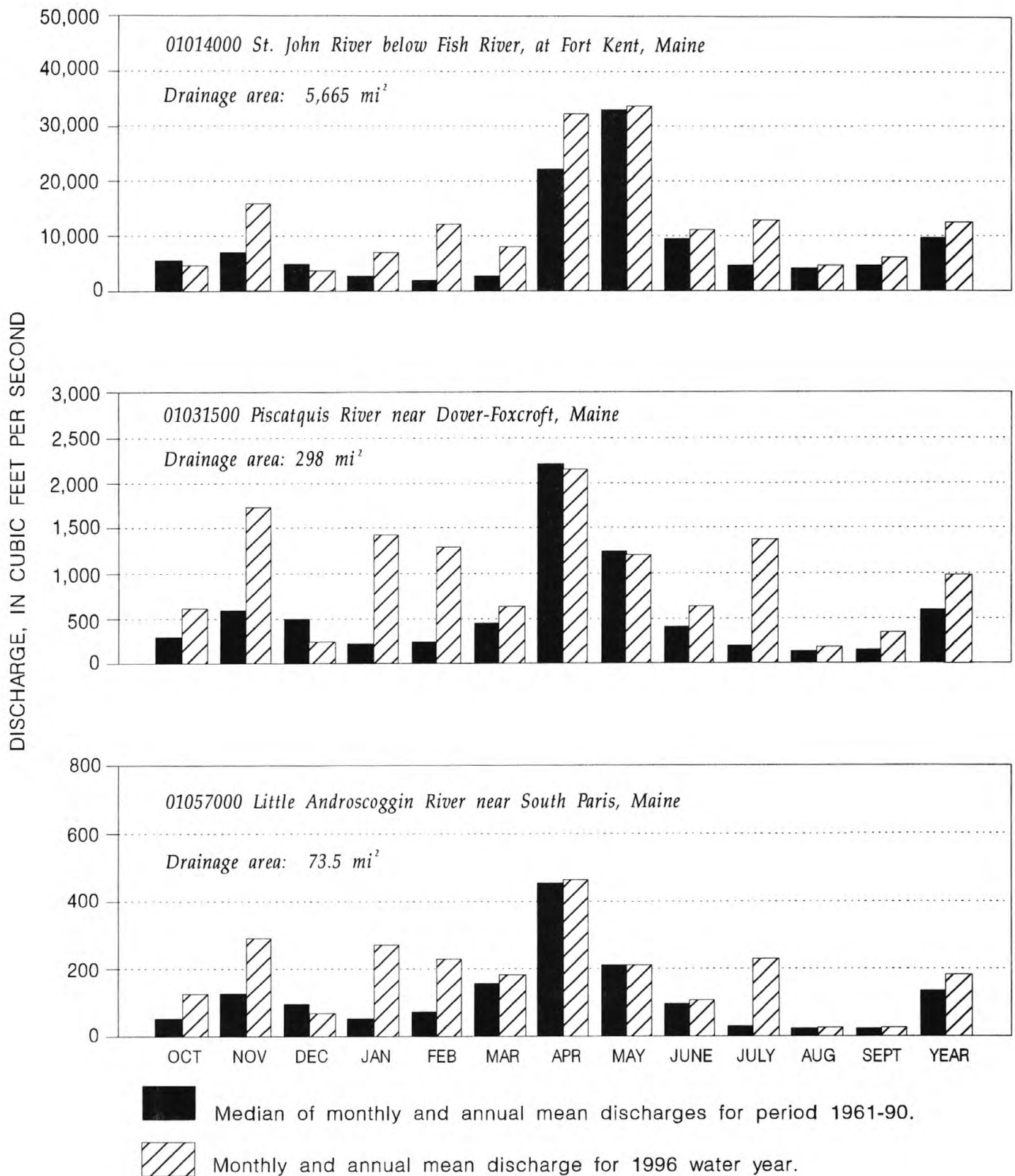


Figure 3.--Comparison of mean discharge at three long-term index gaging stations during 1996 water year with median discharge for period 1961-90.

WATER RESOURCES DATA - MAINE 1996

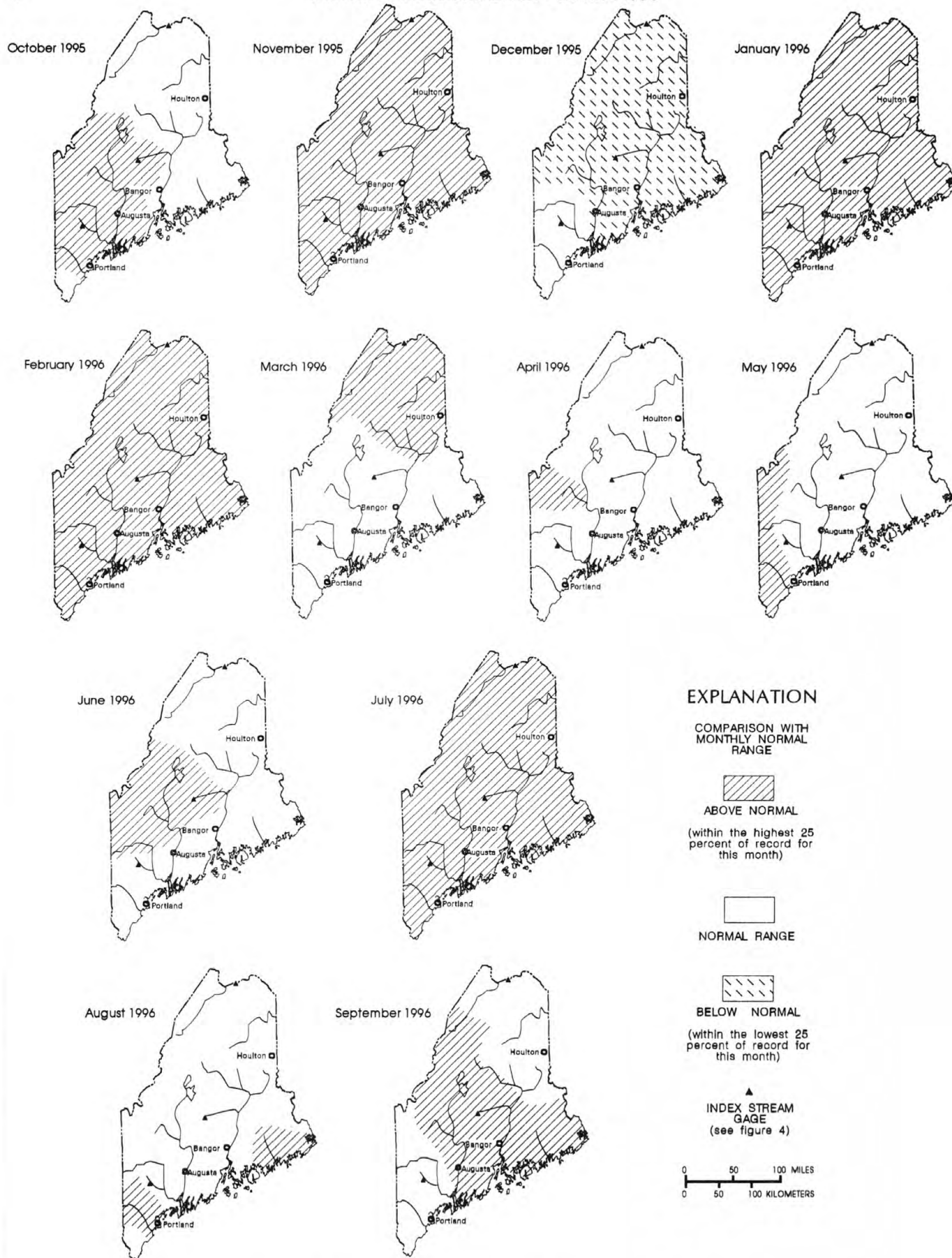


Figure 4.--Monthly surface-water conditions during the 1996 water year in Maine.

Analyses of surface-water samples and associated discharge data at the Hydrologic Benchmark station (Wild River at Gilead) indicated no significant changes in chemical or biological quality from previous years. All values of the constituents analyzed were within the historical extremes for this site.

Three continuous recording monitoring stations for specific conductance, dissolved oxygen, water temperature and (at one monitor) pH were operated in water-year 1996. The monitor on the Presumpscot River near Falmouth recorded new minimum water temperature and specific conductance values. The monitor on the Androscoggin River at Jay also recorded a new minimum specific conductance value. Generally, recorded water temperature and specific conductance values were lower and dissolved oxygen values higher than in previous years at all three sites. This reflects the generally cool, wet conditions in Maine during the summer of 1996.

The ground-water observation well network consisted of 31 wells during the 1996 water year. Month-end ground-water levels for Maine are summarized in figure 5.

Record ground-water levels were recorded during the water year at the following wells where data have been collected for at least 10 years. A new all-time record high was recorded at Eustis (FW893) in July and at Madison (SMW61) in February. New record month-end low levels for October were recorded at Parson's Road (ARW 895), Eustis (FW893), and Madison (SMW61). Record month-end high levels were recorded at Clayton Lake (ARW891) in November, January, and July; at Parson's Road (ARW895) in January, February, and July; at Simplot Till (ARW906) in November, December, February, April, July, August, and September; at Eustis (FW893) in March, May, June, July, August, and September; at Acadia Park (HW 137) in November, May, July, August, and September; at Piggery Road (KW881) in January; at Madison (SMW61) in February, March, May, July, August, and September; at Calais (WW796) in January and July; and at Hadley Lakes (WW797) in January, February, and July.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1996 water year that began October 1, 1995, and ended September 30, 1996. 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 and 2. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether stream site or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous measurements are made.

Downstream Order System

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

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

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number and has no locational significance. In the

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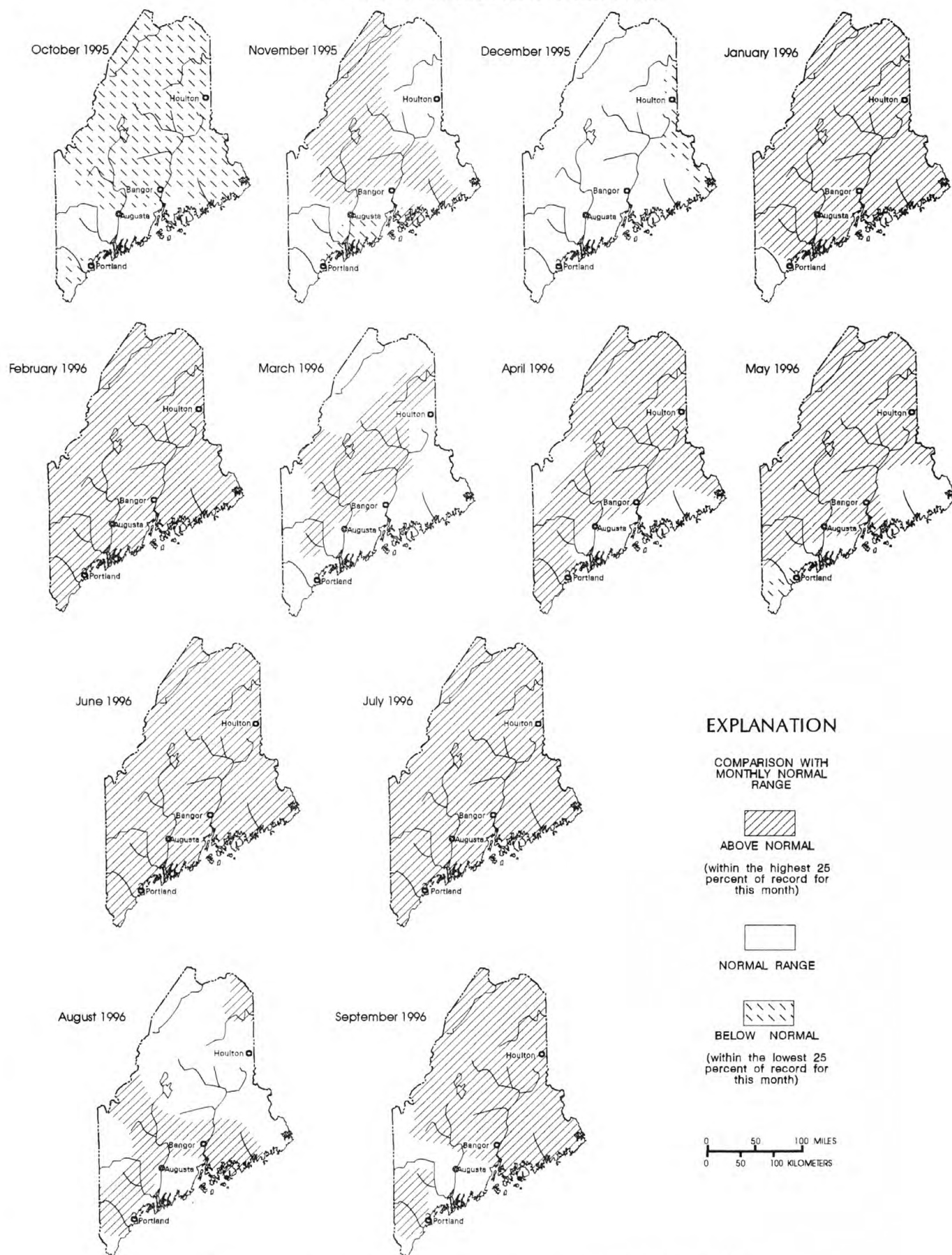


Figure 5.--Month-end ground-water conditions during the 1996 water year in Maine.

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 6.)

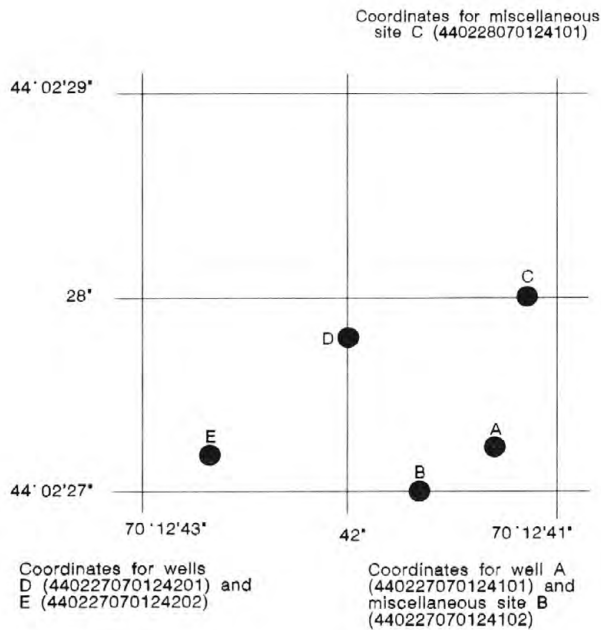


Figure 6.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record stations for which data are given in this report are shown in figure 1.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage, with digital recorders that punch stage values on paper tapes at selected time intervals, or with electronic data loggers which collect, store, and transmit data via satellite. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, Water-Supply Paper 2175, and U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For many stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for

other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables which define the relationship between stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. Periodic resurveys may be necessary to determine if the stage-content relationship changes because of deposition of sediment in a lake or reservoir. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

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

The records published for each continuous-record surface-water discharge station (gaging station) consist of five parts, the manuscript or station description; the data table of daily mean values of discharge for the current water

year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and a hydrograph of the daily mean values of discharge for the current water year.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

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

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

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

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

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

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

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

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

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

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

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

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish

to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ____-____", will consist of all of the station record within the specified water

years, inclusive, including months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

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

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

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

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

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

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

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

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

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

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are

stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (see address on back title page of this report.)

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

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

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

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

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

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

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

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

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

Hydrograph

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value.

Discharges listed for partial-record stations and miscellaneous sites are given to the nearest hundredth of a cubic foot per second for values less than 10 ft³/s and to 3 significant figures for more than 10 ft³/s. An exception is made for discharge measurements made with volumetric techniques (see TWRI, Book 3, Chapter A8) which are given to the nearest thousandth of a cubic foot per second for values less than 0.10 ft³/s. Measurements made using volumetric techniques are footnoted in the table of miscellaneous measurements.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents to reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Miscellaneous Records

Data collected at miscellaneous sites are presented in a table following the information for continuous sites. This table summarizes discharge measurements made at sites other than continuous-record sites.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Maine District Office. Also, most of the daily mean discharges are in computer readable form and have

been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the Maine District Office.

Records of Surface-Water Quality

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

Classification of records

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

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

Arrangement of Records

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is to assure that the data obtained represent the in-situ quality of the water. To do this, certain measurements, such as water temperature, pH, alkalinity, dissolved oxygen, and specific conductance need to be made on-site when the samples are taken. To assure that measurements made in the laboratory

also represent the in-situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory.

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

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

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

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

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

Water temperature

Water temperatures are measured at all water-quality stations. 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 dis-

charges. At stations where recording instruments are used, both mean, maximum, and minimum temperatures for each day are published.

Sediment

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

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

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

Laboratory Measurements

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

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

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, and extremes for parameters currently measured daily. Tables of water-quality data, including chemical, physical, biological, radiochemical data, and so forth, obtained at

a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, and dissolved oxygen data from water-quality monitor recorders follow in sequence.

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

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

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

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

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

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

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

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

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

Remark Codes

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

PRINTED OUTPUT	REMARK
E	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 2.

Data Collection and Computation

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

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

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

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

greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot.

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

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

ACCESS TO WATSTORE DATA

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

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

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

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

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

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

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

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

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or floppy disk. 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).

DEFINITION OF TERMS

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

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

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

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

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

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

Cubic foot per second (ft³/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 [(ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

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

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

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

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31).

The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

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

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

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

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

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

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

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

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

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination

on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

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

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

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

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

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

The classification is as follows:

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

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

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

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

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

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

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

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

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

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approxi-

mately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

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

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

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

Solute is any substance that is dissolved in water.

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

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

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

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

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

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

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

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.)

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends, thus, the year ending September 30, 1991, is called the "1991 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

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

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L. C. Friedman, editors: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 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.
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- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L. J. Torak: USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.
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- 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.
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- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
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Low's Bridge (Original)
at Dover-Foxcroft Gage
April 25, 1983
11,700 cfs

SURFACE-WATER-DISCHARGE AND SURFACE-WATER-QUALITY RECORDS

Remarks Codes

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

PRINTED OUTPUT**REMARK**

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

Dissolved Trace-Element Concentrations

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

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46°42'00", long 69°42'59", Aroostook County, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.

DRAINAGE AREA.--1,341 mi².

PERIOD OF RECORD.--Discharge: October 1950 to current year.

Chemical analyses: Water years 1976, 1981.

Specific conductance: October 1975 to September 1980.

Water temperatures: October 1975 to September 1980.

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

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

REMARKS.--Records good, except for period of doubtful gage-height record, Apr. 24 to Aug. 6, which is fair, and period of ice effect, Nov. 25 to Apr. 23, which is poor. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,400 ft³/s, Apr. 24, gage height, 10.24; maximum gage height, 15.15 ft, Apr. 22 (backwater from ice); minimum discharge, 115 ft³/s, Sept. 8,9, gage height 0.68 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	6250	e795	e340	e3000	e5500	e775	15200	3590	1280	1330	221
2	352	4580	e750	e337	e2780	e4700	e800	19100	2720	1110	1210	198
3	327	5670	e700	e333	e2500	e3800	e840	16300	2140	949	1550	182
4	283	8940	e660	e333	e2300	e3200	e875	13100	1780	1230	1670	166
5	254	8200	e630	e333	e2100	e2800	e880	10700	1610	2770	1440	152
6	252	6010	e600	e330	e1810	e2300	e865	8610	1860	3440	1110	140
7	262	4500	e580	e328	e1670	e2000	e940	6710	1990	3780	872	129
8	375	5170	e560	e325	e1580	e1800	e980	5450	2010	3460	687	118
9	858	6490	e540	e323	e1400	e1600	e1060	4810	2040	5120	646	153
10	953	5280	e520	e322	e1300	e1450	e1040	4230	1740	5010	1690	197
11	828	4030	e500	e322	e1200	e1300	e1020	4020	1500	3570	2370	335
12	747	3810	e480	e321	e1130	e1200	e1150	7250	1390	2690	1770	468
13	728	5500	e465	e320	e1070	e1100	e1260	11200	1220	2450	1190	444
14	656	5330	e450	e320	e1020	e1050	e1450	10600	2130	2560	863	483
15	637	4800	e440	e319	e980	e1020	e1690	8400	2520	3950	676	10100
16	1190	8190	e430	e319	e940	e990	e2000	6340	2090	3890	559	13800
17	1500	9230	e420	e318	e895	e980	e2480	4890	1630	3650	474	10400
18	1290	7460	e410	e325	e860	e990	e3400	4010	1320	2710	444	6870
19	1010	5480	e395	e480	e845	e995	e4500	4150	1070	2030	448	4370
20	824	4210	e385	e780	e830	e920	e6700	7570	857	3230	451	2960
21	684	3490	e380	e1400	e840	e945	e9490	9830	785	7140	408	2160
22	1090	2990	e375	e5600	e1300	e930	e17300	9950	1630	6690	395	1650
23	3930	2610	e380	e6100	e4500	e890	e25500	8140	2290	4670	399	1280
24	3670	2310	e390	e5800	e9200	e845	30500	5830	3460	3490	386	1030
25	2800	e1690	e390	e5550	e9500	e830	26200	4150	3450	3570	397	864
26	2150	e1400	e380	e5200	e9200	e810	22600	3110	3810	3440	378	749
27	1700	e1130	e370	e4900	e8100	e816	25200	2390	3320	3920	470	655
28	2790	e1000	e380	e4600	e7300	e835	23900	2010	2410	3820	410	598
29	13000	e905	e375	e4150	e6300	e880	19000	1900	1850	3020	338	682
30	12000	e845	e360	e3750	---	e890	14200	2960	1500	2250	286	1130
31	8990	---	e345	e3300	---	e800	---	4220	---	1680	249	---
TOTAL	66513	137500	14835	57478	86450	49166	248595	227130	61712	102569	25566	62684
MEAN	2146	4583	479	1854	2981	1586	8286	7327	2057	3309	825	2089
MAX	13000	9230	795	6100	9500	5500	30500	19100	3810	7140	2370	13800
MIN	252	845	345	318	830	800	775	1900	785	949	249	118
CFSM	1.60	3.42	.36	1.38	2.22	1.18	6.18	5.46	1.53	2.47	.61	1.56
IN.	1.85	3.81	.41	1.59	2.40	1.36	6.90	6.30	1.71	2.85	.71	1.74

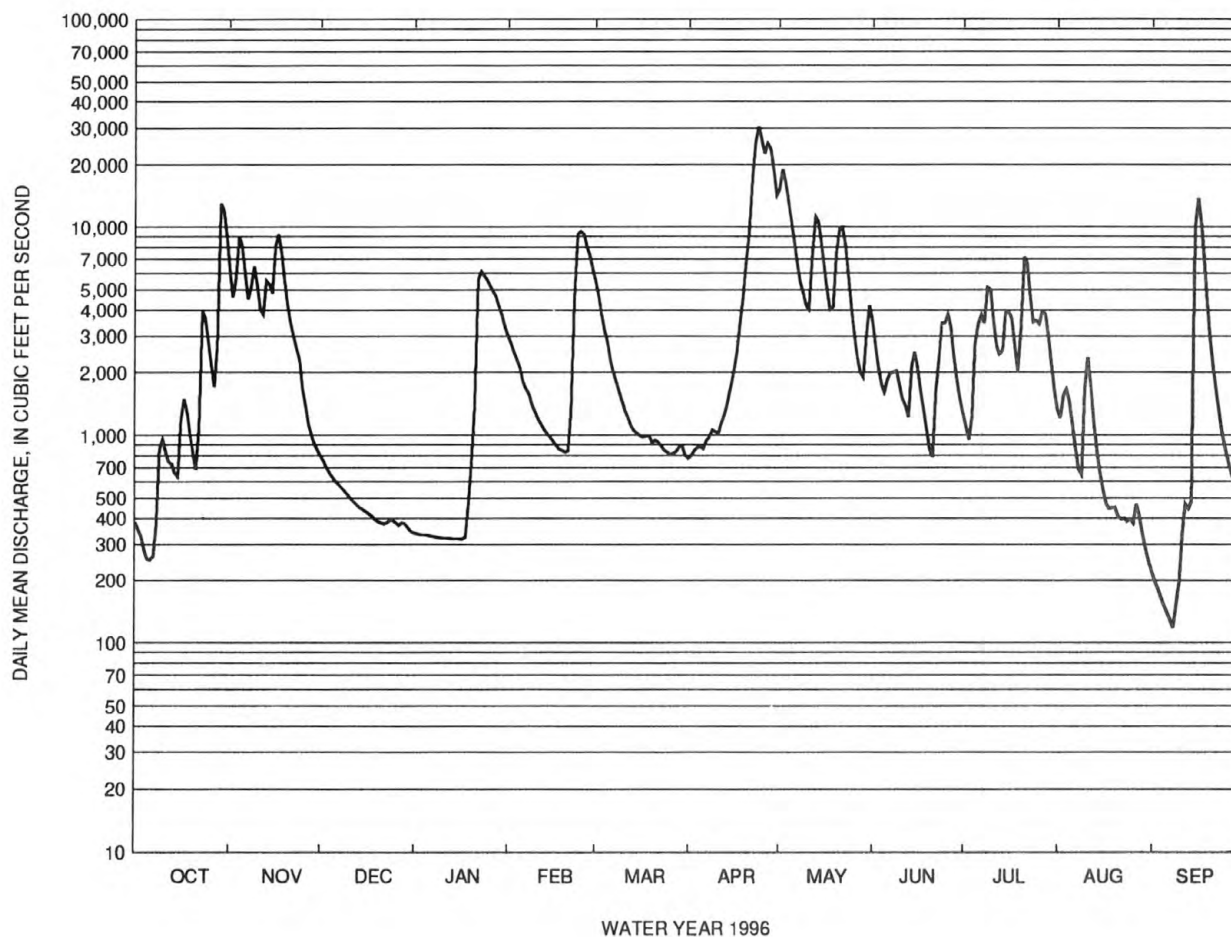
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01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1990	2284	1313	721	634	935	7185	7200	2129	1403	1357	1345
MAX	6102	5717	4899	2580	2981	4296	13410	16550	4705	6845	5985	3930
(WY)	1991	1964	1951	1995	1996	1979	1976	1961	1954	1984	1981	1954
MIN	347	540	311	207	143	180	1917	1474	453	174	113	102
(WY)	1956	1957	1956	1957	1961	1956	1967	1987	1988	1952	1953	1952

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1951 - 1996	
ANNUAL TOTAL	842300		1140198			
ANNUAL MEAN	2308		3115		2378	
HIGHEST ANNUAL MEAN					3547	
LOWEST ANNUAL MEAN					1336	
HIGHEST DAILY MEAN	15000		30500		38600	
LOWEST DAILY MEAN	92		118		60	
ANNUAL SEVEN-DAY MINIMUM	104		149		66	
INSTANTANEOUS PEAK FLOW			31400		44400	
INSTANTANEOUS PEAK STAGE			15.15		23.00	
INSTANTANEOUS LOW FLOW			115		59	
ANNUAL RUNOFF (CFSM)	1.72		2.32		1.77	
ANNUAL RUNOFF (INCHES)	23.37		31.63		24.10	
10 PERCENT EXCEEDS	6680		7730		6000	
50 PERCENT EXCEEDS	824		1420		984	
90 PERCENT EXCEEDS	216		339		256	



01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION.--Lat 46°53'38", long 69°45'08", Aroostook County, Hydrologic Unit 01010001, on left bank at the Six Mile Landing Road Bridge, 4 mi northeast of Depot Mountain, 26.8 mi upstream from mouth.

DRAINAGE AREA.--171 mi².

PERIOD OF RECORD.--October 1983 to current year.

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

REMARKS.--Records good, except for period of questionable stage-discharge relation, Aug. 6 to Sept. 30, which is fair, and period of ice effect, Nov. 23 to Apr. 23, which is poor. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 22	1545		*13.41	May 2	0530	3,140	10.19
Apr. 24	0900	*4,830	12.20	Sept. 15	1630	3,580	10.53
Apr. 27	1915	4,130	11.42				

Minimum discharge, 20 ft³/s, Sept. 8 and 9, gage height, 3.15 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	406	e82	e47	e290	e560	e91	2230	565	100	99	33
2	42	314	e77	e45	e260	e480	e102	2900	383	87	105	30
3	36	722	e73	e43	e245	e410	e101	1870	277	210	209	33
4	31	1280	e70	e42	e230	e350	e90	1380	223	601	194	29
5	29	1070	e67	e41	e210	e285	e86	1190	265	778	120	25
6	31	660	e65	e41	e195	e250	e100	958	543	621	85	23
7	36	435	e63	e41	e185	e220	e125	743	483	499	68	21
8	77	680	e61	e41	e174	e190	e140	639	463	570	62	21
9	144	714	e59	e41	e163	e160	e136	599	341	835	334	29
10	123	495	e58	e42	e153	e140	e128	542	235	660	563	39
11	97	373	e56	e44	e147	e120	e120	569	187	394	388	46
12	89	447	e54	e46	e138	e110	e130	1100	154	273	212	43
13	86	671	e53	e46	e133	e106	e142	1420	153	200	129	37
14	75	544	e52	e47	e125	e115	e158	1420	414	155	91	201
15	110	574	e50	e48	e119	e130	e180	1180	375	133	71	3190
16	252	1120	e49	e46	e115	e141	e225	963	255	203	58	2630
17	228	1020	e48	e49	e109	e138	e300	746	182	201	55	1290
18	171	670	e47	e70	e105	e130	e380	596	143	136	56	619
19	127	452	e46	e175	e101	e120	e570	942	110	102	57	352
20	96	342	e45	e600	e97	e119	e900	1740	88	908	53	231
21	80	290	e45	e810	e220	e116	e1400	1750	131	1560	60	169
22	255	265	e45	e770	e380	e111	e2250	1640	546	1140	94	129
23	508	e231	e47	e710	e1180	e108	e3880	1370	548	576	98	104
24	370	e190	e50	e650	e1400	e103	4660	1110	570	398	108	100
25	237	e165	e50	e590	e1360	e99	3620	754	561	425	91	86
26	171	e142	e49	e540	e1200	e107	2740	536	575	394	67	76
27	134	e120	e47	e475	e950	e119	3760	423	379	494	55	69
28	653	e102	e46	e425	e770	e122	3160	342	227	375	46	67
29	1720	e92	e46	e390	e650	e110	1850	482	152	243	39	91
30	1260	e86	e47	e350	---	e98	1430	970	114	163	35	123
31	695	---	e48	e315	---	e88	---	852	---	119	33	---
TOTAL	8014	14672	1695	7620	11404	5455	32954	33956	9642	13553	3735	9936
MEAN	259	489	54.7	246	393	176	1098	1095	321	437	120	331
MAX	1720	1280	82	810	1400	560	4660	2900	575	1560	563	3190
MIN	29	86	45	41	97	88	86	342	88	87	33	21
CFSM	1.51	2.86	.32	1.44	2.30	1.03	6.42	6.41	1.88	2.56	.70	1.94
IN.	1.74	3.19	.37	1.66	2.48	1.19	7.17	7.39	2.10	2.95	.81	2.16

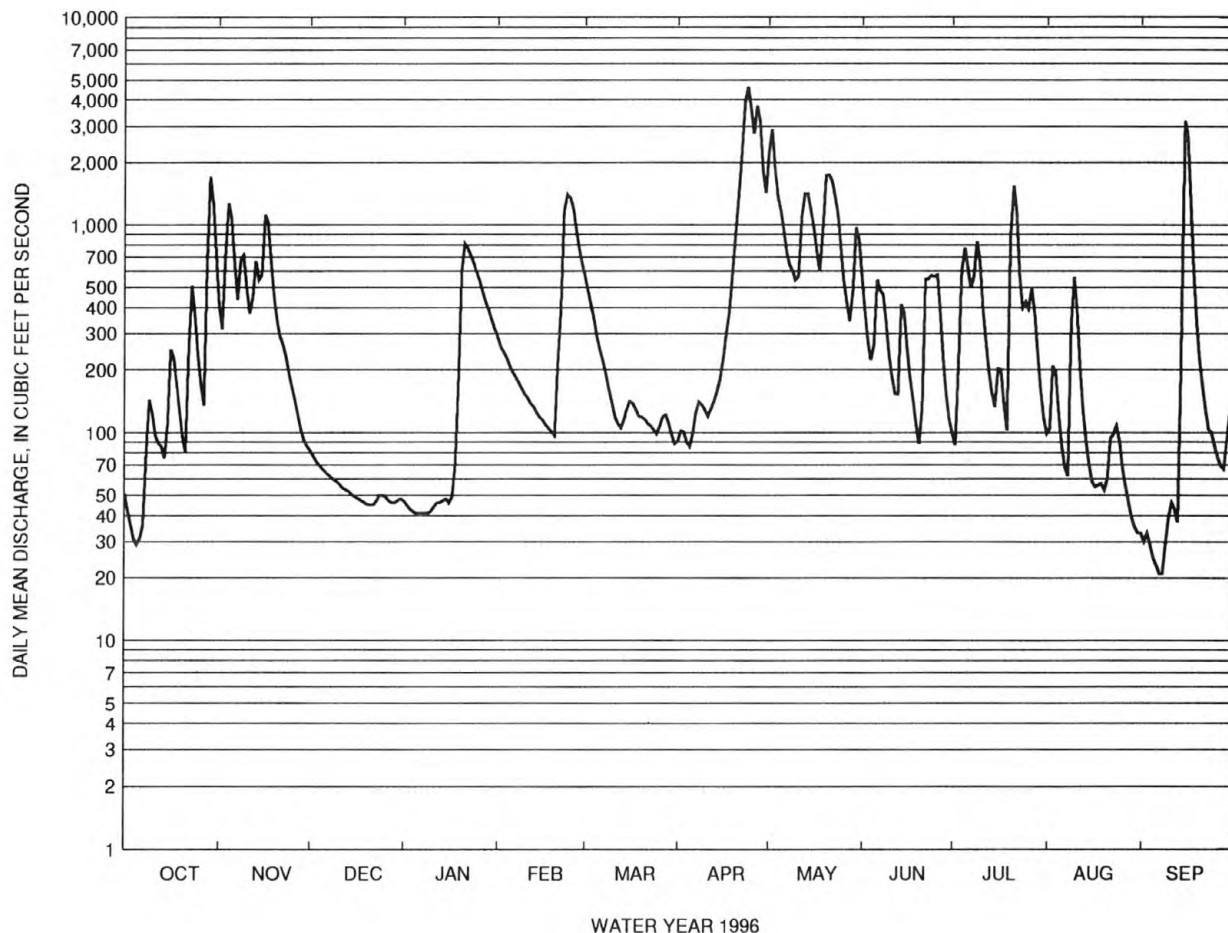
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01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	293	353	185	110	98.0	202	1239	697	272	226	148	133
MAX	710	612	708	265	393	852	1807	1342	762	691	551	364
(WY)	1991	1989	1991	1991	1996	1990	1991	1984	1994	1984	1986	1986
MIN	90.5	207	54.7	27.5	13.6	25.9	678	152	67.3	49.1	23.6	20.1
(WY)	1985	1985	1996	1985	1985	1993	1985	1987	1988	1990	1989	1985

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1984 - 1996	
ANNUAL TOTAL	99087		152636			
ANNUAL MEAN	271		417		330	
HIGHEST ANNUAL MEAN					438	
LOWEST ANNUAL MEAN					157	
					1984	
HIGHEST DAILY MEAN	2510	Apr 22	4660	Apr 24	6790	Apr 1 1987
LOWEST DAILY MEAN	16	Sep 4	21	Sep 7	7.4	Sep 24 1985
ANNUAL SEVEN-DAY MINIMUM	17	Aug 31	26	Sep 3	8.0	Sep 20 1985
INSTANTANEOUS PEAK FLOW			4830	Apr 24	7420	Apr 1 1987
INSTANTANEOUS PEAK STAGE			13.41	Apr 22	15.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			20	Sep 8		
ANNUAL RUNOFF (CFSM)	1.59		2.44		1.93	
ANNUAL RUNOFF (INCHES)	21.56		33.21		26.18	
10 PERCENT EXCEEDS	741		1100		850	
50 PERCENT EXCEEDS	81		161		125	
90 PERCENT EXCEEDS	26		46		33	



01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47°06'44", long 69°05'25", Aroostook County, Hydrologic Unit 01010001, on right bank 500 ft downstream of highway bridge at Dickey, 0.4 mi downstream from Little Black River, and 2.8 mi upstream from Allagash River.

DRAINAGE AREA.--2,680 mi².

PERIOD OF RECORD.--Discharge: July-Nov. 1910 and Apr.-Nov. 1911 (published as "near Dickey"), Sept. 1946 to current year.

Chemical analyses: Water years 1952, 1975, 1981.

Specific conductance: April 1975 to September 1980.

Water temperature: April 1975 to September 1980.

Suspended sediment discharge: October 1975 to September 1976.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-95-1: 1993, 1994.

GAGE.--Water-stage recorder. Datum of gage is 590.38 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 1,800 ft downstream at different datum. September 1946 to April 1962, water-stage recorder at site 800 ft downstream at same datum. April 1962 to August 1993, water-stage recorder at site 500 ft upstream at same datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 23 to Jan. 23 and Feb. 1 to Apr. 23, which are poor. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 24	2200	Ice Jam	*21.18	May 2	1330	41,100	12.98
Apr. 25	0115	*64,400	16.09	Sept. 16	0700	30,900	11.34
Apr. 28	0130	57,400	15.22				

Minimum discharge, 340 ft³/s, Sept. 8, gage height 1.89 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	869	11000	e1560	e825	e7600	e11500	e1630	28400	10100	2540	2780	633
2	761	7900	e1480	e820	e6800	e9400	e1600	39500	7690	2180	2390	579
3	669	7000	e1410	e815	e6100	e8000	e1590	35500	5960	1990	2270	525
4	627	12100	e1370	e815	e5600	e6400	e1570	28500	4820	2080	2660	478
5	585	14500	e1320	e810	e4950	e5500	e1680	23700	4120	4010	2660	445
6	539	11200	e1270	e805	e4400	e4800	e1740	19700	4380	6660	2200	415
7	527	8210	e1240	e800	e4000	e4200	e1720	15900	5400	7220	1890	381
8	615	8410	e1190	e795	e3630	e3700	e1860	13200	5090	6910	1650	355
9	855	12000	e1160	e790	e3300	e3400	e2050	12000	4830	8730	1600	385
10	1350	10600	e1130	e785	e2950	e3050	e2100	10900	4280	9530	2020	445
11	1530	7910	e1100	e785	e2750	e2850	e2060	9950	3520	7150	3230	563
12	1400	6830	e1080	e780	e2600	e2650	e2250	12600	3030	5030	3350	632
13	1310	8840	e1060	e780	e2450	e2500	e2500	21100	2770	3880	2510	770
14	1260	9900	e1040	e775	e2350	e2320	e2800	22100	2840	3460	1890	922
15	1240	8950	e1020	e770	e2250	e2180	e3300	19100	4710	3770	1500	8400
16	1460	13200	e995	e765	e2150	e2040	e3950	15500	4840	4790	1270	28700
17	2100	17400	e990	e760	e2050	e1940	e4800	12600	3800	5060	1120	20700
18	2310	14500	e980	e800	e2000	e2000	e6200	10500	2950	4320	1030	12900
19	1960	10700	e960	e1000	e1950	e2120	e8400	10200	2390	3340	1040	8160
20	1610	8200	e940	e1950	e1930	e2000	e12000	17000	2010	4760	1040	5470
21	1360	6730	e920	e3500	e1910	e1950	e19000	21800	1760	13800	1050	3970
22	1300	5820	e910	e6000	e3500	e2000	e30000	21300	2080	15900	1100	3090
23	3350	e4820	e900	e11200	e7000	e2020	e48900	19200	4030	11300	1220	2500
24	6000	e3860	e890	12700	e18000	e1830	61000	16000	5530	7780	1280	2120
25	4780	e3000	e880	12600	e20300	e1850	59200	12000	7090	6530	1210	1840
26	3600	e2530	e875	11400	e19000	e1790	48500	9070	7580	6520	1140	1640
27	2820	e2210	e865	10900	e17700	e1810	50900	7220	7320	7600	1100	1480
28	3150	e1960	e860	10600	e15000	e1600	54000	6030	5630	7550	984	1350
29	18000	e1770	e850	9600	e13000	e1700	41900	5590	4160	6020	938	1330
30	22000	e1650	e840	9060	---	e1790	31500	8280	3150	4590	796	1480
31	16100	---	e830	8350	---	e1710	---	11000	---	3520	697	---
TOTAL	106037	243700	32915	123135	187220	102600	510700	515440	137860	188520	51615	112658
MEAN	3421	8123	1062	3972	6456	3310	17020	16630	4595	6081	1665	3755
MAX	22000	17400	1560	12700	20300	11500	61000	39500	10100	15900	3350	28700
MIN	527	1650	830	760	1910	1600	1570	5590	1760	1990	697	355
CFSM	1.28	3.03	.40	1.48	2.41	1.23	6.35	6.20	1.71	2.27	.62	1.40
IN.	1.47	3.38	.46	1.71	2.60	1.42	7.09	7.15	1.91	2.62	.72	1.56

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3590	4221	2588	1422	1219	1722	14250	15850	4545	2833	2596	2469
MAX	11280	10170	9781	4461	6456	9249	27790	35100	10840	10320	11740	7655
(WY)	1978	1964	1951	1995	1996	1979	1976	1961	1947	1984	1981	1954
MIN	690	605	624	341	201	378	3999	2681	1152	796	265	397
(WY)	1954	1948	1956	1948	1948	1956	1965	1987	1968	1991	1953	1953

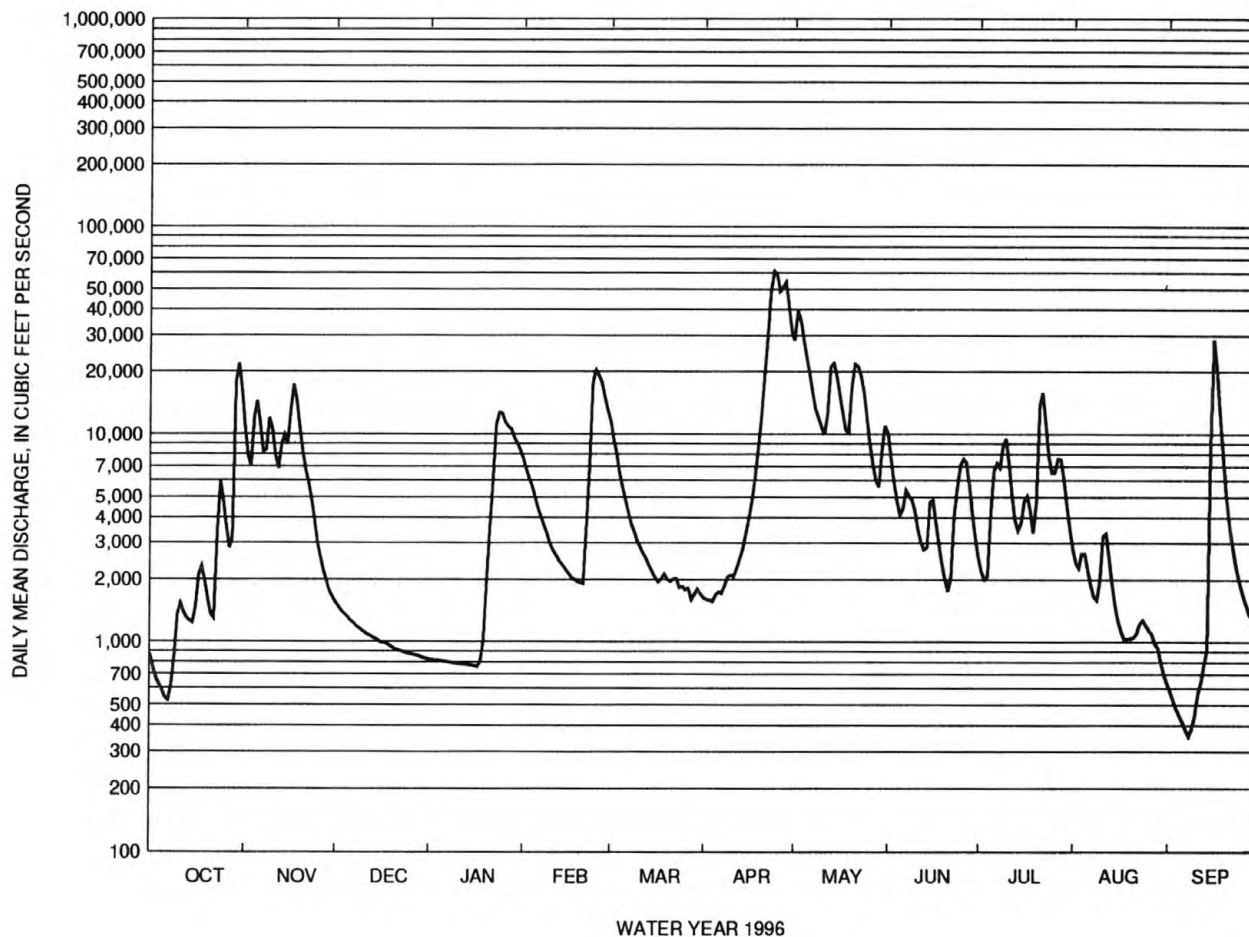
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1910 - 1996

ANNUAL TOTAL	1619285	2312400	
ANNUAL MEAN	4436	6318	4802
HIGHEST ANNUAL MEAN			7193
LOWEST ANNUAL MEAN			2844
			1976
HIGHEST DAILY MEAN	31700	Apr 23	61000
LOWEST DAILY MEAN	263	Sep 6	355
ANNUAL SEVEN-DAY MINIMUM	300	Sep 2	415
			Sep 4
			142
			Sep 11 1948
INSTANTANEOUS PEAK FLOW			64400
INSTANTANEOUS PEAK STAGE			21.18
INSTANTANEOUS LOW FLOW			340
			Sep 8
			91700
			37.89
			129
			Sep 17 1948
ANNUAL RUNOFF (CFSM)	1.66	2.36	1.79
ANNUAL RUNOFF (INCHES)	22.48	32.10	24.34
10 PERCENT EXCEEDS	12700	15600	11800
50 PERCENT EXCEEDS	1480	2810	2010
90 PERCENT EXCEEDS	573	813	556



01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

LOCATION.--Lat 47°04'14", long 69°04'51", Aroostook County, Hydrologic Unit 01010002, on left bank 3.0 mi upstream from mouth and village of Allagash.

DRAINAGE AREA.--1,229 mi², not including 249 mi² drained by Chamberlain Lake through Telos Canal.

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

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

Specific conductance: April 1975 to September 1980.

Water temperatures: April 1975 to September 1980.

Suspended sediment discharge: October 1975 to September 1976.

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

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

REMARKS.--Records good, except for period of ice effect, Nov. 25 to Apr. 20, which is poor. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft³, 58 mi upstream. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,200 ft³/s, Apr. 27, gage-height, 10.24 ft; minimum discharge, 238 ft³/s, Oct. 7, gage height 1.90 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	2880	e1640	e620	e3450	e4200	e1040	11000	4540	1670	1700	476
2	294	2400	e1540	e610	e3350	e4000	e1030	12000	4340	1520	1680	455
3	285	2340	e1480	e600	e3150	e3600	e1010	11300	3920	1370	1700	432
4	280	3020	e1410	e585	e2950	e3350	e1000	10600	3430	1360	1580	406
5	268	3200	e1350	e570	e2750	e3150	e990	9760	2970	1530	1520	393
6	247	2880	e1300	e560	e2600	e2950	e975	8660	3320	1880	1420	382
7	242	2570	e1250	e550	e2450	e2800	e965	7420	3330	2200	1300	361
8	290	3310	e1200	e535	e2330	e2650	e950	6230	3140	2120	1190	340
9	385	4340	e1180	e525	e2210	e2480	e940	5220	2920	3350	1180	394
10	396	3930	e1120	e515	e2100	e2370	e960	4350	2620	3520	1180	529
11	348	3430	e1090	e505	e1980	e2220	e1000	3890	2390	2840	1100	555
12	325	3370	e1070	e500	e1870	e2110	e1040	4930	2190	2350	1010	525
13	304	3940	e1030	e495	e1750	e1990	e1150	6470	2260	2010	948	518
14	279	3650	e1000	e485	e1670	e1900	e1250	6810	2570	2270	886	570
15	306	3850	e960	e480	e1570	e1790	e1370	6430	2680	3030	821	2060
16	514	6780	e940	e480	e1490	e1700	e1540	5990	2480	3250	782	4250
17	511	6790	e920	e485	e1430	e1620	e1830	5590	2270	3140	764	3900
18	430	5880	e890	e500	e1370	e1550	e2500	5140	2050	2690	760	2970
19	381	5010	e860	e520	e1310	e1480	e3790	5380	1850	2360	824	2290
20	347	4340	e840	e560	e1250	e1420	e4890	7170	1640	3640	811	1860
21	305	3900	e820	e680	e1290	e1370	7680	8050	1520	6450	750	1580
22	346	3580	e800	e950	e1420	e1320	11600	7910	1740	6090	727	1370
23	535	3310	e780	e1500	e1750	e1280	14500	7270	1960	4720	733	1210
24	544	3060	e760	e2050	e2300	e1240	17400	6520	2300	3820	754	1100
25	485	e2580	e740	e2800	e2950	e1210	17400	5590	2590	3170	707	1030
26	450	e2330	e720	e3550	e3800	e1180	15100	4810	2990	2850	650	971
27	407	e2160	e700	e4050	e4400	e1150	17600	4070	2780	2820	613	912
28	858	e2000	e690	e4300	e4350	e1120	17700	3510	2400	2620	564	875
29	4480	e1890	e670	e4200	e4300	e1090	13900	3290	2070	2330	540	896
30	4350	e1720	e660	e4000	---	e1070	11600	3780	1820	2090	514	913
31	3580	---	e540	e3700	---	e1050	---	4450	---	1870	485	---
TOTAL	23075	104440	31050	42460	69590	62410	174700	203590	79080	86930	30193	34523
MEAN	744	3481	1002	1370	2400	2013	5823	6567	2636	2804	974	1151
MAX	4480	6790	1640	4300	4400	4200	17700	12000	4540	6450	1700	4250
MIN	242	1720	640	480	1250	1050	940	3290	1520	1360	485	340
CFSM	.61	2.83	.81	1.11	1.95	1.64	4.74	5.34	2.14	2.28	.79	.94
IN.	.70	3.16	.94	1.29	2.11	1.89	5.29	6.16	2.39	2.63	.91	1.04

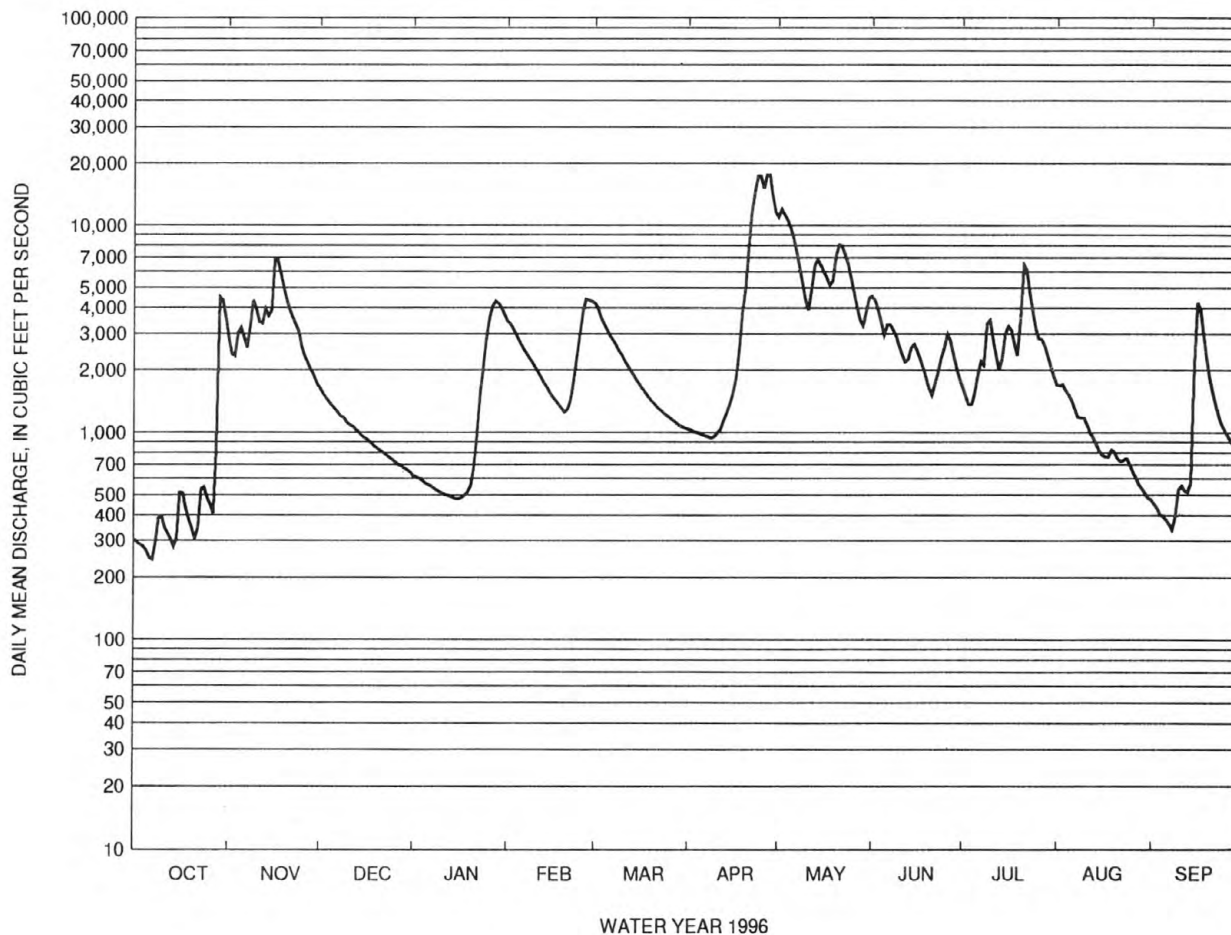
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01011000 ALLAGASH RIVER NEAR ALLAGASH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1320	1614	1179	728	607	756	4621	6571	2293	1438	1145	1067
MAX	5068	4628	4549	1865	2400	3610	10100	13550	4544	4053	5292	3133
(WY)	1991	1964	1951	1958	1996	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1931 - 1996	
ANNUAL TOTAL	604339		942041			
ANNUAL MEAN	1656		2574		1950	
HIGHEST ANNUAL MEAN					2899	
LOWEST ANNUAL MEAN					989	
HIGHEST DAILY MEAN	8580		17700		32100	
LOWEST DAILY MEAN	184		242		91	
ANNUAL SEVEN-DAY MINIMUM	200		272		91	
INSTANTANEOUS PEAK FLOW			19200		36900	
INSTANTANEOUS PEAK STAGE			10.24		19.78	
INSTANTANEOUS LOW FLOW			238		87	
ANNUAL RUNOFF (CFSM)	1.35		2.09		1.59	
ANNUAL RUNOFF (INCHES)	18.29		28.51		21.56	
10 PERCENT EXCEEDS	3930		5160		4690	
50 PERCENT EXCEEDS	860		1700		985	
90 PERCENT EXCEEDS	283		485		320	



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

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

DRAINAGE AREA.--524 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 550 ft, from International Boundary Map.

REMARKS.--Records good, except for periods of doubtful gage-height record, Feb. 3-8 and Aug. 21-27, which are fair. Satellite gage-height telemeter at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft³/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily discharge, 60 ft³/s, Oct. 11, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,230 ft³/s, Apr. 26, gage height, 11.28 ft; minimum daily discharge, 98 ft³/s, Oct. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	789	664	283	1250	1390	438	6110	1550	350	1190	241
2	101	798	628	277	1200	1290	438	5540	1450	333	1080	230
3	104	782	598	275	e1120	1200	434	5300	1350	322	968	223
4	101	764	578	272	e1040	1110	417	4980	1230	321	886	211
5	99	752	552	266	e971	1010	403	4630	1140	328	819	203
6	98	753	535	259	e904	932	396	4200	1070	346	745	195
7	100	746	519	252	e840	869	396	3780	1010	374	682	185
8	103	786	499	245	e798	816	406	3310	964	406	625	174
9	105	848	478	237	770	773	424	2930	904	466	586	180
10	106	939	461	230	738	724	459	2640	840	516	558	187
11	107	972	443	226	696	682	494	2420	784	530	519	186
12	109	976	432	220	667	646	498	2360	727	526	480	178
13	109	992	412	220	632	618	501	2400	689	509	452	170
14	111	1040	402	217	600	593	505	2460	671	491	427	182
15	124	1140	393	216	572	583	512	2530	636	456	396	276
16	133	1330	380	211	544	576	533	2570	593	463	371	360
17	136	1600	370	210	530	562	611	2540	565	441	353	459
18	132	1840	358	201	505	551	780	2440	537	424	349	537
19	142	1860	343	190	466	544	1070	2340	505	420	347	562
20	146	1720	342	246	445	537	1490	2470	470	544	327	544
21	149	1580	341	301	420	533	2220	2920	445	752	e328	516
22	166	1440	338	420	463	523	3570	3230	441	1100	e300	477
23	171	1310	328	597	530	516	5400	3200	424	1410	e318	441
24	170	1200	319	802	667	509	7030	2970	410	1520	e341	413
25	177	1080	317	1030	932	494	8020	2650	413	1470	e335	385
26	178	985	319	1150	1230	487	8050	2330	420	1410	e334	364
27	180	904	319	1200	1420	484	7800	2080	413	1440	e309	339
28	243	840	314	1280	1500	477	8020	1860	396	1520	292	320
29	373	782	309	1280	1490	470	7910	1710	378	1520	280	315
30	526	718	302	1290	---	463	6990	1640	360	1440	266	308
31	697	---	297	1280	---	448	---	1600	---	1320	251	---
TOTAL	5299	32266	12890	15383	23940	21410	76215	94140	21785	23468	15514	9361
MEAN	171	1076	416	496	826	691	2540	3037	726	757	500	312
MAX	697	1860	664	1290	1500	1390	8050	6110	1550	1520	1190	562
MIN	98	718	297	190	420	448	396	1600	360	321	251	170
CFSM	.33	2.05	.79	.95	1.58	1.32	4.85	5.80	1.39	1.44	.96	.60
IN.	.38	2.29	.92	1.09	1.70	1.52	5.41	6.68	1.55	1.67	1.10	.66

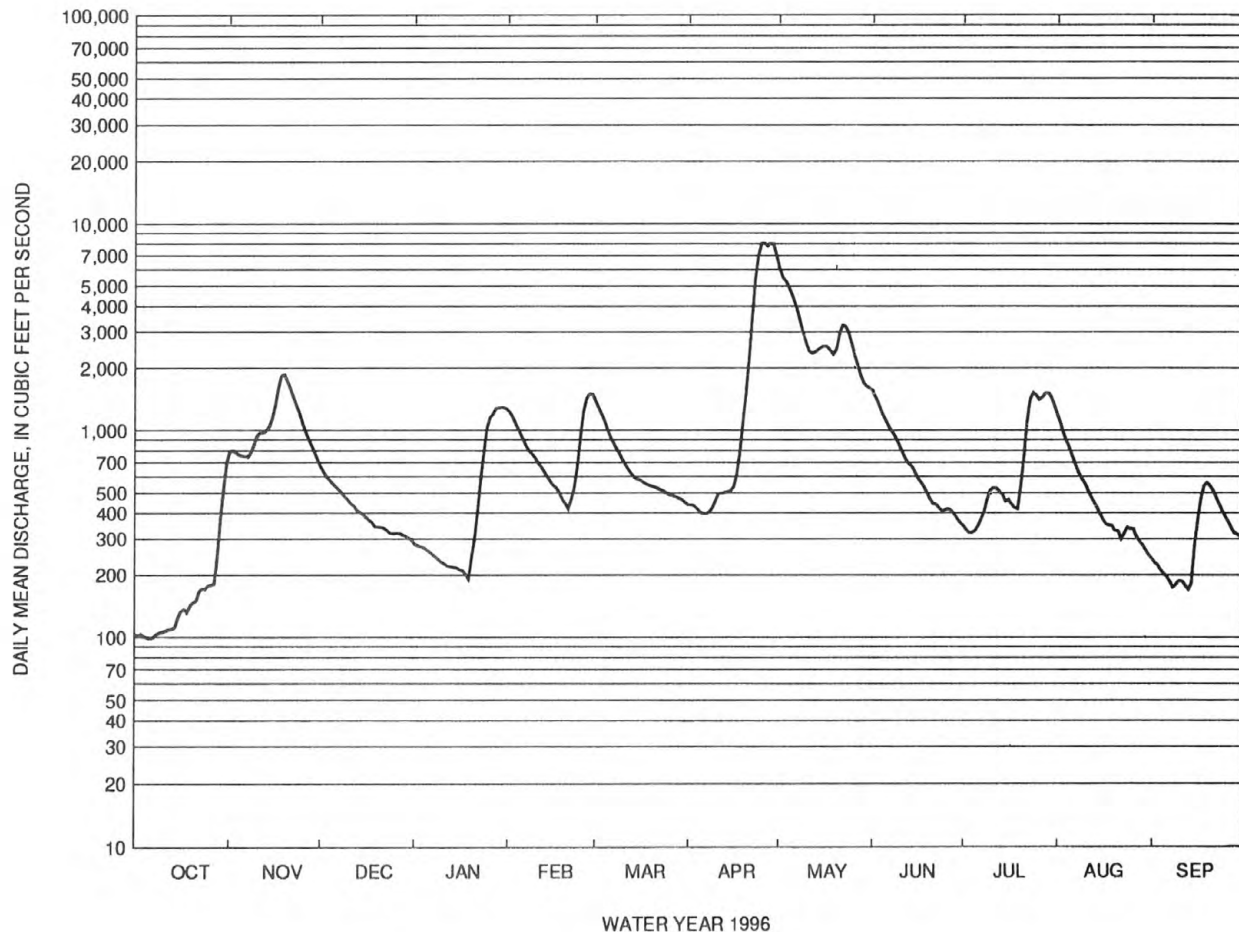
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01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR CONNORS, NEW BRUNSWICK--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	547	722	523	323	283	311	2150	3397	988	530	461	396
MAX	1650	1889	1393	839	1072	1116	4554	6360	1954	1730	2055	1222
(WY)	1955	1964	1958	1958	1981	1981	1983	1974	1994	1992	1981	1971
MIN	84.3	97.4	102	115	117	107	558	606	456	206	101	83.3
(WY)	1969	1979	1979	1990	1961	1962	1967	1987	1968	1991	1978	1978

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1952 - 1996	
ANNUAL TOTAL	278671		351671			
ANNUAL MEAN	763		961		889	
HIGHEST ANNUAL MEAN					1285	
LOWEST ANNUAL MEAN					485	
					1958	
HIGHEST DAILY MEAN	5790		May 5		8050	
LOWEST DAILY MEAN	73		Sep 12		98	
ANNUAL SEVEN-DAY MINIMUM	75		Sep 11		101	
					Oct 1	
INSTANTANEOUS PEAK FLOW			8230		Apr 26	
INSTANTANEOUS PEAK STAGE			11.28		Apr 26	
					15000	
					15.39	
					Apr 30 1979	
ANNUAL RUNOFF (CFSM)	1.46		1.83		1.70	
ANNUAL RUNOFF (INCHES)	19.78		24.97		23.04	
10 PERCENT EXCEEDS	1700		2120		2110	
50 PERCENT EXCEEDS	365		524		430	
90 PERCENT EXCEEDS	105		193		150	



01013500 FISH RIVER NEAR FORT KENT, ME

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

DRAINAGE AREA.--873 mi².

PERIOD OF RECORD.--July 1903 to December 1908 and May to November 1911 (published as "at Wallagrass"), September 1929 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.

REVISED RECORDS.--WSP 2101: 1969(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 511.38 ft above National Geodetic Vertical Datum of 1929. July 1903 to December 1908 and May to November 1911, nonrecording gage at site 10 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 9-13, 17-21, Dec. 30 to Jan. 29, and Feb. 13-21, and periods of no gage-height record, Apr. 11-23 and July 29 to Aug. 7, which are fair. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,900 ft³/s, Apr. 28, gage height, 10.01 ft; minimum discharge, 42 ft³/s, Oct. 3-7, gage height, 1.88 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	576	1920	e570	2520	2160	939	9580	3080	1240	e2030	401
2	46	621	1810	e560	2500	2160	940	9400	2880	1160	e1900	391
3	43	730	1690	e552	2440	2170	921	9080	2650	1100	e1760	366
4	42	844	1610	e541	2350	2120	903	8590	2430	1080	e1650	346
5	42	875	1520	e535	2260	2070	895	8090	2270	1150	e1490	333
6	42	915	1450	e525	2150	1980	900	7560	2290	1300	e1350	313
7	42	974	1380	e515	2080	1910	917	7010	2280	1310	e1280	293
8	53	1250	1290	e505	1980	1840	935	6510	2230	1290	1180	283
9	59	1370	e1220	e495	1870	1800	949	6050	2160	1340	1130	335
10	58	1450	e1170	e485	1820	1730	975	5640	2070	1510	1060	377
11	58	1530	e1120	e475	1730	1650	e1070	5250	1960	1620	977	357
12	60	1690	e1070	e468	1660	1560	e1090	5270	1900	1640	924	344
13	58	1790	e1010	e458	e1570	1500	e1100	5360	2330	1630	865	335
14	57	1830	975	e450	e1490	1450	e1130	5360	2120	1730	785	390
15	77	2260	941	e440	e1410	1420	e1150	5280	1970	1800	733	789
16	90	3000	916	e435	e1320	1380	e1200	5160	1860	2010	696	801
17	77	3350	e863	e430	e1250	1320	e1510	5030	1800	1960	660	813
18	73	3560	e830	e422	e1210	1280	e1880	4830	1710	1910	646	832
19	70	3600	e806	e420	e1160	1230	e2400	4820	1620	1910	647	828
20	66	3570	e775	e425	e1110	1190	e3000	5050	1530	2370	611	826
21	67	3510	e750	e445	e1080	1180	e3800	5140	1470	2420	598	804
22	102	3400	743	e470	1210	1180	e5100	5260	1430	2450	586	771
23	137	3260	731	e500	1320	1160	e6650	5220	1370	2440	576	745
24	123	3070	710	e840	1400	1120	8320	5100	1310	2460	570	763
25	119	2870	687	e1100	1720	1090	9050	4840	1350	2500	565	735
26	110	2680	685	e1400	1910	1080	9240	4570	1440	2580	546	686
27	109	2480	675	e1800	2000	1060	10300	4260	1410	2650	510	660
28	313	2340	661	e2050	2100	1030	10800	3980	1390	2580	482	655
29	628	2190	638	e2270	2140	997	10400	3720	1350	e2460	461	649
30	529	2030	e591	2380	---	967	9860	3500	1300	e2300	432	617
31	546	---	e584	2490	---	948	---	3290	---	e2170	413	---
TOTAL	3944	63615	31821	25551	50760	45732	108324	177800	56960	58070	28113	16838
MEAN	127	2120	1026	824	1750	1475	3611	5735	1899	1873	907	561
MAX	628	3600	1920	2490	2520	2170	10800	9580	3080	2650	2030	832
MIN	42	576	584	420	1080	948	895	3290	1300	1080	413	283
CFSM	.15	2.43	1.18	.94	2.00	1.69	4.14	6.57	2.17	2.15	1.04	.64
IN.	.17	2.71	1.36	1.09	2.16	1.95	4.62	7.58	2.43	2.47	1.20	.72

e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	771	1201	1058	619	500	562	3052	5139	1814	963	694	581
MAX	2776	4116	4688	1891	1750	3104	7495	8951	3696	3075	3571	2492
(WY)	1991	1964	1951	1958	1996	1936	1953	1969	1961	1954	1954	1963
MIN	63.1	98.2	103	149	116	107	390	1327	652	294	112	51.7
(WY)	1906	1906	1956	1904	1904	1944	1944	1987	1988	1965	1968	1968

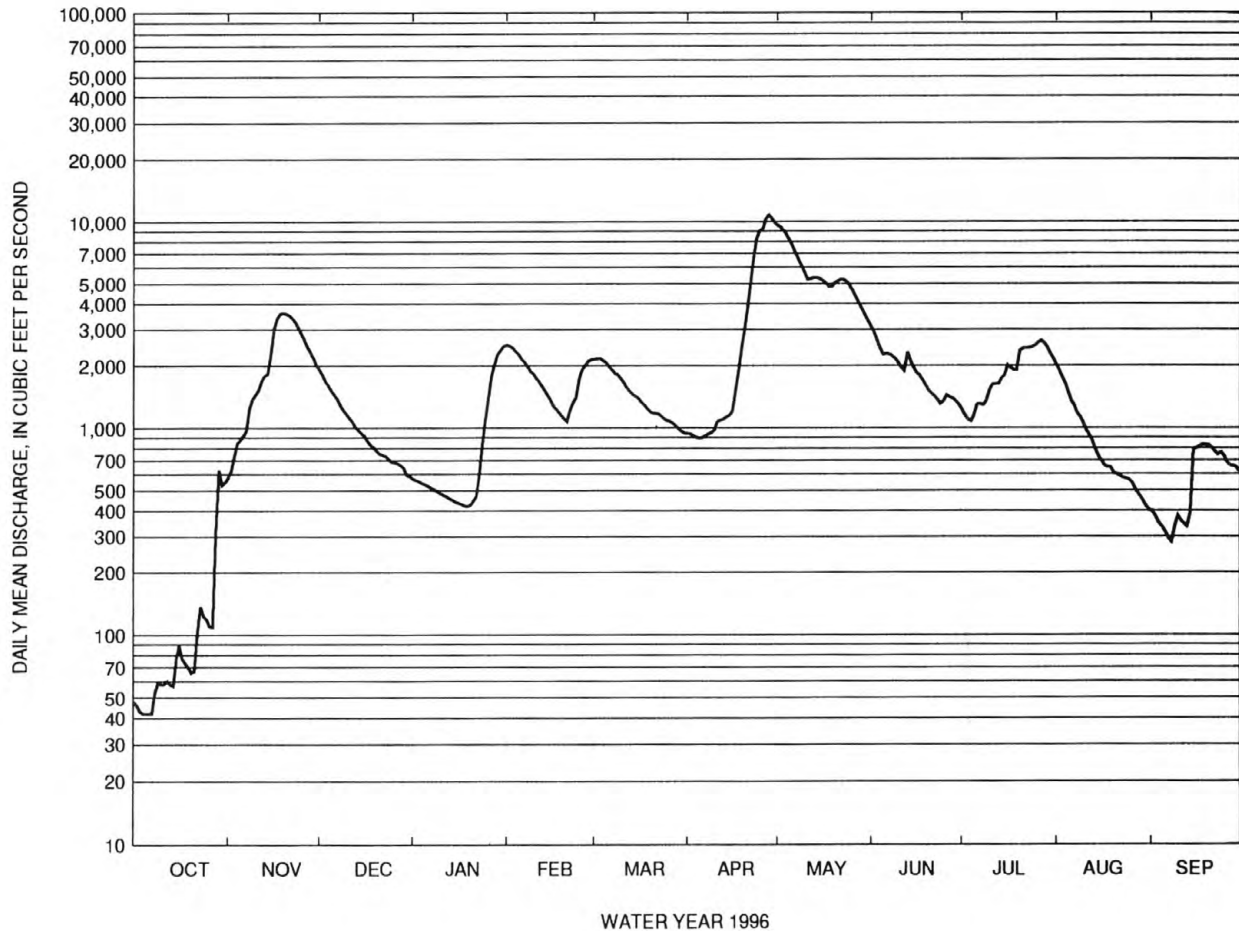
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1903 - 1996

ANNUAL TOTAL	452646	667528	
ANNUAL MEAN	1240	1824	1422
HIGHEST ANNUAL MEAN			2175
LOWEST ANNUAL MEAN			773
			1973
			1965
HIGHEST DAILY MEAN	6780	May 5	10800
LOWEST DAILY MEAN	42	Oct 4	42
ANNUAL SEVEN-DAY MINIMUM	44	Oct 1	44
			Oct 1 1995
INSTANTANEOUS PEAK FLOW			10900
INSTANTANEOUS PEAK STAGE			10.01
INSTANTANEOUS LOW FLOW			42
			Apr 28
			Apr 28
			Oct 3
			15800
			12.43
			34
			Apr 30 1973
			Apr 30 1973
			Aug 29 1968
ANNUAL RUNOFF (CFSM)	1.42	2.09	1.63
ANNUAL RUNOFF (INCHES)	19.29	28.44	22.13
10 PERCENT EXCEEDS	3360	4060	3560
50 PERCENT EXCEEDS	710	1280	722
90 PERCENT EXCEEDS	69	354	220



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

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

DRAINAGE AREA.--5,665 mi², not including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--October 1926 to current year. Prior to October 1931, published as "at Fort Kent."

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

GAGE.--Water-stage recorder. Datum of gage is 488.81 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 10, 1933, nonrecording gage on opposite bank at same datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 26 to Jan. 25, Jan. 29 to Feb. 8, Feb. 13-25, and Mar. 12 to Apr. 15, which are fair. Telephone and satellite gage-height telemeters at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily discharge, 510 ft³/s, Mar. 13-15, 1948.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 25	0400	*109,000	*23.04				
						No other peak greater than base discharge.	

Minimum discharge, 1,030 ft³/s, Oct. 7, gage height 1.27 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1540	17400	e6170	e2450	e16500	20900	e4400	58000	20800	6970	9330	2070
2	1420	13500	e5810	e2400	e15500	18100	e4350	68000	18400	6170	8410	1950
3	1300	11600	e5520	e2380	e14400	16000	e4300	66900	15800	5610	7870	1830
4	1180	14800	e5280	e2350	e13300	14000	e4250	57500	13800	5410	7630	1710
5	1150	19900	e5040	e2310	e12400	12400	e4250	49600	12300	6600	7740	1620
6	1080	17400	e4830	e2300	e11400	11200	e4300	43100	11900	10200	7070	1530
7	1040	14000	e4610	e2280	e10300	10400	e4300	36700	13200	11800	6300	1430
8	1110	13700	e4410	e2220	e9500	9810	e4500	31400	12900	12000	5640	1350
9	1260	18400	e4230	e2180	e8920	8840	e4750	27700	12100	13000	5230	1500
10	1650	18500	e4070	e2150	8200	8170	e4900	25000	11400	16700	5150	1750
11	2300	15500	e3960	e2100	7830	7400	e4850	23000	10200	14300	5890	1870
12	2310	13900	e3830	e2080	7470	e7000	e5000	24700	9180	11500	6760	1920
13	2130	15500	e3700	e2070	e7000	e6800	e5450	34200	9280	9550	5910	1920
14	2030	17500	e3610	e2050	e6600	e6550	e5900	37900	9570	9010	4950	2300
15	2030	17600	e3530	e2030	e6150	e6300	e5500	35400	10300	9630	4210	5450
16	2120	23400	e3460	e2020	e5900	e6000	7430	31300	11200	11600	3750	31000
17	2730	30200	e3370	e2010	e5600	e5850	9010	27700	10000	11800	3440	28800
18	3400	28100	e3250	e2020	e5400	e5800	11600	24700	8660	11200	3300	20300
19	3190	23500	e3150	e2250	e5200	e5800	17100	23500	7570	9660	3330	14300
20	2700	20000	e3080	e3450	e5100	e5750	23300	30000	6710	11300	3280	10700
21	2320	17600	e3000	e5100	e5000	e5400	36100	38300	6060	21100	3260	8550
22	2230	15900	e2950	e7700	e5000	e5350	66200	39300	6080	27100	3270	7090
23	2660	14600	e2900	e11200	e8000	e5400	84700	36900	7590	22900	3290	6040
24	6940	13300	e2850	e15400	e11800	e5100	99400	32900	9680	18300	3490	5400
25	6880	11600	e2800	e18500	e25700	e5050	105000	27500	12000	15800	3420	4810
26	5530	e9920	e2750	18800	29300	e4900	92100	23000	13200	15100	3240	4370
27	4460	e8660	e2700	18700	29100	e4800	92000	19900	13300	16100	3010	4020
28	4760	e7540	e2670	19700	27500	e4900	99700	17500	11600	16200	2780	3760
29	16500	e7170	e2630	e19400	24200	e4650	84600	15900	9540	14600	2610	3670
30	28800	e6580	e2560	e18500	---	e4700	67300	17200	8020	12500	2440	3690
31	23000	---	e2500	e17600	---	e4550	---	20600	---	10700	2220	---
TOTAL	141750	477270	115220	215700	348270	247870	967540	1045300	332340	394410	148220	186700
MEAN	4573	15910	3717	6958	12010	7996	32250	33720	11080	12720	4781	6223
MAX	28800	30200	6170	19700	29300	20900	105000	68000	20800	27100	9330	31000
MIN	1040	6580	2500	2010	5000	4550	4250	15900	6060	5410	2220	1350
CFSM	.81	2.81	.66	1.23	2.12	1.41	5.69	5.95	1.96	2.25	.84	1.10
IN.	.93	3.13	.76	1.42	2.29	1.63	6.35	6.86	2.18	2.59	.97	1.23

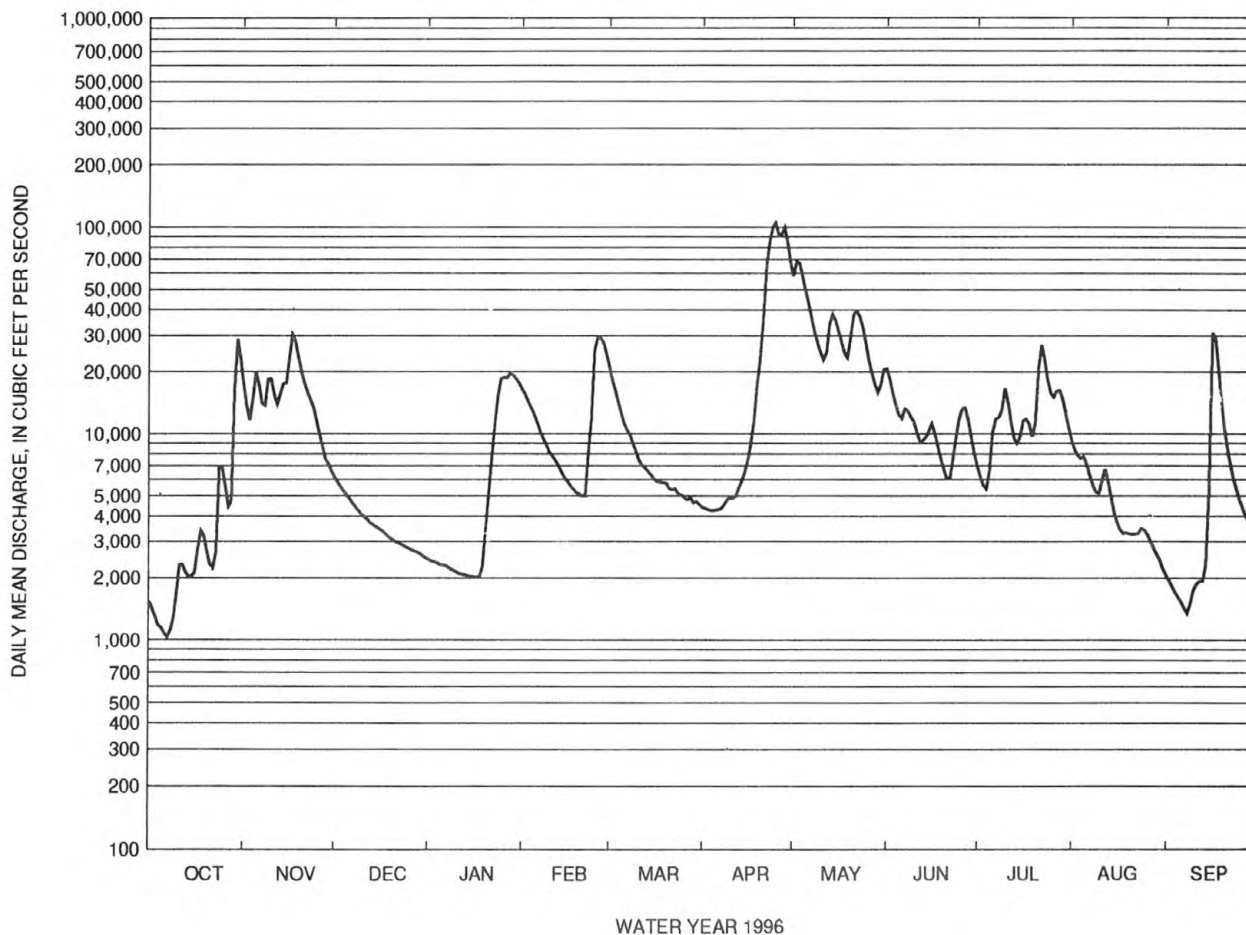
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6754	8680	5693	3298	2582	3453	24640	34160	10820	6394	5266	4822
MAX	19840	24220	22900	8093	12010	23590	49210	68160	21800	17250	24640	14700
(WY)	1991	1928	1951	1995	1996	1936	1983	1974	1947	1984	1981	1954
MIN	1116	1367	1232	871	562	669	3298	6464	3616	2077	910	901
(WY)	1969	1948	1956	1948	1948	1944	1944	1987	1968	1991	1968	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1927 - 1996	
ANNUAL TOTAL	3182244		4620590			
ANNUAL MEAN	8718		12620		9740	
HIGHEST ANNUAL MEAN					14100	
LOWEST ANNUAL MEAN					5667	
HIGHEST DAILY MEAN	51400		105000		146000	
LOWEST DAILY MEAN	647		1040		510	
ANNUAL SEVEN-DAY MINIMUM	670		1160		513	
INSTANTANEOUS PEAK FLOW			109000		151000	
INSTANTANEOUS PEAK STAGE			23.04		27.31	
INSTANTANEOUS LOW FLOW			1030			
ANNUAL RUNOFF (CFSM)	1.54		2.23		1.72	
ANNUAL RUNOFF (INCHES)	20.90		30.34		23.36	
10 PERCENT EXCEEDS	21000		27600		23000	
50 PERCENT EXCEEDS	3960		7080		4640	
90 PERCENT EXCEEDS	1140		2170		1500	



01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

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

DRAINAGE AREA.--892 mi².

PERIOD OF RECORD.--September 1957 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 530.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of ice effect, Nov. 29 to Apr. 15, and periods of doubtful gage-height record, Jan. 26-27, Jan. 31 to Feb. 8, and Mar. 1-2, which are fair. Slight regulation by Millinocket Lake, capacity 1,110,000,000 ft³, used for power. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,200 ft³/s, Apr. 28, gage height, 15.16 ft; minimum discharge 42 ft³/s, Oct. 3 and 4, gage height 2.39 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	2500	e800	e395	e4300	e4400	e1300	8350	2550	851	797	221
2	44	1860	e750	e380	e3300	e4200	e1340	8200	2170	754	710	212
3	44	1720	e710	e365	e2750	e3400	e1410	7400	1810	669	702	203
4	45	1990	e670	e350	e2350	e2900	e1350	6410	1570	645	665	195
5	48	2130	e650	e335	e2000	e2650	e1260	5600	1680	866	608	186
6	51	1900	e615	e375	e1850	e2350	e1250	4880	1750	1080	549	177
7	58	1610	e600	e360	e1710	e2100	e1320	4160	1680	1200	492	166
8	82	1960	e580	e350	e1560	e2000	e1400	3480	1620	1240	453	160
9	98	3380	e560	e345	e1440	e1880	e1340	2950	1500	1780	470	185
10	102	3490	e540	e340	e1380	e1720	e1280	2600	1290	2090	592	240
11	104	2870	e530	e345	e1290	e1660	e1280	2490	1130	2070	661	251
12	106	2540	e510	e345	e1200	e1520	e1370	3960	1040	1780	586	237
13	107	3280	e495	e350	e1140	e1440	e1290	6470	1090	1410	495	224
14	104	3410	e485	e355	e1100	e1390	e1290	6670	1230	2270	437	302
15	144	3810	e475	e355	e1050	e1340	e1650	5870	1490	4850	387	901
16	230	8520	e465	e360	e1000	e1400	1870	5010	1460	5220	356	1880
17	289	9620	e455	e365	e960	e1470	2440	4210	1240	4430	342	1740
18	273	7710	e450	e370	e930	e1490	3770	3600	1050	3340	347	1340
19	248	6030	e445	e410	e880	e1450	4930	3520	889	2430	359	1020
20	202	4680	e435	e540	e860	e1400	6060	5080	756	2340	343	801
21	171	3840	e430	e940	e850	e1460	8170	6250	685	3020	321	656
22	220	3120	e425	e2200	e840	e1550	11000	5750	907	3100	306	547
23	468	2550	e430	e2700	e1150	e1680	12800	5030	1100	2610	299	466
24	571	2240	e440	e2900	e2300	e1710	14300	4450	1370	2160	308	430
25	492	1860	e435	e3020	e3000	e1660	14900	3780	1530	1850	289	403
26	398	1720	e420	e3500	e4500	e1600	13000	3230	1890	1610	292	386
27	328	1560	e415	e4300	e5000	e1630	13400	2780	1940	1440	287	366
28	442	1300	e420	e5300	e5080	e1580	15900	2260	1620	1300	277	350
29	2880	e1070	e430	e5700	e4700	e1510	13500	1970	1260	1160	257	372
30	4110	e900	e420	e5800	---	e1450	10200	2020	1010	1030	239	467
31	3450	---	e400	e5100	---	e1380	---	2600	---	921	228	---
TOTAL	15955	95170	15885	48850	60470	59370	166370	141030	42307	61516	13454	15084
MEAN	515	3172	512	1576	2085	1915	5546	4549	1410	1984	434	503
MAX	4110	9620	800	5800	5080	4400	15900	8350	2550	5220	797	1880
MIN	44	900	400	335	840	1340	1250	1970	685	645	228	160
CFSM	.58	3.56	.57	1.77	2.34	2.15	6.22	5.10	1.58	2.22	.49	.56
IN.	.67	3.97	.66	2.04	2.52	2.48	6.94	5.88	1.76	2.57	.56	.63

e Estimated

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1067	1480	1043	625	630	759	4390	4536	1348	686	623	653
MAX	4451	5212	2823	1576	2085	3749	10380	11250	3591	2089	2380	2730
(WY)	1982	1964	1958	1996	1996	1979	1976	1961	1984	1962	1981	1967
MIN	201	369	370	257	206	198	1055	1061	301	77.5	79.5	61.5
(WY)	1969	1979	1979	1982	1972	1993	1967	1987	1988	1991	1968	1995

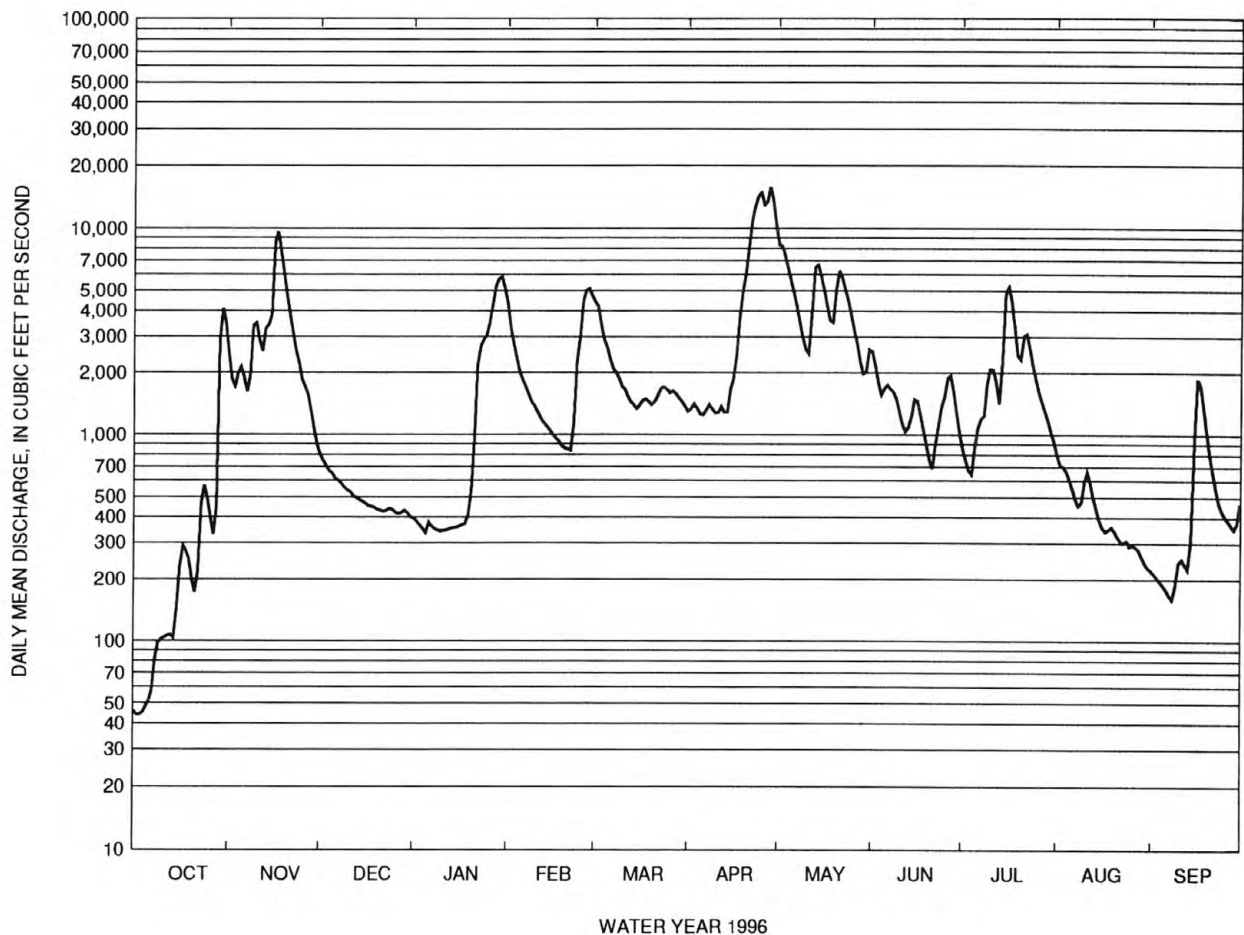
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1957 - 1996

ANNUAL TOTAL	460437		735461			
ANNUAL MEAN	1261		2009		1488	
HIGHEST ANNUAL MEAN					2133	1976
LOWEST ANNUAL MEAN					818	1985
HIGHEST DAILY MEAN	9620	Nov 17	15900	Apr 28	22100	Apr 19 1983
LOWEST DAILY MEAN	44	Sep 22	44	Oct 2	42	Sep 27 1968
ANNUAL SEVEN-DAY MINIMUM	47	Sep 30	48	Oct 1	44	Sep 26 1968
INSTANTANEOUS PEAK FLOW			16200	Apr 28	23100	Apr 19 1983
INSTANTANEOUS PEAK STAGE			15.16	Apr 28	18.00	Apr 18 1994
INSTANTANEOUS LOW FLOW			42	Oct 3	41	Sep 26 1968
ANNUAL RUNOFF (CFSM)	1.41		2.25		1.67	
ANNUAL RUNOFF (INCHES)	19.20		30.67		22.66	
10 PERCENT EXCEEDS	3480		4890		3690	
50 PERCENT EXCEEDS	530		1290		658	
90 PERCENT EXCEEDS	81		268		220	



01017000 AROOSTOOK RIVER AT WASHBURN, ME

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

DRAINAGE AREA.--1,654 mi².

PERIOD OF RECORD.--Discharge: August 1930 to current year.

Chemical analyses: Water years 1952-53.

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

GAGE.--Water-stage recorder. Datum of gage is 436.40 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, at datum 2.0 ft higher.

REMARKS.--Records good, except for period of ice effect, Nov. 30 to Apr. 16, period of doubtful gage-height record, Mar. 15 to Apr. 26, and periods of no gage-height record, Jan. 17-20, Mar. 4-14, and June 3-5, which are fair. Considerable regulation by Squa Pan Lake, capacity 2,893,000,000 ft³, used for power. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,400 ft³/s, Apr. 25, gage height, 10.86 ft; minimum daily discharge, 83 ft³/s, Oct. 3.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	4450	e1630	e720	e7680	e7850	e2330	14200	4730	1490	1590	384
2	88	3370	e1580	e742	e5930	e7500	e2410	13000	3970	1290	1440	368
3	83	2980	e1280	e857	e4960	e5070	e2530	12300	e3500	1140	1380	352
4	84	3410	e1210	e854	e4200	e5180	e2420	10700	e2850	1080	1320	341
5	88	3790	e1400	e802	e3620	e5110	e2260	9310	e2910	1380	1080	328
6	93	3530	e1330	e790	e3490	e4760	e2250	8140	3150	1870	901	311
7	103	3050	e1280	e558	e3250	e4320	e2370	7160	3100	2100	798	297
8	137	3440	e1240	e540	e2990	e4150	e2510	6370	3020	2250	742	286
9	158	5310	e1210	e822	e2760	e3930	e2410	5490	2820	2920	724	319
10	183	5730	e978	e812	e2670	e3400	e2300	4840	2480	3520	810	412
11	189	5010	e961	e819	e2510	e3300	e2300	4360	2190	3600	928	476
12	189	4400	e1210	e820	e2350	e3080	e2460	5470	2020	3150	910	458
13	179	4930	e1320	e829	e2230	e2810	e2320	9270	2190	2530	794	417
14	191	5390	e1460	e649	e2170	e2720	e2320	11400	2630	2720	689	531
15	252	5880	e1440	e649	e2080	e2590	e2960	10600	3320	5370	601	1660
16	321	11600	e1030	e846	e2030	e2690	e3350	8970	3260	7050	546	3390
17	372	14900	e827	e847	e1960	e2820	5510	7720	2660	6250	517	3410
18	420	12800	e818	e676	e1910	e2670	6660	6700	2110	5070	534	2730
19	398	9540	e999	e747	e1820	e2600	7990	5950	1780	3970	597	2100
20	370	7360	e982	e978	e1780	e2690	9700	7480	1480	4090	575	1640
21	334	6040	e974	e1690	e1760	e2800	14200	10300	1310	4960	529	1310
22	343	5120	e965	e3930	e1750	e2980	19100	10400	1580	5130	505	1080
23	464	4270	e927	e4820	e2300	e3010	22600	9100	1790	4500	509	903
24	799	3740	e800	e5180	e4110	e3060	26100	8080	2080	3740	513	796
25	813	3170	e791	e5390	e5360	e2980	26600	6630	2440	3190	511	743
26	687	2730	e765	e6250	e8030	e2870	23300	5610	2960	2790	487	696
27	580	2610	e947	e7860	e8920	e2920	22800	4870	3340	2490	481	653
28	824	2210	e933	e9460	e9060	e2830	26200	4190	2910	2210	458	612
29	3800	1860	e972	e10100	e8390	e2710	24000	3750	2270	1950	436	617
30	5990	e1700	e907	e10300	---	e2600	18700	3720	1810	1710	410	682
31	5640	---	e729	e9140	---	e2480	---	4620	---	1580	395	---
TOTAL	24263	154320	33895	89677	112070	111480	292960	240700	78660	97090	22710	28302
MEAN	783	5144	1093	2893	3864	3596	9765	7765	2622	3132	733	943
MAX	5990	14900	1630	10300	9060	7850	26600	14200	4730	7050	1590	3410
MIN	83	1700	729	640	1750	2480	2250	3720	1310	1080	395	286

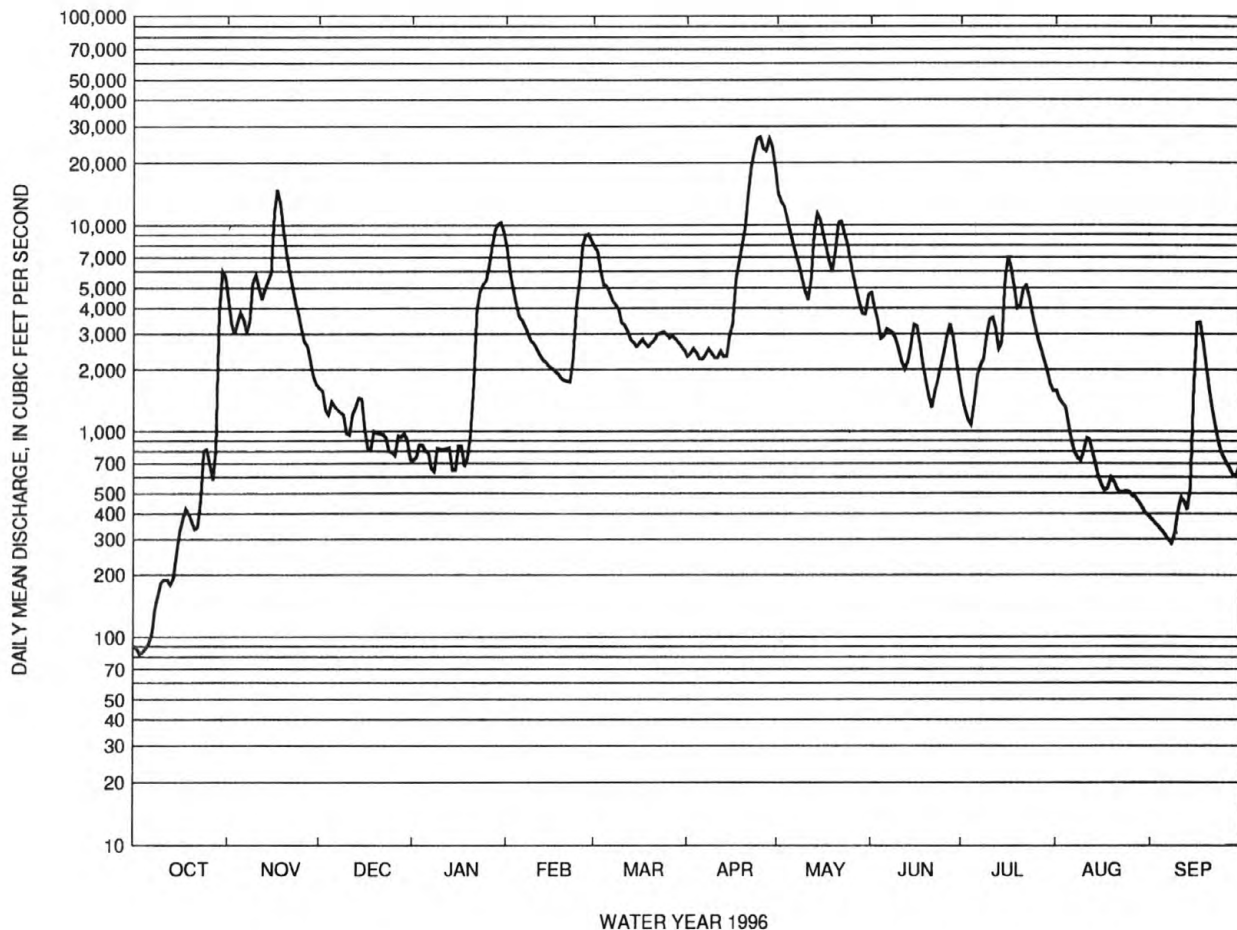
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01017000 AROOSTOOK RIVER AT WASHBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1781	2572	1863	1092	1063	1427	8074	8015	2536	1374	1041	1102
MAX	8098	9767	7975	2893	3864	10440	16990	20350	6928	5882	5728	5235
(WY)	1982	1964	1951	1996	1996	1936	1976	1961	1984	1954	1981	1954
MIN	265	218	175	167	101	324	1468	1775	634	189	152	106
(WY)	1956	1956	1956	1948	1948	1948	1944	1987	1988	1991	1968	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1930 - 1996	
ANNUAL TOTAL	806070		1286127			
ANNUAL MEAN	2208		3514		2665	
HIGHEST ANNUAL MEAN					4145	
LOWEST ANNUAL MEAN					1409	
HIGHEST DAILY MEAN	14900		26600		42500	
LOWEST DAILY MEAN	83		83		75	
ANNUAL SEVEN-DAY MINIMUM	88		90		78	
INSTANTANEOUS PEAK FLOW			27400		43400	
INSTANTANEOUS PEAK STAGE			10.86		20.91	
10 PERCENT EXCEEDS	5940		8040		6820	
50 PERCENT EXCEEDS	1160		2340		1180	
90 PERCENT EXCEEDS	126		451		391	



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

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

DRAINAGE AREA.--413 mi².

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

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

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

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chiputneticook Lakes, combined usable capacity about 13,200,000,000 ft³. Final regulation is at Spednik Lake Dam, 400 ft upstream. Telephone and satellite gage-height telemeters at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,730 ft³/s, June 3, 1984, gage height, 11.28 ft; minimum daily discharge, 1.9 ft³/s, Oct. 12, 22 and Nov. 4, 1936, when flow was held back by cofferdam during repairs to dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,960 ft³/s, July 19, caused by unusual regulation, gage height, 9.73 ft; minimum daily discharge, 221 ft³/s, Nov. 9 and 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

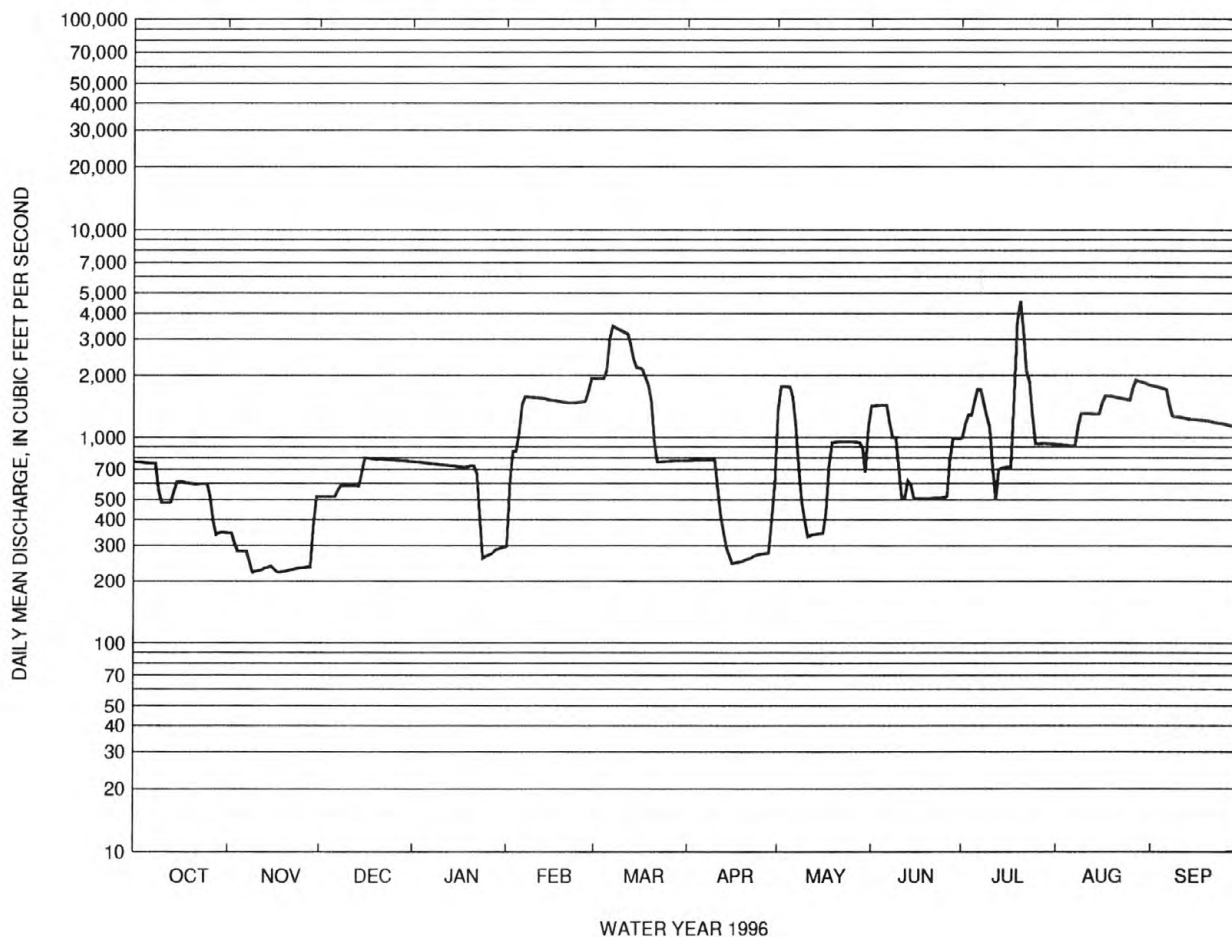
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	764	345	518	763	297	1930	772	1350	1420	999	926	1790
2	761	345	518	762	599	1930	774	1770	1420	1160	925	1780
3	759	310	518	759	861	1930	780	1770	1430	1290	921	1760
4	756	281	517	755	861	1930	779	1760	1430	1280	918	1750
5	753	282	518	753	1060	2120	777	1760	1430	1490	914	1730
6	749	282	517	749	1440	2970	777	1550	1430	1720	912	1710
7	749	281	552	747	1580	3460	777	1110	1170	1710	912	1430
8	749	249	586	744	1570	3400	777	694	1000	1470	1140	1270
9	552	221	584	741	1570	3330	779	480	1000	1270	1310	1260
10	483	224	584	738	1560	3290	780	398	716	1120	1310	1260
11	484	225	585	735	1560	3230	575	331	507	720	1310	1250
12	484	227	585	733	1550	3180	425	336	507	497	1310	1240
13	483	232	585	731	1550	2810	348	339	616	699	1300	1230
14	545	233	582	730	1530	2390	293	340	592	711	1300	1230
15	610	238	683	725	1520	2180	267	342	508	713	1300	1230
16	613	231	798	722	1520	2170	245	343	508	719	1480	1220
17	610	222	795	721	1510	2140	247	432	507	722	1590	1220
18	603	221	793	718	1500	1960	249	731	507	1550	1590	1210
19	600	223	788	718	1490	1790	250	946	507	3680	1590	1210
20	597	224	786	730	1480	1480	253	950	506	4610	1570	1200
21	590	226	788	732	1470	937	257	952	507	3260	1560	1190
22	594	228	786	668	1470	760	260	952	509	2100	1550	1180
23	597	230	783	410	1470	761	265	956	509	1870	1540	1180
24	594	232	782	259	1470	764	270	956	510	1280	1530	1170
25	595	233	779	266	1480	765	272	956	512	933	1520	1160
26	515	233	778	270	1490	767	273	952	518	934	1730	1150
27	391	235	775	273	1500	771	274	949	789	936	1900	1140
28	338	234	773	283	1680	774	275	947	996	937	1880	1130
29	344	374	771	287	1930	773	405	893	993	936	1860	1120
30	347	519	769	291	---	773	619	676	989	932	1840	1120
31	346	---	766	294	---	772	---	1130	---	930	1810	---
TOTAL	17955	7840	20942	18807	40568	58237	14094	28051	24543	43178	43248	39520
MEAN	579	261	676	607	1399	1879	470	905	818	1393	1395	1317
MAX	764	519	798	763	1930	3460	780	1770	1430	4610	1900	1790
MIN	338	221	517	259	297	760	245	331	506	497	912	1120

01018500 ST. CROIX RIVER AT VANCEBORO, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	547	462	538	758	848	709	666	990	907	826	761	670
MAX	1410	1427	2572	1646	3034	1879	2566	2801	1746	1680	1646	1530
(WY)	1974	1982	1960	1955	1978	1996	1976	1945	1952	1984	1984	1989
MIN	121	112	152	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 1995 CALENDAR YEAR			FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996		
ANNUAL TOTAL	178957			356983				
ANNUAL MEAN	490			975		723		
HIGHEST ANNUAL MEAN						1203		
LOWEST ANNUAL MEAN						335		
						1960		
						1985		
HIGHEST DAILY MEAN	925	Feb 18		4610	Jul 20	6210	Jun 3	1984
LOWEST DAILY MEAN	213	Apr 8		221	Nov 9	1.9	Oct 12	1936
ANNUAL SEVEN-DAY MINIMUM	218	Apr 8		225	Nov 17	2.0	Oct 11	1936
INSTANTANEOUS PEAK FLOW				4960	Jul 19	6730	Jun 3	1984
INSTANTANEOUS PEAK STAGE				9.73	Jul 19	11.28	Jun 3	1984
10 PERCENT EXCEEDS	781			1760		1370		
50 PERCENT EXCEEDS	536			777		603		
90 PERCENT EXCEEDS	226			273		222		



01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME

LOCATION.--Lat 45°10'23", long 67°46'06", Washington County, Hydrologic Unit 01050001, on left bank at Big Falls, 0.5 mi southeast of village of Grand Lake Stream, and 0.8 mi downstream from outlet dam of Grand Lake.

DRAINAGE AREA.--227 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 273.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, including periods of ice effect, Dec. 17, 18, 27, 29, Jan. 15, 16, 19, and 28. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8,250,000,000 ft³. Telephone and satellite gage-height telemeters at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft³/s, May 30, gage height, 5.04 ft; minimum daily discharge, 121 ft³/s, Oct. 24 and 27.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	371	125	139	278	180	1480	360	1110	1160	492	624	583
2	369	125	139	296	182	1460	418	1110	1140	678	622	579
3	368	128	139	296	182	1460	419	1100	1010	884	620	579
4	368	128	139	296	182	1440	419	1100	732	887	619	568
5	368	128	139	296	322	1430	418	1100	400	885	618	566
6	367	128	139	296	492	1420	419	930	265	885	650	563
7	369	127	141	296	595	1400	420	690	264	880	1100	510
8	369	145	142	296	594	1390	420	532	261	870	1090	486
9	368	138	142	296	595	1380	420	500	261	865	1080	483
10	367	135	142	207	595	1350	422	446	261	863	1070	483
11	365	135	142	162	594	1330	425	410	261	855	1050	482
12	365	135	142	162	595	1310	432	420	265	847	1030	481
13	362	137	142	163	593	1100	488	420	265	847	1010	480
14	244	137	142	162	591	845	505	420	268	888	998	482
15	164	153	205	e169	589	700	508	420	268	878	981	484
16	142	151	250	e162	587	701	508	420	267	879	966	482
17	139	149	e250	176	590	698	522	397	268	783	954	568
18	136	149	e250	239	587	693	520	384	268	672	774	621
19	136	149	250	e383	716	688	522	384	269	666	297	622
20	130	149	250	474	837	512	524	387	269	679	263	613
21	126	151	250	470	902	237	528	388	271	677	472	605
22	132	152	250	308	995	177	630	388	287	666	925	599
23	127	152	250	160	994	177	718	388	473	636	1080	659
24	121	152	250	165	994	176	980	388	474	408	517	691
25	122	151	250	174	1000	176	1150	387	477	189	511	680
26	122	149	250	170	1010	178	1140	384	481	170	573	615
27	121	142	e250	170	983	177	1140	384	476	171	613	527
28	124	142	250	e182	1280	176	1140	444	473	171	605	518
29	128	139	e250	179	1490	283	1130	634	472	170	600	516
30	127	139	250	179	---	353	1110	1240	470	171	596	536
31	125	---	250	179	---	353	---	1510	---	234	586	---
TOTAL	7242	4220	6174	7441	19846	25250	18755	19215	12776	19846	23494	16661
MEAN	234	141	199	240	684	815	625	620	426	640	758	555
MAX	371	153	250	474	1490	1480	1150	1510	1160	888	1100	691
MIN	121	125	139	160	180	176	360	384	261	170	263	480

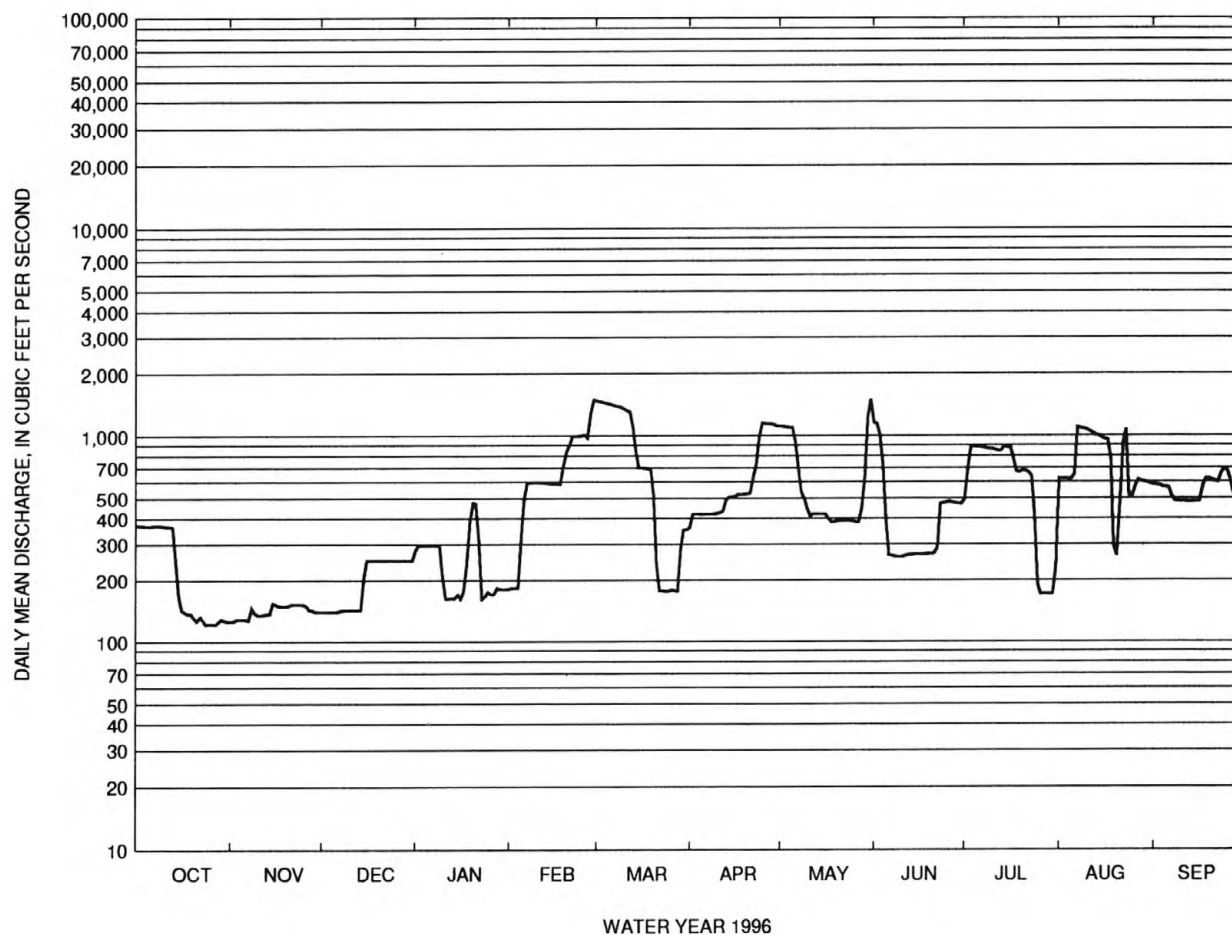
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01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	345	218	252	370	487	454	323	408	456	428	484	461
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 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1929 - 1996
ANNUAL TOTAL	86305	180920	
ANNUAL MEAN	236	494	391
HIGHEST ANNUAL MEAN			701
LOWEST ANNUAL MEAN			178
			1960
			1931
HIGHEST DAILY MEAN	580	Sep 9	1510
LOWEST DAILY MEAN	121	Oct 24	121
ANNUAL SEVEN-DAY MINIMUM	124	Oct 23	124
			May 31
			Oct 24
			Oct 23
INSTANTANEOUS PEAK FLOW		1740	May 30
INSTANTANEOUS PEAK STAGE		5.04	May 30
			2840
			6.35
			Jun 12 1952
			Jun 12 1952
10 PERCENT EXCEEDS	415	1040	822
50 PERCENT EXCEEDS	213	419	288
90 PERCENT EXCEEDS	139	140	118



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

LOCATION.--Lat 45°08'12", long 67°19'05", Washington County, Hydrologic Unit 01050001, on right bank at site of destroyed international highway bridge at Baring.

DRAINAGE AREA.--1,374 mi².

PERIOD OF RECORD.--Discharge: October 1959 to current year. Records prior to water year 1974 have not been published, but are available in the files of the U.S. Geological Survey.

Chemical analyses: Water year 1971.

Water temperatures: October 1959 to September 1976.

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

GAGE.--Water-stage recorder. Datum of gage is 66.23 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Jan. 4-15, 22, 23, Feb. 5-7, 11-20, Mar. 5, and 8-13, and period of doubtful gage-height record, Dec. 6 to Jan. 30, which are fair. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25,000,000,000 ft³. Final regulation is at Woodland, 5.6 mi upstream from gage. Telephone and satellite gage-height telemeters at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft³/s, Oct. 20, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft³/s, July 15, gage height, 9.82 ft; minimum daily discharge, 928 ft³/s, Oct. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1120	2850	2000	2180	5660	5800	3000	4890	3120	2950	3020	2410
2	1150	1980	1780	1720	4290	5320	3010	4980	3150	2830	2930	2630
3	1130	2290	1710	1830	3040	5330	2960	5100	3150	2680	2560	2650
4	1050	2420	1630	e1540	3040	5240	2910	6340	3420	3140	2650	2910
5	928	2370	1620	e1650	e3000	e5120	2950	6680	3380	4500	2490	2600
6	1090	2160	1680	e2200	e2980	5060	3010	5890	3370	5520	2570	2520
7	1490	2170	1630	e3230	e2980	5040	3040	4520	3560	5210	2440	2040
8	1800	5980	1640	e4020	2940	e5060	3010	3480	3390	4780	2610	1440
9	2070	8050	1890	e4510	2960	e5100	2920	2920	3050	5090	2880	1700
10	1450	6550	1770	e4710	2940	e5160	2970	2770	3020	4540	2900	1700
11	1110	7320	1690	e3790	e2860	e5200	3040	3040	2410	3580	2800	1840
12	1060	5980	1420	e2760	e2850	e5160	3330	4920	2370	3250	2680	1930
13	1320	4010	1110	e1960	e2840	e5340	4160	6900	2580	3140	2440	1850
14	1210	5020	1200	e1370	e2840	4420	4540	6470	3180	5880	2500	2420
15	1910	6910	1690	e1960	e2840	3990	4670	5330	3640	8860	2480	2950
16	1960	7250	1680	2340	e2850	4120	5770	4360	3850	8830	2550	2990
17	1650	7750	1630	1720	e2860	4470	7330	4040	3140	7700	2430	2770
18	1420	7430	1680	1600	e2860	4480	7120	4000	2850	6690	2410	2610
19	1400	6040	1700	2180	e2880	4440	6870	3350	2450	6340	2350	2720
20	1090	3810	1700	3200	e2920	4500	6670	3490	2600	7630	2400	2680
21	990	4110	1740	3000	2950	4630	6470	3790	2700	8270	2340	2820
22	1670	4520	1620	e3210	3600	3830	6190	4270	3170	8340	2480	2720
23	1560	4330	1570	e3210	3980	3390	7130	4230	3180	7630	2310	2760
24	1570	4200	1590	5190	4050	3260	7050	3790	3060	5910	2320	2460
25	1530	3660	1620	7800	5160	3150	6520	3350	3010	3930	2400	2140
26	1450	3010	1960	7710	6090	3130	5950	3250	3740	3210	2280	2290
27	1290	2900	1890	8300	6310	3090	5420	3080	3390	3240	2640	2180
28	2230	2240	1730	9110	6630	3030	4160	2880	3300	3170	2650	1820
29	2870	2560	1870	8800	6330	3100	4060	2650	3170	3210	2340	1950
30	3160	2230	1690	8810	---	3050	4700	2870	3130	3200	2410	1870
31	3160	---	1910	7940	---	3010	---	3040	---	3060	2320	---
TOTAL	48888	132100	52040	123550	107530	135020	140930	130670	93530	156310	78580	70370
MEAN	1577	4403	1679	3985	3708	4355	4698	4215	3118	5042	2535	2346
MAX	3160	8050	2000	9110	6630	5800	7330	6900	3850	8860	3020	2990
MTN	928	1980	1110	1370	2840	3010	2910	2650	2370	2680	2280	1440

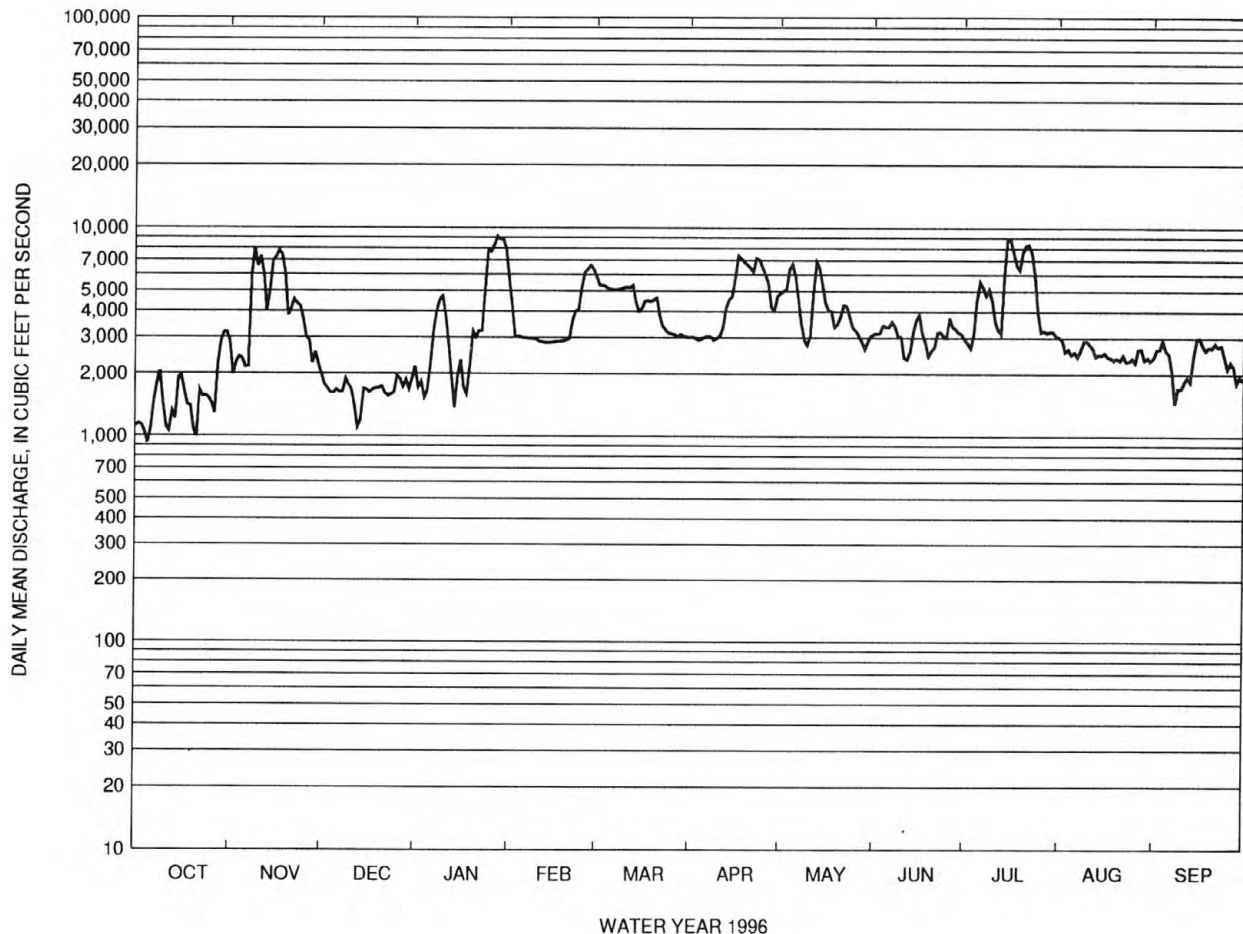
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1854	2372	2760	2391	2751	2942	5226	3825	2472	1762	1655	1707
MAX	3865	5679	8397	5303	6031	6164	9438	7403	6054	5042	2987	3269
(WY)	1982	1964	1960	1978	1978	1979	1976	1989	1977	1996	1981	1981
MIN	555	381	853	837	964	1236	2024	1076	967	652	636	855
(WY)	1965	1965	1979	1985	1985	1993	1985	1987	1966	1966	1966	1978

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1960 - 1996	
ANNUAL TOTAL	738661		1269518			
ANNUAL MEAN	2024		3469		2639	
HIGHEST ANNUAL MEAN					3863	
LOWEST ANNUAL MEAN					1280	
					1960	
					1985	
HIGHEST DAILY MEAN	8050		Nov 9		9110	
LOWEST DAILY MEAN	801		Jan 14		928	
ANNUAL SEVEN-DAY MINIMUM	838		Jan 9		1140	
					Oct 1	
					23200	
					May 29 1961	
					262	
					Oct 20 1964	
					327	
					Nov 6 1964	
INSTANTANEOUS PEAK FLOW			10300		Jul 15	
INSTANTANEOUS PEAK STAGE			9.82		Jul 15	
					23500	
					May 29 1961	
					12.76	
					May 29 1961	
10 PERCENT EXCEEDS	3410		6330		4860	
50 PERCENT EXCEEDS	1690		3000		2200	
90 PERCENT EXCEEDS	934		1640		967	



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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	17.2	13.9	15.4	19.5	17.9	18.4	22.2	20.3	20.8	23.1	21.2	22.2
2	18.0	14.9	16.4	20.8	18.3	19.3	21.5	20.2	20.7	23.0	21.0	21.6
3	17.9	15.2	16.6	20.8	19.1	19.6	22.8	20.5	21.5	21.0	19.9	20.3
4	17.4	16.4	16.8	19.8	19.0	19.4	23.7	21.1	22.3	21.9	19.6	20.6
5	18.0	16.5	17.1	19.5	18.6	19.0	24.6	21.7	23.0	22.4	20.2	21.3
6	19.7	17.2	18.2	19.8	18.7	19.1	25.2	22.9	24.0	22.4	20.7	21.7
7	19.3	18.0	18.6	20.7	18.6	19.6	25.6	23.4	24.5	22.1	20.3	21.3
8	20.9	18.0	19.1	20.2	19.1	19.5	25.5	22.9	23.8	21.8	20.3	20.9
9	20.5	19.2	19.8	19.8	18.6	19.0	24.6	23.0	23.8	20.5	19.2	19.8
10	20.2	18.6	19.0	21.0	18.8	19.7	25.0	23.5	24.2	20.4	19.2	19.6
11	22.1	18.4	19.8	21.7	19.3	20.4	24.9	23.3	24.2	20.6	19.9	20.3
12	22.1	20.3	21.2	22.4	20.0	21.1	24.4	22.3	23.4	20.5	19.5	19.9
13	21.5	19.7	20.3	22.1	20.5	20.9	24.0	22.1	22.8	19.8	17.8	18.8
14	21.4	19.8	20.5	21.5	19.7	20.5	23.9	21.5	22.6	18.0	17.6	17.8
15	22.4	20.2	21.2	21.1	20.2	20.5	23.8	21.8	22.9	17.9	17.5	17.6
16	22.6	20.3	21.4	21.4	19.8	20.4	23.5	21.3	22.5	17.5	17.2	17.3
17	22.7	20.6	21.6	21.9	20.2	21.0	23.3	21.8	22.6	18.0	16.7	17.3
18	22.8	20.7	21.8	22.9	20.8	21.7	23.8	22.1	23.0	17.9	16.2	16.8
19	23.1	20.9	22.0	22.6	21.4	22.0	23.5	21.4	22.6	16.2	15.6	15.9
20	22.9	20.7	21.9	21.7	20.9	21.3	23.7	21.6	22.7	17.1	15.0	16.0
21	22.7	19.3	20.7	21.0	20.3	20.7	23.5	21.9	22.4	17.4	15.6	16.5
22	20.0	19.0	19.5	20.9	19.4	20.2	23.5	22.0	22.6	17.2	15.6	16.2
23	19.6	18.2	18.7	21.1	19.6	20.3	23.5	22.2	22.6	16.3	15.4	15.8
24	19.1	17.8	18.4	20.5	19.9	20.2	23.0	21.9	22.5	15.7	14.7	15.2
25	18.7	17.1	17.6	20.2	19.7	19.9	23.2	21.3	22.3	15.5	14.2	14.7
26	17.2	16.4	16.9	19.8	19.1	19.3	23.5	21.4	22.4	14.7	13.7	14.2
27	18.4	16.1	17.1	20.0	19.0	19.4	23.4	21.9	22.7	15.1	13.4	14.3
28	19.2	16.5	17.7	21.2	18.9	19.9	23.1	21.9	22.4	15.1	14.4	14.7
29	19.8	17.4	18.6	22.1	19.5	20.8	23.4	21.7	22.5	15.5	14.7	15.0
30	19.8	17.3	18.6	22.3	20.1	21.2	23.3	21.0	22.1	15.4	14.6	15.1
31	---	---	---	22.4	20.3	21.3	22.8	21.1	22.0	---	---	---
MONTH PERIOD	23.1 25.6	13.9 13.4	19.1 20.0	22.9	17.9	20.2	25.6	20.2	22.7	23.1	13.4	18.0



Surface-water station
Swift River near Roxbury
August 1988

01021200 DENNY'S RIVER AT DENNYSVILLE, ME

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

DRAINAGE AREA.--92.9 mi².

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

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 15 to Jan. 17, Feb. 4-21, and Mar. 2-20, and period of no gage height record, Sept. 23-25, which are fair. Flow regulated by dam at outlet of Meddybemps Lake, 14 mi upstream, usable capacity about 1,507,000,000 ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,930 ft³/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,400 ft³/s); minimum daily discharge, 8.6, Sept. 30, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,330 ft³/s, Nov. 15, gage height, 5.32 ft; minimum daily discharge, 46 ft³/s, Oct. 1.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	128	107	e68	209	320	197	413	248	114	330	76
2	49	101	133	e68	176	e293	217	484	220	110	289	77
3	49	154	126	e67	153	e282	252	423	202	106	249	87
4	49	218	121	e67	e101	e271	230	430	384	228	223	83
5	50	196	101	e67	e98	e260	217	450	355	404	196	78
6	54	143	109	e67	e96	e250	221	405	288	332	170	76
7	65	110	150	e66	e95	e245	218	344	236	247	121	74
8	64	592	126	e66	e93	e238	216	303	211	187	106	73
9	64	716	100	e66	e96	e233	216	280	198	239	104	98
10	61	464	133	e65	e100	e228	267	213	190	353	123	164
11	59	282	170	e65	e96	e225	368	205	188	291	173	148
12	57	211	135	e64	e89	e222	446	380	151	209	177	117
13	54	209	104	e68	e86	e225	482	426	131	175	175	139
14	53	173	87	e76	e84	e234	417	339	133	813	163	368
15	66	748	e80	e72	e82	e250	478	275	153	868	133	450
16	79	1070	e77	e65	e81	e280	477	236	190	713	125	381
17	70	708	e74	e72	e80	e277	871	242	179	486	123	280
18	63	441	e72	118	e79	e268	799	341	149	335	121	247
19	60	286	e70	177	e78	e256	558	302	128	267	118	368
20	57	219	e68	653	e77	e331	426	318	114	397	115	335
21	55	204	e67	578	e105	515	403	393	114	411	113	263
22	78	376	e66	429	308	533	416	357	146	368	106	210
23	108	353	e66	297	538	465	476	294	171	334	89	e180
24	90	267	e66	283	557	403	518	248	253	360	85	e166
25	77	201	e67	819	761	330	483	214	265	385	82	e161
26	70	167	e67	693	697	307	430	189	326	387	80	166
27	65	147	e69	484	530	345	427	171	268	404	80	157
28	70	134	e73	622	416	287	420	159	197	401	79	147
29	297	126	e72	602	364	242	379	150	151	376	77	153
30	281	109	e70	422	---	217	348	173	126	353	76	159
31	192	---	e69	287	---	203	---	251	---	336	76	---
TOTAL	2552	9253	2895	7613	6325	9035	11873	9408	6065	10989	4277	5481
MEAN	82.3	308	93.4	246	218	291	396	303	202	354	138	183
MAX	297	1070	170	819	761	533	871	484	384	868	330	450
MIN	46	101	66	64	77	203	197	150	114	106	76	73

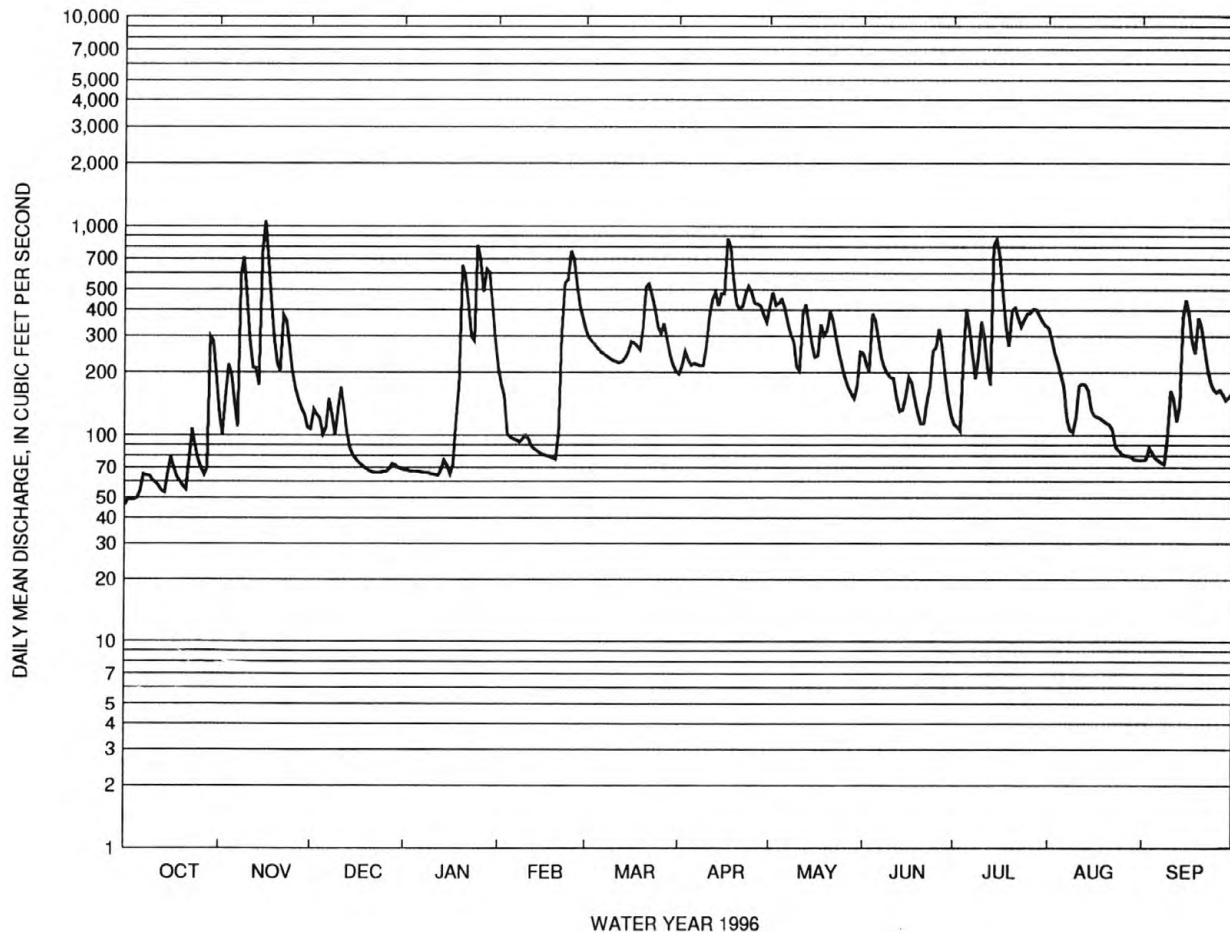
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01021200 DENNY'S RIVER AT DENNYVILLE, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	114	198	216	192	189	253	445	278	170	103	75.1	81.1
MAX	317	505	508	457	548	599	737	732	382	354	205	201
(WY)	1978	1964	1974	1958	1976	1979	1969	1972	1977	1996	1991	1981
MIN	11.7	50.5	48.5	42.3	79.6	128	134	96.4	35.4	25.3	15.7	11.4
(WY)	1958	1979	1956	1985	1995	1971	1985	1957	1965	1965	1956	1957

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1956 - 1996	
ANNUAL TOTAL	55043		85766			
ANNUAL MEAN	151		234		193	
HIGHEST ANNUAL MEAN					292	1973
LOWEST ANNUAL MEAN					96.0	1985
HIGHEST DAILY MEAN	1070	Nov 16	1070	Nov 16	3350	Apr 29 1973
LOWEST DAILY MEAN	37	Jan 6	46	Oct 1	8.6	Sep 30 1957
ANNUAL SEVEN-DAY MINIMUM	48	Sep 25	52	Oct 1	9.5	Sep 25 1957
INSTANTANEOUS PEAK FLOW			1330	Nov 15	3930	Apr 29 1973
INSTANTANEOUS PEAK STAGE			5.32	Nov 15	9.35	Apr 29 1973
10 PERCENT EXCEEDS	305		450		418	
50 PERCENT EXCEEDS	100		194		132	
90 PERCENT EXCEEDS	52		67		44	



01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'35", long 68°06'20", Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the West Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.042 mi². Furnished by U.S. Environmental Protection Agency.

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

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 906.55 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft³/s and 0.050 ft³/s, and periods of no gage-height record, July 17-25 and July 27 to Aug. 1, which are fair, and for flows below 0.050 ft³/s, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9.91 ft³/s, Mar. 27, 1988, gage height, 6.39 ft; no flow for many days in 1988-96.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 8	0510	6.30	6.16	Jan 28	0250	4.24	5.99
Nov. 15	1040	7.91	6.27	Apr. 17	0405	4.24	5.99
Jan. 19	2335	*8.71	*6.32	July 14	0135	6.30	6.16
Jan. 24	2235	4.46	6.01				

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

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.000	.079	.069	.035	.11	.089	.15	.49	.18	.038	e.089	.000
2	.000	.13	.062	.030	.090	.081	.19	.34	.12	.035	.081	.000
3	.000	.32	.057	.029	.076	.080	.16	.21	.20	.032	.062	.008
4	.000	.31	.052	.027	.048	.076	.14	.27	.37	.60	.046	.005
5	.000	.17	.045	.027	.033	.069	.16	.20	.27	.31	.033	.002
6	.000	.12	.090	.027	.031	.069	.18	.16	.20	.18	.025	.001
7	.000	.14	.10	.027	.025	.069	.15	.13	.14	.11	.019	.000
8	.003	2.12	.077	.027	.027	.069	.14	.12	.13	.079	.009	.000
9	.009	.37	.053	.027	.035	.054	.12	.10	.16	.086	.008	.007
10	.001	.20	.11	.027	.038	.047	.12	.091	.16	.072	.008	.009
11	.001	.15	.097	.024	.034	.045	.11	.18	.14	.052	.007	.006
12	.001	.25	.076	.022	.031	.049	.17	.67	.10	.038	.005	.004
13	.000	.22	.061	.032	.027	.066	.23	.31	.079	.39	.004	.020
14	.000	.15	.046	.027	.028	.098	.22	.19	.079	1.89	.003	.15
15	.011	2.40	.045	.027	.027	.15	.18	.14	.073	.51	.002	.47
16	.008	.66	.045	.024	.025	.16	.29	.12	.058	.38	.001	.17
17	.002	.29	.049	.13	.027	.12	1.98	.16	.041	e.23	.001	.11
18	.001	.19	.045	.18	.024	.097	.54	.16	.029	e.13	.001	.096
19	.000	.15	.045	2.45	.022	.11	.55	.14	.026	e.14	.000	.13
20	.000	.13	.045	2.06	.022	.27	.63	.53	.022	e.45	.000	.069
21	.000	.31	.045	.46	.19	.33	.92	.45	.056	e.19	.000	.041
22	.28	.39	.042	.27	.89	.26	.58	.27	.079	e.13	.000	.030
23	.15	.21	.038	.19	.60	.21	.52	.18	.24	e.090	.000	.027
24	.075	.15	.038	1.07	.62	.16	.44	.12	.19	e.11	.000	.027
25	.049	.12	.038	1.42	.53	.14	.32	.095	.34	e.11	.000	.026
26	.036	.11	.038	.34	.21	.29	.23	.084	.23	.18	.000	.027
27	.027	.089	.038	.31	.14	.30	.23	.079	.12	e.40	.000	.024
28	.27	.089	.038	1.50	.12	.19	.19	.069	.079	e.49	.000	.022
29	.50	.080	.038	.35	.11	.15	.16	.060	.055	e.19	.000	.035
30	.16	.076	.037	.20	---	.14	.15	.11	.038	e.12	.000	.032
31	.094	---	.038	.14	---	.13	---	.28	---	e.095	.000	---
TOTAL	1.678	10.173	1.697	11.509	4.190	4.168	10.15	6.508	4.004	7.857	0.404	1.548
MEAN	.054	.34	.055	.37	.14	.13	.34	.21	.13	.25	.013	.052
MAX	.50	2.40	.11	2.45	.89	.33	1.98	.67	.37	1.89	.089	.47
MIN	.000	.076	.037	.022	.022	.045	.11	.060	.022	.032	.000	.000

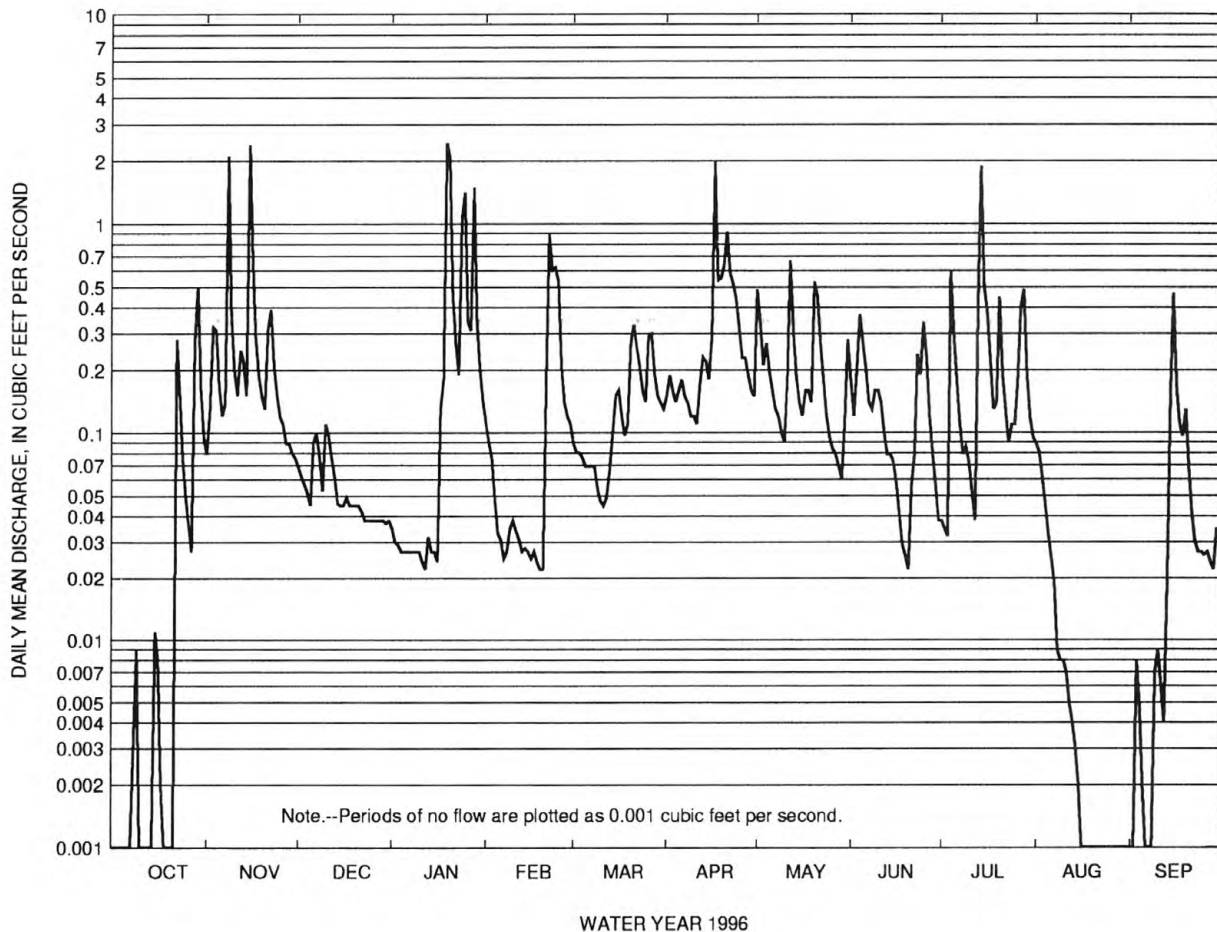
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.083	.20	.13	.15	.065	.18	.27	.17	.058	.034	.006	.017
MAX	.16	.34	.36	.37	.14	.32	.45	.49	.13	.25	.019	.062
(WY)	1992	1996	1994	1996	1996	1991	1993	1989	1996	1996	1992	1991
MIN	.003	.094	.032	.019	.034	.10	.16	.059	.009	.000	.000	.000
(WY)	1995	1995	1990	1989	1995	1994	1988	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1988 - 1996
ANNUAL TOTAL	35.900	63.886	
ANNUAL MEAN	.098	.17	.12
HIGHEST ANNUAL MEAN			.17 1996
LOWEST ANNUAL MEAN			.077 1995
HIGHEST DAILY MEAN	2.40 Nov 15	2.45 Jan 19	4.95 Mar 27 1988
LOWEST DAILY MEAN	.000 Jul 4	.000 Oct 1	.000 Jun 14 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Jul 4	.000 Oct 1	.000 Jun 14 1988
INSTANTANEOUS PEAK FLOW		8.71 Jan 19	9.91 Mar 27 1988
INSTANTANEOUS PEAK STAGE		6.32 Jan 19	6.39 Mar 27 1988
INSTANTANEOUS LOW FLOW		.000 Oct 1	.000 Jun 20 1988
10 PERCENT EXCEEDS	.204	.373	.260
50 PERCENT EXCEEDS	.045	.089	.046
90 PERCENT EXCEEDS	.000	.001	.000



01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'34", long 68°06'23", Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the East Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.040 mi². Furnished by U.S. Environmental Protection Agency.

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

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 912.72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft³/s and 0.050 ft³/s, period of ice effect, Jan. 1-12, and periods of no gage-height record, Nov. 8 and May 31, which are fair, and for flows below 0.050 ft³/s, which are poor. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 15	1030	*6.58	*6.18	Jan. 28	0250	4.03	5.97
Jan. 19	2330	5.90	6.13	Apr. 17	0420	3.53	5.92
Jan. 24	2300	3.93	5.96	July 14	0155	4.68	6.03

Minimum discharge, 0.001 ft³/s, Oct. 2, gage height, 5.03 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.002	.075	.079	e.034	.095	.069	.092	.45	.11	.038	.079	.020
2	.002	.11	.074	e.032	.079	.069	.11	.29	.073	.034	.076	.031
3	.002	.26	.066	e.032	.076	.067	.10	.18	.12	.033	.065	.030
4	.006	.25	.060	e.032	.061	.060	.084	.22	.23	.49	.051	.018
5	.006	.14	.060	e.032	.058	.060	.097	.17	.18	.28	.036	.013
6	.019	.097	.086	e.032	.052	.060	.11	.13	.13	.16	.030	.012
7	.018	.12	.088	e.032	.052	.060	.093	.11	.11	.11	.024	.014
8	.019	e1.89	.064	e.032	.052	.057	.082	.095	.098	.084	.022	.015
9	.018	.35	.060	e.032	.058	.052	.074	.083	.11	.082	.022	.030
10	.010	.19	.098	e.032	.052	.052	.073	.079	.11	.074	.021	.023
11	.010	.15	.082	e.029	.052	.052	.069	.15	.10	.055	.018	.018
12	.010	.24	.064	e.032	.052	.052	.11	.61	.076	.048	.016	.017
13	.008	.21	.060	.046	.049	.060	.16	.28	.066	.32	.014	.029
14	.007	.15	.053	.040	.046	.072	.13	.17	.060	1.61	.014	.12
15	.026	2.25	.052	.036	.045	.095	.11	.13	.060	.44	.012	.39
16	.014	.71	.052	.032	.045	.10	.20	.11	.053	.32	.011	.12
17	.014	.30	.059	.074	.045	.079	1.64	.14	.045	.22	.011	.073
18	.012	.20	.055	.078	.041	.069	.43	.14	.040	.13	.011	.063
19	.015	.16	.046	1.71	.038	.073	.40	.11	.033	.14	.010	.079
20	.016	.14	.045	1.75	.038	.17	.53	.45	.028	.40	.013	.052
21	.015	.28	.045	.33	.16	.26	.88	.40	.051	.18	.022	.030
22	.27	.36	.046	.19	.68	.21	.50	.24	.069	.12	.022	.022
23	.10	.21	.041	.14	.49	.16	.43	.16	.19	.086	.022	.022
24	.063	.16	.038	.85	.54	.11	.36	.12	.15	.099	.020	.022
25	.045	.13	.038	1.40	.47	.10	.27	.10	.25	.099	.017	.022
26	.035	.12	.038	.33	.17	.17	.21	.083	.19	.14	.016	.022
27	.031	.10	.038	.30	.11	.23	.20	.074	.10	.34	.018	.020
28	.21	.10	.038	1.57	.10	.14	.18	.065	.069	.43	.018	.018
29	.46	.097	.038	.34	.080	.11	.16	.060	.053	.17	.016	.025
30	.16	.090	.038	.17	---	.094	.14	.095	.038	.11	.018	.024
31	.099	---	.038	.11	---	.080	---	e.23	---	.084	.018	---
TOTAL	1.722	9.639	1.739	9.879	3.886	3.092	8.024	5.724	2.992	6.926	0.763	1.394
MEAN	.056	.32	.056	.32	.13	.10	.27	.18	.10	.22	.025	.046
MAX	.46	2.25	.098	1.75	.68	.26	1.64	.61	.25	1.61	.079	.39
MIN	.002	.075	.038	.029	.038	.052	.069	.060	.028	.033	.010	.012

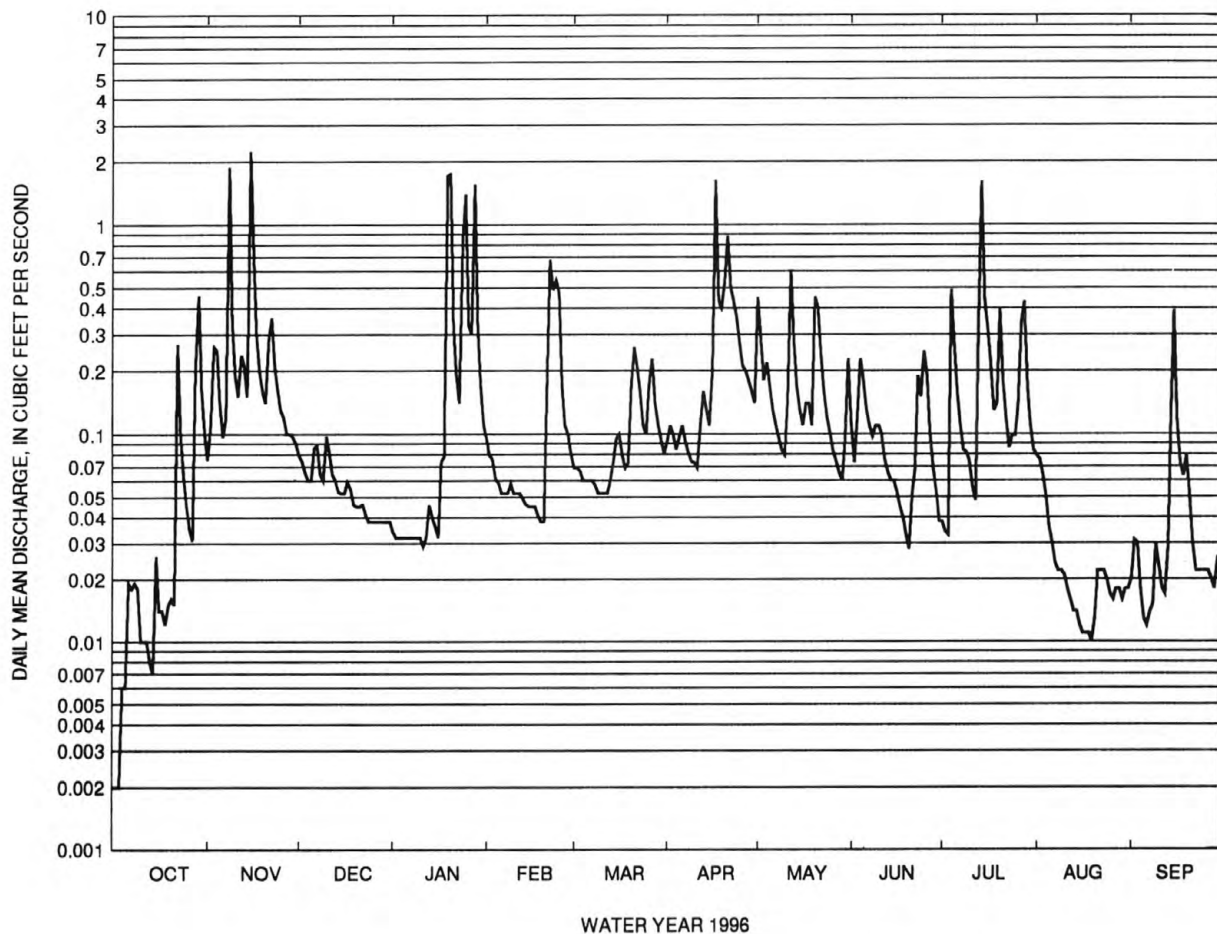
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01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.083	.19	.13	.14	.065	.16	.26	.17	.062	.038	.013	.022
MAX	.15	.32	.38	.32	.13	.32	.47	.51	.11	.22	.025	.073
(WY)	1991	1996	1994	1996	1996	1991	1993	1989	1989	1996	1992	1991
MIN	.015	.086	.034	.020	.040	.083	.17	.072	.017	.005	.002	.003
(WY)	1995	1995	1990	1989	1991	1994	1995	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1988 - 1996
ANNUAL TOTAL	35.865	55.780	
ANNUAL MEAN	.098	.15	.11
HIGHEST ANNUAL MEAN			.15 1996
LOWEST ANNUAL MEAN			.078 1995
HIGHEST DAILY MEAN	2.25 Nov 15	2.25 Nov 15	4.25 Mar 27 1988
LOWEST DAILY MEAN	.002 Aug 20	.002 Oct 1	.000 Jul 16 1988
ANNUAL SEVEN-DAY MINIMUM	.002 Aug 30	.008 Oct 1	.000 Aug 26 1993
INSTANTANEOUS PEAK FLOW		6.58 Nov 15	8.71 Mar 27 1988
INSTANTANEOUS PEAK STAGE		6.18 Nov 15	6.47 Mar 27 1988
INSTANTANEOUS LOW FLOW		.001 Oct 2	.000 Aug 1 1991
10 PERCENT EXCEEDS	.190	.330	.240
50 PERCENT EXCEEDS	.055	.076	.052
90 PERCENT EXCEEDS	.004	.018	.005



01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44°36'29", long 67°56'10", Washington County, Hydrologic Unit 01050002, on left bank 800 ft upstream from railroad bridge at Cherryfield and 0.7 mi downstream from West Branch of Narraguagus River.

DRAINAGE AREA.--227 mi².

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

Chemical analyses: Water years 1954, 1978 to 1986.

Specific conductance: January 1978 to September 1981.

Water temperatures: January 1978 to September 1981.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 15 to Jan. 18, Feb. 3-20, and Mar. 3-15, and period of no gage height record, Oct. 12-16, which are fair. Satellite gage-height telemeter at station.

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

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)
Nov. 8	2330	2,270	12.39	Jan. 28	2115	2,660	12.28
Nov. 16	1300	3,470	13.04	Apr. 17	1945	*4,320	*13.73
Jan. 20	2015	2,080	11.66	July 14	1945	3,150	12.75

Minimum discharge, 37 ft³/s, Oct. 3, 4, gage height, 7.11 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	437	454	e190	1150	654	499	982	645	287	425	82
2	39	369	535	e185	837	550	530	1150	597	262	409	100
3	39	479	452	e180	e690	e475	758	1010	547	242	370	226
4	44	603	442	e175	e565	e430	731	1010	1220	409	330	231
5	46	561	409	e171	e480	e390	657	995	1080	793	296	180
6	63	462	414	e168	e425	e360	617	857	867	743	270	147
7	116	387	515	e166	e375	e345	588	738	684	600	245	123
8	131	1910	427	e164	e330	e328	565	646	582	465	223	107
9	130	2540	364	e162	e348	e318	560	572	562	567	210	144
10	127	1990	514	e160	e360	e305	677	519	576	670	202	316
11	116	1420	572	e159	e328	e300	862	567	584	496	195	254
12	e112	1050	452	e157	e322	e294	1040	1050	533	375	178	200
13	e108	941	367	e200	e313	e290	1160	1280	457	358	168	216
14	e116	830	319	e226	e295	e355	1120	1190	407	2610	161	647
15	e145	1930	e290	e193	e278	e425	1250	977	380	2850	153	1360
16	e160	3390	e276	e177	e270	563	1300	791	344	2390	141	1230
17	140	3220	e266	e215	e268	539	3590	730	305	1720	133	904
18	122	2400	e258	e410	e255	514	3700	798	273	1150	131	683
19	110	1660	e250	615	e249	498	2660	726	245	863	132	671
20	100	1250	e241	1770	e247	637	1880	902	223	1010	124	540
21	91	1090	e232	1910	329	1040	1540	1230	228	1010	117	438
22	197	1360	e227	1720	695	1170	1440	1260	346	895	116	360
23	398	1290	e220	1490	1090	1130	1390	1100	403	714	116	308
24	377	1120	e216	1290	1260	999	1340	872	631	607	115	269
25	320	913	e210	2300	1730	841	1240	693	671	545	109	254
26	262	768	e209	2290	1650	797	1090	579	768	551	102	265
27	217	671	e208	2160	1370	902	1030	505	667	763	99	232
28	199	618	e219	2410	1050	782	947	452	531	828	95	207
29	517	572	e208	2410	837	675	827	413	415	765	94	204
30	631	506	e200	2210	---	592	762	400	335	615	91	214
31	545	---	e195	1670	---	533	---	530	---	484	85	---
TOTAL	5757	36737	10161	27703	18396	18031	36350	25524	16106	26637	5635	11112
MEAN	186	1225	328	894	634	582	1212	823	537	859	182	370
MAX	631	3390	572	2410	1730	1170	3700	1280	1220	2850	425	1360
MIN	39	369	195	157	247	290	499	400	223	242	85	82
CFSM	.82	5.39	1.44	3.94	2.79	2.56	5.34	3.63	2.37	3.79	.80	1.63
IN.	.94	6.02	1.67	4.54	3.01	2.95	5.96	4.18	2.64	4.37	.92	1.82

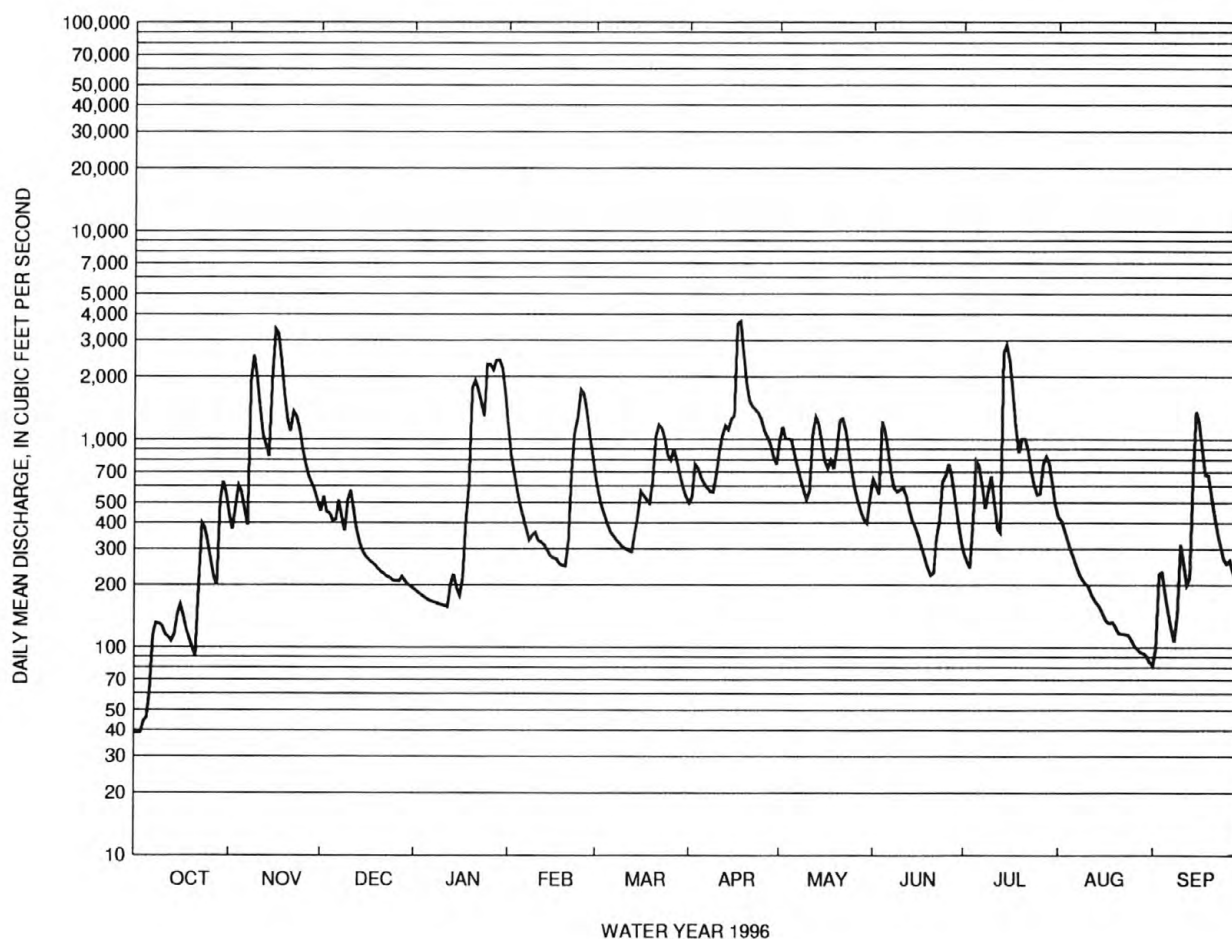
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01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	272	594	647	511	467	698	1226	687	344	195	137	169
MAX	1074	1317	1533	1118	1125	1636	1945	1962	877	859	526	947
(WY)	1978	1960	1970	1958	1976	1979	1982	1989	1984	1996	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1948 - 1996	
ANNUAL TOTAL	167630		238149			
ANNUAL MEAN	459		651		496	
HIGHEST ANNUAL MEAN					761	
LOWEST ANNUAL MEAN					272	
HIGHEST DAILY MEAN	3390		Nov 16		9490	
LOWEST DAILY MEAN	30		Sep 7		7.1	
ANNUAL SEVEN-DAY MINIMUM	32		Sep 1		22	
INSTANTANEOUS PEAK FLOW			4320		Apr 17	
INSTANTANEOUS PEAK STAGE			13.73		Apr 17	
INSTANTANEOUS LOW FLOW			37		Oct 3	
ANNUAL RUNOFF (CFSM)	2.02		2.87		2.18	
ANNUAL RUNOFF (INCHES)	27.47		39.03		29.66	
10 PERCENT EXCEEDS	1080		1350		1140	
50 PERCENT EXCEEDS	320		477		303	
90 PERCENT EXCEEDS	46		133		75	



01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45°30'03", long 68°18'22", Penobscot County, Hydrologic Unit 01020003, on left bank 0.6 mi downstream of Gordon Falls, 0.6 mi upstream from Mattakeunk Stream, 3.6 mi upstream from Mattawamkeag, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--1,418 mi².

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

REVISED RECORDS.--WSP 1501: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 217 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 11, 1991, at site 0.5 mile upstream at datum 12.94 ft higher. Mar. 11, 1991 to May 29, 1996 at site 0.5 mile upstream at datum 10.94 ft higher.

REMARKS.--Records good, except for period of ice effect, Dec. 1 to Jan. 19, and periods of no gage-height record, Jan. 25-31 and Feb. 7 to Mar. 10, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft³/s, Mar. 23, 1936, gage height, 15.34 ft, former site and datum; minimum discharge, 30 ft³/s, Sept. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,500 ft³/s, Apr. 25, gage height, 11.66 ft, former site and datum; minimum discharge 34 ft³/s, Oct. 4, gage height 1.43 ft, former site and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	4250	e2200	e660	12100	e8200	3080	10400	3920	2130	2230	242
2	36	3820	e2060	e650	10600	e7000	3180	9290	3810	1760	2160	227
3	35	3540	e1930	e630	8940	e5900	3410	8420	3300	1460	2120	218
4	36	3570	e1800	e620	7350	e5100	3550	7810	2910	1460	1980	201
5	38	3610	e1700	e610	5950	e4200	3600	7140	2720	2440	1770	191
6	45	3440	e1620	e600	4970	e3700	3570	6400	2610	3280	1550	186
7	55	3100	e1510	e580	e4100	e3250	3530	5620	2560	3500	1360	177
8	73	3520	e1450	e570	e3550	e2950	3510	4860	2540	3300	1190	165
9	87	5070	e1390	e560	e3050	e2700	3470	4200	2410	3340	1100	167
10	119	5910	e1320	e550	e2620	e2500	3500	3670	2200	3680	1110	174
11	152	5950	e1270	e540	e2350	2320	3430	3410	2030	4230	1170	182
12	173	5560	e1210	e530	e2120	2120	3610	4270	1840	4390	1150	186
13	179	5250	e1170	e520	e1940	2000	3980	6260	1910	4080	1050	195
14	174	5060	e1120	e510	e1760	1930	4500	7600	1870	5660	923	277
15	208	5290	e1080	e500	e1590	1960	5000	7790	1850	9700	803	547
16	312	6860	e1040	e520	e1490	2070	5480	7150	2000	12700	712	1070
17	439	8970	e1000	e500	e1390	2180	6160	6280	2000	13700	645	1450
18	485	9580	e970	e500	e1320	2280	7500	5430	1830	13700	598	1420
19	457	9210	e940	e500	e1280	2290	9090	4790	1590	12700	573	1290
20	404	8270	e910	1750	e1210	2320	10200	4900	1370	11100	526	1130
21	350	7180	e880	3140	e1200	2660	11000	5950	1230	9530	490	983
22	408	6330	e860	3840	e1300	3250	12000	6790	1340	8400	464	832
23	649	5750	e830	4220	e2000	3810	13000	6910	1690	7390	431	701
24	887	5260	e810	4670	e3500	4160	13500	6450	2360	6200	409	608
25	969	4700	e790	e6000	e6300	4120	14100	5670	2920	4970	373	551
26	911	4130	e770	e7700	e7500	4030	14200	4820	3760	4080	343	507
27	819	3630	e750	e10500	e8300	4030	14000	4060	4320	3760	331	470
28	764	3240	e730	e12800	e8500	4000	13300	3430	4120	3750	314	453
29	1630	2890	e710	e14000	e8600	3750	12500	3040	3440	3480	304	456
30	3320	2440	e690	e14000	---	3500	11600	2820	2680	3010	283	489
31	4260	---	e680	e13200	---	3240	---	3380	---	2520	260	---
TOTAL	18510	155380	36190	106470	126880	107520	222550	179010	75130	175400	28722	15745
MEAN	597	5179	1167	3435	4375	3468	7418	5775	2504	5658	927	525
MAX	4260	9580	2200	14000	12100	8200	14200	10400	4320	13700	2230	1450
MIN	35	2440	680	500	1200	1930	3080	2820	1230	1460	260	165
CFSM	.42	3.65	.82	2.42	3.09	2.45	5.23	4.07	1.77	3.99	.65	.37
IN.	.49	4.08	.95	2.79	3.33	2.82	5.84	4.70	1.97	4.60	.75	.41

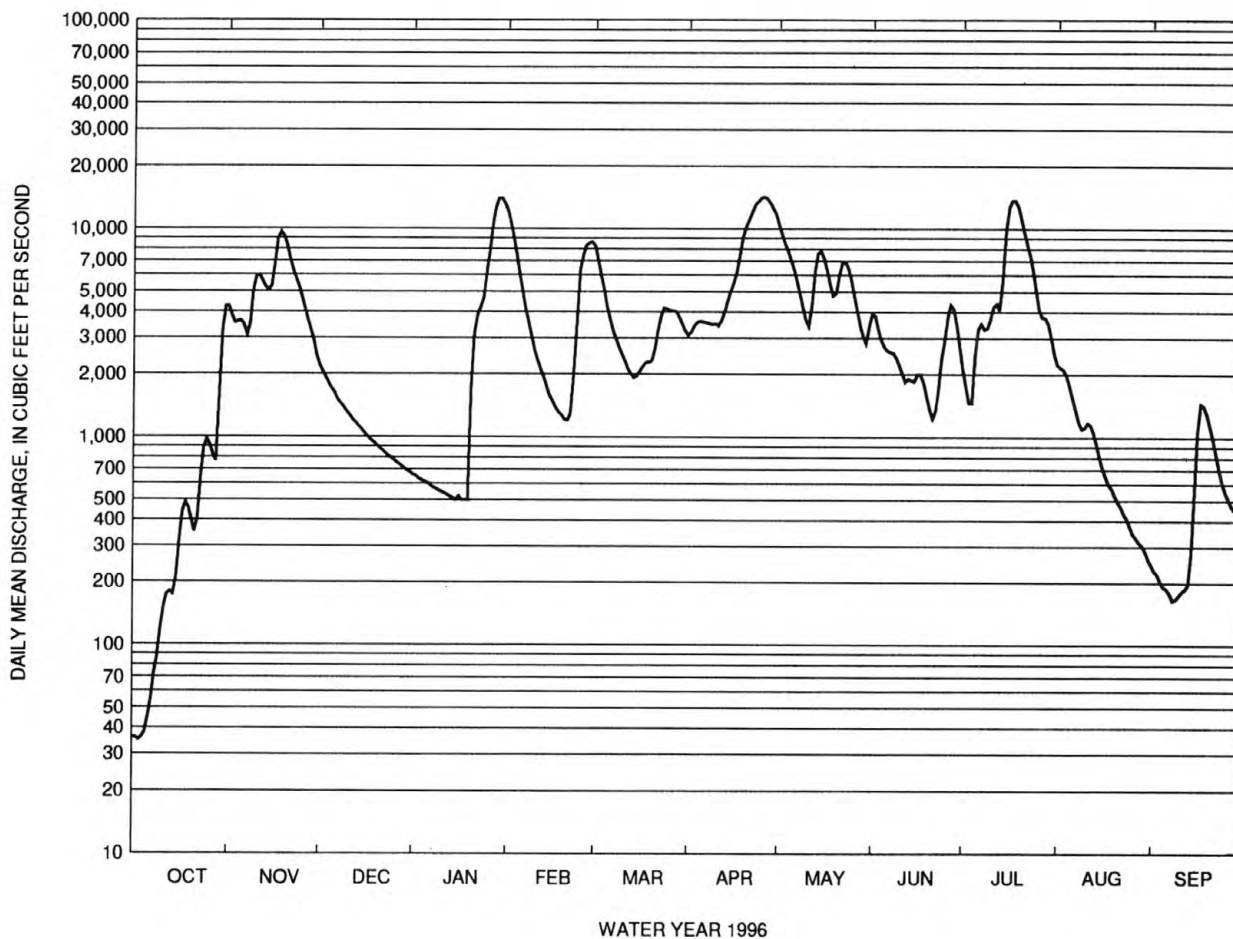
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01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1423	2791	2584	1434	1281	2046	8379	5568	2055	1041	747	811
MAX	6901	8428	9871	3938	4685	11330	13950	12760	7262	5658	2565	5106
(WY)	1982	1964	1951	1978	1970	1936	1976	1961	1984	1996	1962	1954
MIN	146	219	105	197	165	230	3012	1774	405	118	70.9	38.6
(WY)	1947	1956	1956	1948	1944	1944	1944	1987	1988	1991	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1935 - 1996	
ANNUAL TOTAL	801263		1247507			
ANNUAL MEAN	2195		3408		2512	
HIGHEST ANNUAL MEAN					4015	
LOWEST ANNUAL MEAN					1307	
					1984	
HIGHEST DAILY MEAN	10400		14200		29200	
LOWEST DAILY MEAN	32		35		32	
ANNUAL SEVEN-DAY MINIMUM	33		40		33	
INSTANTANEOUS PEAK FLOW			14500		29200	
INSTANTANEOUS PEAK STAGE			11.66		15.34	
INSTANTANEOUS LOW FLOW			34		30	
ANNUAL RUNOFF (CFSM)	1.55		2.40		1.77	
ANNUAL RUNOFF (INCHES)	21.02		32.73		24.07	
10 PERCENT EXCEEDS	5730		8330		6480	
50 PERCENT EXCEEDS	1000		2380		1230	
90 PERCENT EXCEEDS	45		348		265	



01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'31", long 69°18'55", Piscataquis County, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.

DRAINAGE AREA.--298 mi².

PERIOD OF RECORD.--Discharge: August 1902 to current year. Daily gage height and monthly discharge only for August to September 1902. Chemical analyses: Water year 1955.

Water temperatures: May 1987 to September 1989.

REVISED RECORDS.--WSP 279: 1902. WSP 1201: 1903-17, 1918-30(M), 1934-35. WSP 1301: 1909(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 358.47 ft above National Geodetic Vertical Datum of 1929. Prior to July 20, 1930, nonrecording gage at same site and datum. July 20, 1930 to Oct. 1, 1981, at datum 0.37 ft lower.

REMARKS.--Records good, except for periods of ice effect, Nov. 25 to Jan. 20, Jan. 31 to Feb. 22, and Feb. 27 to Mar. 13, and periods of no gage-height record, May 9-12, and 29-30, which are fair. Low flow may be regulated by operation of mills above station. Telephone and satellite gage-height telemeters at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	0230	7,120	8.83	Feb. 23	0500	8,000	9.41
Nov. 13	0200	5,780	7.95	Apr. 17	1645	6,270	8.28
Nov. 16	0300	8,380	9.66	Apr. 24	1330	5,100	7.46
Jan. 20	1400	5,650	7.86	July 14	1215	9,700	10.54
Jan. 28	1315	*11,200	*11.48				

Minimum discharge, 19 ft³/s, Oct. 3, gage height, 1.52 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	1090	e380	e150	e1530	e1000	740	2590	668	422	293	47
2	22	926	e360	e148	e1230	e825	1010	2630	476	400	289	45
3	20	1570	e345	e146	e990	e710	1060	1870	364	340	272	44
4	21	1570	e325	e143	e830	e625	838	1500	325	1140	239	43
5	21	1210	e312	e142	e720	e560	776	1330	415	1980	216	41
6	30	930	e300	e140	e630	e510	837	1130	515	1680	193	39
7	133	785	e287	e139	e560	e465	897	939	504	1140	166	37
8	180	2790	e276	e138	e505	e430	832	802	459	866	149	35
9	148	2500	e265	e137	e452	e405	762	e705	563	947	304	42
10	110	1540	e255	e132	e410	e390	797	e638	795	1270	592	54
11	89	1120	e249	e129	e380	e385	800	e660	774	1070	411	62
12	77	2500	e240	e127	e352	e370	775	e3100	564	750	286	53
13	66	4560	e232	e152	e328	e362	998	2410	433	671	225	50
14	59	2500	e225	e158	e309	406	1080	1640	610	7360	188	230
15	148	4110	e218	e173	e289	470	1110	1200	528	4600	155	3110
16	352	6950	e211	e165	e273	627	1390	967	379	3030	134	1780
17	244	3610	e206	e160	e260	716	5180	816	295	2420	126	1060
18	178	2130	e201	e162	e246	615	4840	714	247	1600	124	697
19	131	1530	e196	e215	e235	557	3170	699	211	1150	112	482
20	104	1270	e191	e4500	e226	597	3030	1670	184	1860	99	348
21	90	1100	e205	3910	e410	782	3480	2020	197	1600	91	269
22	1290	1070	e206	2630	e3500	926	4560	1400	591	1190	89	222
23	1550	938	e198	1970	6680	983	4390	1090	947	897	88	188
24	873	808	e182	1570	4110	856	4790	855	1390	723	83	160
25	552	e640	e180	2940	4200	736	3900	667	1580	619	77	146
26	386	e570	e179	2650	2950	747	2720	547	1960	638	71	146
27	304	e510	e177	1940	e2020	1040	3200	468	1190	686	65	135
28	1950	e470	e169	8880	e1460	874	3060	410	828	557	63	124
29	5590	e435	e159	5530	e1250	747	2100	e380	599	442	59	218
30	2720	e405	e155	3260	---	689	1710	e539	448	367	55	351
31	1590	---	e152	e2050	---	661	---	889	---	317	51	---
TOTAL	19051	52137	7236	44686	37335	20066	64832	37275	19039	42732	5365	10258
MEAN	615	1738	233	1441	1287	647	2161	1202	635	1378	173	342
MAX	5590	6950	380	8880	6680	1040	5180	3100	1960	7360	592	3110
MIN	20	405	152	127	226	362	740	380	184	317	51	35
CFSM	2.06	5.83	.78	4.84	4.32	2.17	7.25	4.03	2.13	4.63	.58	1.15
IN.	2.38	6.51	.90	5.58	4.66	2.50	8.09	4.65	2.38	5.33	.67	1.28

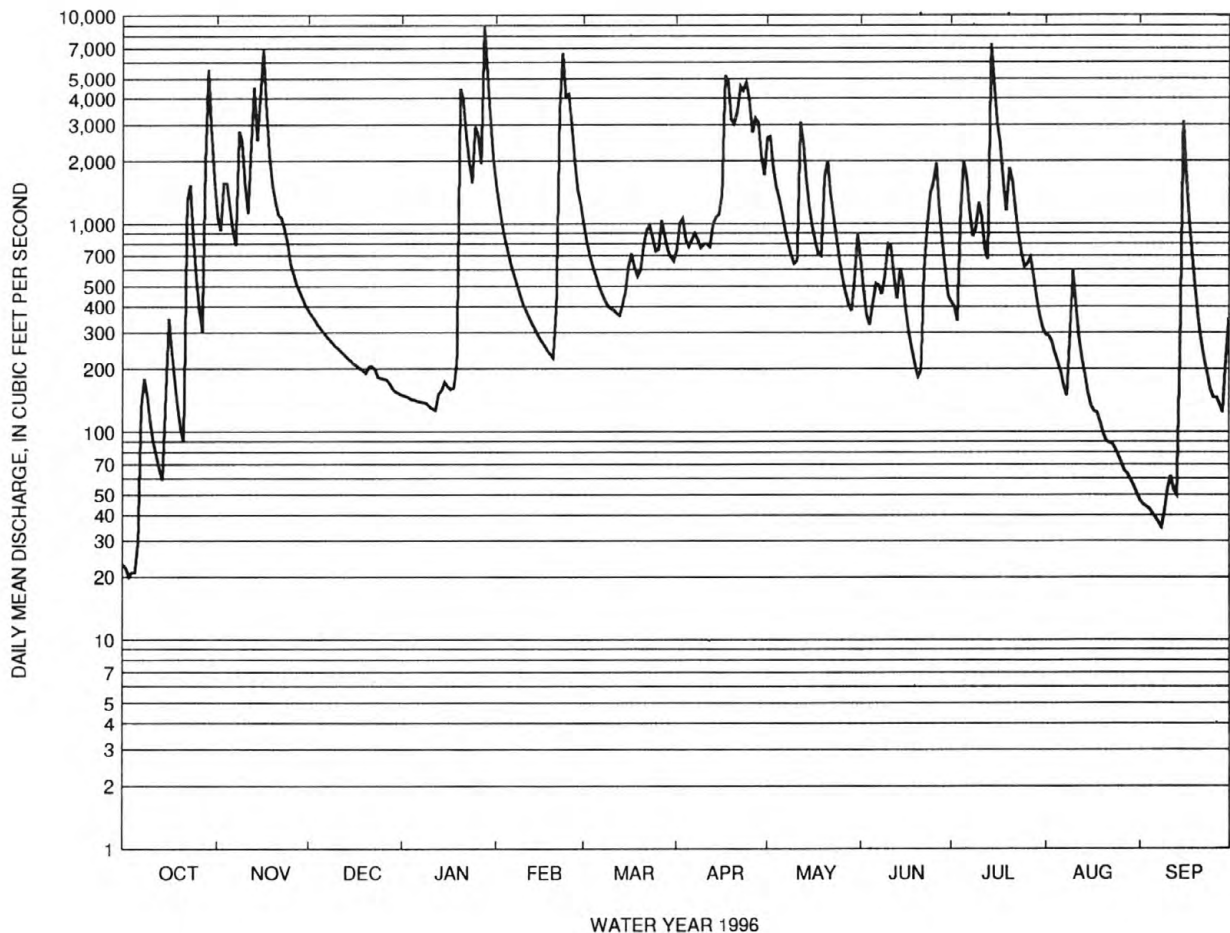
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01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	398	687	541	314	276	590	2082	1288	469	246	177	183
MAX	1910	2468	2699	1441	1582	3791	3459	3399	1916	1378	974	1461
(WY)	1978	1964	1974	1996	1970	1936	1983	1969	1917	1996	1917	1954
MIN	35.2	39.0	47.5	61.5	31.2	105	766	286	68.8	42.9	23.2	16.7
(WY)	1948	1911	1979	1918	1980	1967	1981	1903	1921	1965	1978	1948

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1903 - 1996	
ANNUAL TOTAL	202281.7		360012			
ANNUAL MEAN	554		984		604	
HIGHEST ANNUAL MEAN					990	
LOWEST ANNUAL MEAN					238	
HIGHEST DAILY MEAN	6950	Nov 16	8880	Jan 28	31700	Apr 1 1987
LOWEST DAILY MEAN	6.2	Sep 13	20	Oct 3	5.0	Aug 6 1905
ANNUAL SEVEN-DAY MINIMUM	10	Sep 10	39	Oct 1	10	Sep 10 1995
INSTANTANEOUS PEAK FLOW			11200	Jan 28	37300	Apr 1 1987
INSTANTANEOUS PEAK STAGE			11.48	Jan 28	22.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			19	Oct 3	5.0	Aug 6 1905
ANNUAL RUNOFF (CFSM)	1.86		3.30		2.03	
ANNUAL RUNOFF (INCHES)	25.25		44.94		27.54	
10 PERCENT EXCEEDS	1420		2640		1550	
50 PERCENT EXCEEDS	230		543		255	
90 PERCENT EXCEEDS	26		102		56	



01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45°15'40", long 68°52'07", Piscataquis County, Hydrologic Unit 01020004, on left bank 2.0 mi southwest of Medford and 3.3 mi downstream from Pleasant River.

DRAINAGE AREA.--1,162 mi².

PERIOD OF RECORD.--Discharge: June 1924 to September 1982, October 1989 to current year.

Chemical analysis: Water years 1952-53.

REVISED RECORDS.--WSP 1231: 1936. WSP 1301: 1925-29(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 248.68 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 14, 1929, nonrecording gage at site 1.8 mi downstream at different datum.

REMARKS.--Records fair, including periods of ice effect, Dec. 2 to Jan. 20, Feb. 1-20, and Feb. 29 to Mar. 12. Flow regulated by Sebec Lake, 15 mi upstream, and other small reservoirs and power plants above station, usable capacity about 2,511,000,000 ft³. Satellite gage-height telemeter at station.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	1315	14,100	7.71	Feb. 25	2015	16,600	8.30
Nov. 16	1600	21,300	9.32	Apr. 18	1000	15,300	8.00
Jan. 21	0915	13,700	7.62	Apr. 24	2345	16,000	8.15
Jan. 29	0900	*24,000	*9.89	July 15	0200	23,400	9.77

Minimum discharge, 200 ft³/s, Sept. 8, 9, gage height, 1.50 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	3960	1730	e860	e8080	e5440	2880	8610	3400	2270	1560	309
2	274	3240	e1430	e850	e6580	e4640	3290	10900	2710	2120	1460	898
3	271	3990	e1410	e840	e5600	e4000	3600	9020	2170	1870	1280	695
4	276	4780	e1340	e830	e4840	e3510	2940	7460	1630	2040	978	276
5	312	4240	e1310	e820	e4200	e3140	2770	6630	1750	4090	877	248
6	297	3470	e1280	e820	e3740	e2860	2860	5750	1930	4100	798	234
7	376	2990	e1240	e810	e3330	e2620	2880	5050	2130	3430	716	210
8	585	5400	e1210	e810	e3040	e2480	2900	4460	2110	2840	722	203
9	704	9220	e1190	e800	e2770	e2390	2700	4040	2250	3010	1060	214
10	630	6810	e1150	e790	e2550	e2290	2710	3720	2400	3860	1740	251
11	515	5240	e1140	e780	e2320	e2260	2770	3650	2520	4180	1750	282
12	502	4930	e1130	e770	e2150	e2200	2810	7010	2180	3180	1420	282
13	469	11200	e1100	e860	e2010	2260	3330	9640	2520	3360	752	275
14	403	8890	e1080	e920	e1900	2310	3690	7340	2410	13800	629	415
15	1060	10100	e1050	e940	e1830	2440	3970	5880	2420	20700	528	5130
16	1530	20100	e1030	e930	e1720	2690	4190	4980	2100	13700	456	6140
17	1590	16300	e1010	e910	e1670	2770	9700	4460	1740	11300	398	4110
18	1420	10200	e1000	e920	e1610	2560	14600	4100	1440	8330	412	2970
19	1340	7480	e980	e1400	e1580	2210	11500	3950	1460	6270	427	2420
20	1240	6190	e960	e4000	e1570	2470	10200	5640	1180	6630	424	1990
21	1130	5330	e1000	12700	1580	3020	10400	8660	923	7190	403	1020
22	1480	4940	e1010	10000	3980	3810	12900	6780	1720	5920	374	812
23	3830	4350	e1000	7280	13800	3930	13800	5630	2940	4820	355	709
24	2790	3920	e970	5990	15900	3730	14800	4750	4710	3440	365	609
25	2220	3110	e950	8000	15900	3350	15000	3130	4700	2780	359	518
26	1850	2770	e930	10700	14800	3180	11500	2050	6740	2740	336	511
27	1610	2560	e920	8430	11000	3510	10800	1740	5070	3140	332	466
28	2130	2470	e910	16300	8580	3400	12700	1770	3900	2820	325	439
29	12400	2100	e890	22400	e6760	3140	9920	1720	3070	2430	306	793
30	9160	1970	e880	16300	---	2990	7890	1920	2560	2080	283	1460
31	5420	---	e860	11100	---	2860	---	3250	---	1580	264	---
TOTAL	58092	182250	34090	149860	155390	94460	216000	163690	78783	160020	22089	34889
MEAN	1874	6075	1100	4834	5358	3047	7200	5280	2626	5162	713	1163
MAX	12400	20100	1730	22400	15900	5440	15000	10900	6740	20700	1750	6140
MIN	271	1970	860	770	1570	2200	2700	1720	923	1580	264	203
CFSM	1.61	5.23	.95	4.16	4.61	2.62	6.20	4.54	2.26	4.44	.61	1.00
IN.	1.86	5.83	1.09	4.80	4.97	3.02	6.91	5.24	2.52	5.12	.71	1.12

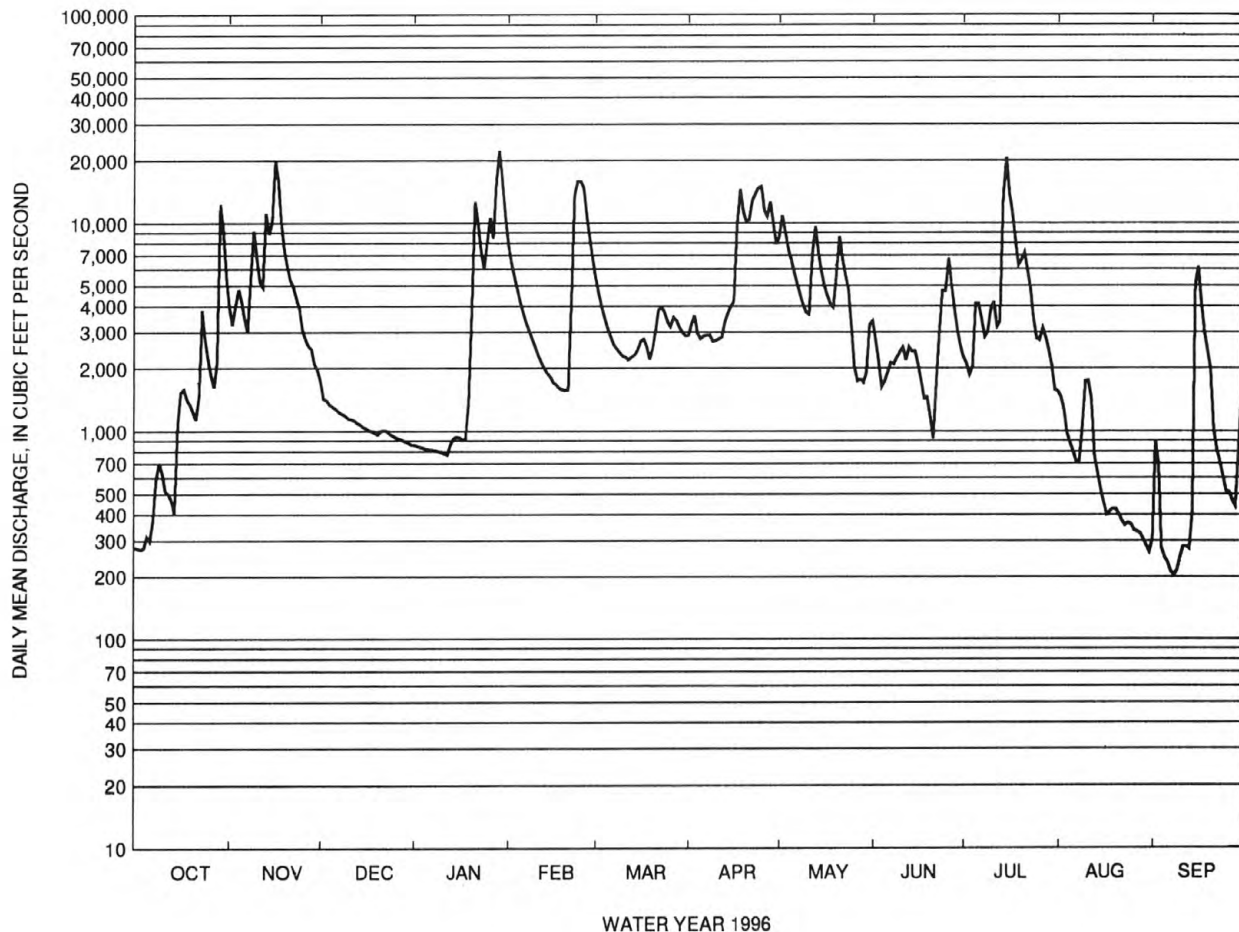
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01034000 PISCATAQUIS RIVER AT MEDFORD, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1596	2699	2257	1424	1399	2256	7186	4825	1893	1088	795	931
MAX	6289	7672	11590	4834	5659	14520	12220	10920	4678	5162	3686	5426
(WY)	1978	1964	1974	1996	1970	1936	1993	1969	1931	1996	1954	1954
MIN	276	405	363	339	334	513	2876	1411	623	249	161	149
(WY)	1936	1979	1930	1948	1980	1967	1981	1941	1941	1991	1952	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1924 - 1996	
ANNUAL TOTAL	745430		1349613		2362	
ANNUAL MEAN	2042		3687		3715	
HIGHEST ANNUAL MEAN					1254	
LOWEST ANNUAL MEAN					1957	
HIGHEST DAILY MEAN	20100		22400		52900	
LOWEST DAILY MEAN	112		203		106	
ANNUAL SEVEN-DAY MINIMUM	117		234		117	
INSTANTANEOUS PEAK FLOW			24000		60100	
INSTANTANEOUS PEAK STAGE			9.89		15.58	
INSTANTANEOUS LOW FLOW			200		99	
ANNUAL RUNOFF (CFSM)	1.76		3.17		2.03	
ANNUAL RUNOFF (INCHES)	23.86		43.21		27.62	
10 PERCENT EXCEEDS	4690		9660		5610	
50 PERCENT EXCEEDS	1210		2430		1210	
90 PERCENT EXCEEDS	197		451		435	



01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

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

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

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

Chemical analyses: Water years 1966 to 1978.

Specific conductance: October 1973 to September 1978.

Water temperatures: July 1966 to September 1978.

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

GAGE.--Water-stage recorder. Datum of gage is 125.94 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 11, 1912, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 8 to Feb. 21, and Mar. 6-16, which are fair. Flow regulated by many reservoirs above station, combined capacity about 54,336,000,000 ft³. Telephone and satellite gage-height telemeters at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71,600 ft³/s, Apr. 29, gage height, 15.48 ft; Minimum daily discharge, 2,950 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2950	15400	10500	e6630	e45000	33700	15600	67700	14000	13100	10300	5040
2	3000	13600	9840	e6200	e38000	30300	15300	66400	13300	11100	10900	5640
3	3020	13900	9760	e5700	e32000	26800	15400	65000	13300	9540	10800	5690
4	3160	15900	9220	e5500	e27000	24300	15400	57100	12500	9730	9340	4450
5	3210	15900	8950	e5800	e24000	22200	15300	44900	12300	12100	8670	4860
6	3320	14300	8920	e5600	e21000	e20000	15000	35900	12800	14300	7970	4530
7	3370	12600	8820	e5400	e18500	e18000	14900	30300	14700	13600	8060	5070
8	3630	13900	e8300	e5500	e17000	e16200	14800	26000	14800	12700	7060	5220
9	3840	22500	e7800	e5700	e16900	e14500	14700	19800	13900	14500	7660	5370
10	3780	22700	e7500	e6000	e16800	e13800	14800	16400	13000	18300	8680	5440
11	3690	21000	e7100	e6100	e14000	e13600	14700	16700	12300	21600	9240	5540
12	3400	19400	e7000	e6100	e11700	e13500	15000	24300	11900	21600	8700	5530
13	3520	22800	e8000	e6050	e11900	e13500	15200	34300	11900	21300	7590	5580
14	3480	26300	e7700	e6040	e10000	e13400	15800	36000	11100	40700	7120	6180
15	4210	26000	e7200	e6000	e10700	e13200	17100	34800	12100	68400	6340	13100
16	5180	41800	e7300	e5600	e10900	e13500	18500	31200	12600	57900	5690	20600
17	5570	53100	e7400	e5100	e10000	13800	21900	29200	11000	51000	5830	16200
18	5370	45100	e7500	e5200	e8300	13800	34200	27100	10300	43900	5700	12900
19	4800	38200	e7100	e6000	e8850	13600	39300	25100	9680	38500	5360	11700
20	4360	33500	e6900	e10000	e9200	13400	38800	27000	8740	36000	5240	10900
21	4320	29600	e6700	e20000	e9400	13700	38300	36100	7940	37200	5400	8980
22	5280	26400	e7400	e31000	10700	15000	39400	36600	8590	32800	5110	8240
23	8230	23800	e7300	e27000	17400	16700	43600	34000	11500	28600	4790	7770
24	8850	21100	e7200	e26000	31500	17300	49000	32100	16400	24100	5330	7090
25	7070	19300	e7000	e28500	37800	17400	61900	28200	18500	19100	4890	6880
26	6590	17100	e7400	e33000	42000	17200	67800	25600	23500	16700	4600	6420
27	6130	15600	e7000	e37500	42400	17100	68600	23300	23300	15800	4940	6550
28	5880	14200	e5800	e39500	40500	16900	70200	20400	20900	15800	5000	6620
29	19300	13100	e5780	e45000	37000	16800	71400	16600	18000	14800	4790	6600
30	24000	11600	e5770	e60000	---	16500	70100	13300	16000	13000	5050	7510
31	18700	---	e6700	e53000	---	16000	---	13400	---	11400	5010	---
TOTAL	191210	679700	239860	520720	630450	535700	962000	994800	410850	759170	211160	232200
MEAN	6168	22660	7737	16800	21740	17280	32070	32090	13690	24490	6812	7740
MAX	24000	53100	10500	60000	45000	33700	71400	67700	23500	68400	10900	20600
MIN	2950	11600	6700	5100	8300	13200	14700	13300	7940	9540	4600	4450

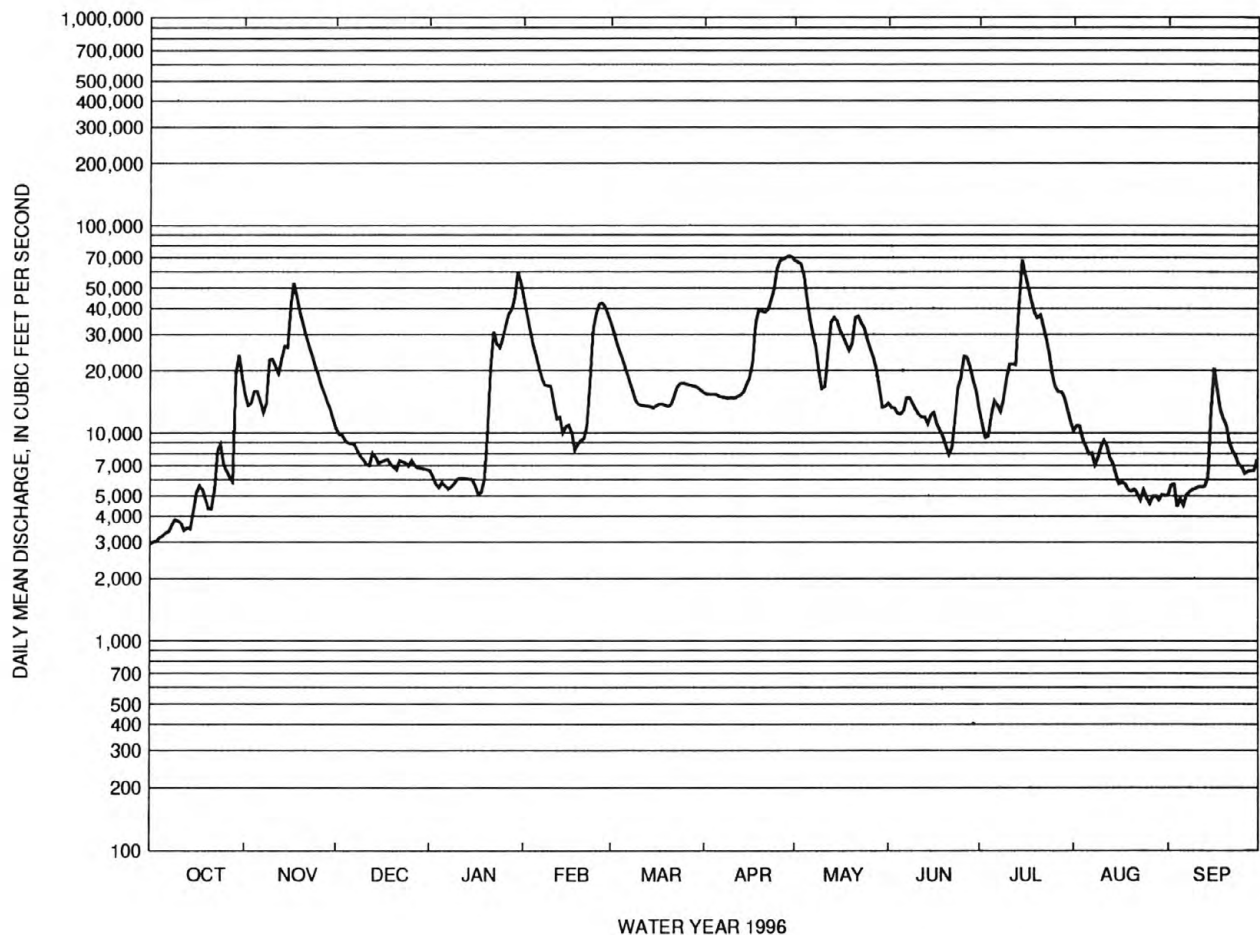
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01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8463	11880	10490	8030	7496	10800	29330	23990	11870	7817	6535	6577
MAX	28330	32430	34680	19620	21960	46110	50510	46430	38660	24490	17460	27130
(WY)	1982	1964	1974	1978	1970	1936	1976	1974	1917	1996	1976	1954
MIN	2255	2629	3411	2890	1799	2449	14490	10090	4079	4028	3375	3187
(WY)	1904	1906	1909	1904	1904	1911	1926	1985	1988	1991	1978	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1903 - 1996
ANNUAL TOTAL	3629880	6367820	
ANNUAL MEAN	9945	17400	11940
HIGHEST ANNUAL MEAN			17760
LOWEST ANNUAL MEAN			6382
			1973
			1911
HIGHEST DAILY MEAN	53100	Nov 17	71400
LOWEST DAILY MEAN	2940	Sep 30	2950
ANNUAL SEVEN-DAY MINIMUM	3040	Sep 28	3150
			Oct 1
INSTANTANEOUS PEAK FLOW		71600	Apr 29
INSTANTANEOUS PEAK STAGE		15.48	Apr 29
			153000
			25.15
			May 1 1923
			May 1 1923
10 PERCENT EXCEEDS	20500	37900	25500
50 PERCENT EXCEEDS	7180	13400	7800
90 PERCENT EXCEEDS	3310	5230	4570



01036390 PENOBSCOT RIVER AT EDDINGTON, ME

LOCATION.--Lat 44°49'33", long 68°41'48", Penobscot County, Hydrologic Unit 01020005, on left bank 0.4 mi downstream from Veazie Dam at Eddington, on Monument Drive, 750 ft north of intersection with State Highway 178.

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

PERIOD OF RECORD.--Discharge: April 1979 to September 1996 (discontinued).

Chemical analyses: Water years 1979 to August 1994.

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

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

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

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

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

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

REMARKS.--Records fair, including periods of ice effect, Dec. 8-22, Dec. 30 to Jan. 19, Feb. 4-9, 12-21, Mar. 10-14, 17, 19, 20, and period of no gage height record, Aug. 19. Flow regulated by many reservoirs above station, combined capacity about 54,336,000,000 ft³. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 159,000 ft³/s, Apr. 3, 1987, gage height, 23.53 ft; minimum daily discharge, 2,690 ft³/s, Sept. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 92,300 ft³/s, Jan. 30, gage height, 16.70 ft; minimum daily discharge, 2,910 ft³/s, Oct. 1 and 2.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2910	19100	10400	e7800	52100	34800	16300	66600	17000	17100	13700	5760
2	2910	16600	9620	e6900	43400	31300	17100	66400	16700	14100	12700	5860
3	2980	16200	10300	e6400	36100	27900	18600	65400	15800	12300	13100	6850
4	3190	18400	9800	e6300	e30500	24100	18900	58500	15600	11200	12200	6090
5	3320	19100	9830	e6600	e27000	21200	18200	48300	14700	12000	11000	4920
6	3240	17700	10300	e6200	e25000	19800	17100	38800	14700	15400	10200	5390
7	3690	14900	9750	e6100	e22000	18400	17100	32800	15700	15800	9450	5060
8	3700	15900	e9300	e6300	e19800	16500	17300	28100	16700	14800	8790	5750
9	4290	24400	e8700	e6600	e19600	14300	17000	25000	16600	14800	8270	6120
10	4260	27800	e8300	e6700	18300	e14200	17200	20300	15400	17800	9330	5970
11	4140	25100	e8100	e6800	15600	e13900	17100	20300	14800	22200	10300	6700
12	4060	23000	e8000	e6800	e13700	e14900	16400	25600	14200	23800	10700	6280
13	3450	25100	e9000	e6750	e13900	e14800	18900	36700	13500	23900	9800	6790
14	3980	30500	e8500	e6700	e8500	e14900	21400	41600	13700	33500	8760	6780
15	3930	30500	e8200	e6500	e11000	15500	23600	40900	12900	60700	8010	10200
16	5350	43200	e8200	e6200	e11900	16000	25900	37700	14600	66000	6600	22000
17	6170	57000	e8400	e5800	e10900	e14700	30800	35300	13800	58400	6450	22200
18	6200	51800	e8450	e5700	e9400	16700	45200	32900	12100	53300	6580	18000
19	5960	43900	e7800	e7400	e9900	e15000	48300	30800	11100	46500	e6000	15000
20	5290	38500	e7620	12200	e10500	e15000	44700	31000	10400	42700	5730	13600
21	4640	34100	e7500	23700	e12200	17700	43500	38300	9960	41800	5820	12200
22	5280	30700	e8300	33200	18900	20900	45600	42300	9430	39700	6150	10500
23	7280	28200	8260	29700	27400	23600	50400	40800	12000	34600	5720	9720
24	10600	25500	8010	28000	40600	23500	54600	38300	16700	30600	5710	9270
25	9440	23100	7840	29800	43300	22500	66300	34600	21500	25200	6030	8470
26	8400	20100	8420	35700	46700	21200	71400	31400	25400	21300	5270	8280
27	7530	18200	7790	40300	46200	20300	72300	28600	28300	20000	5760	7810
28	7040	16300	7630	42700	43900	20400	74000	25800	26200	19700	6240	7720
29	13100	15000	7720	46700	39200	19400	75000	21200	23100	19200	5220	8170
30	27600	12400	e7800	66500	---	18300	70800	18500	20100	17300	5270	7830
31	24300	---	e7600	64100	---	17300	---	15700	---	15300	5690	---
TOTAL	208230	782300	265440	577150	727500	599000	1091000	1118500	482690	861000	250550	275290
MEAN	6717	26080	8563	18620	25090	19320	36370	36080	16090	27770	8082	9176
MAX	27600	57000	10400	66500	52100	34800	75000	66600	28300	66000	13700	22200
MIN	2910	12400	7500	5700	8500	13900	16300	15700	9430	11200	5220	4920

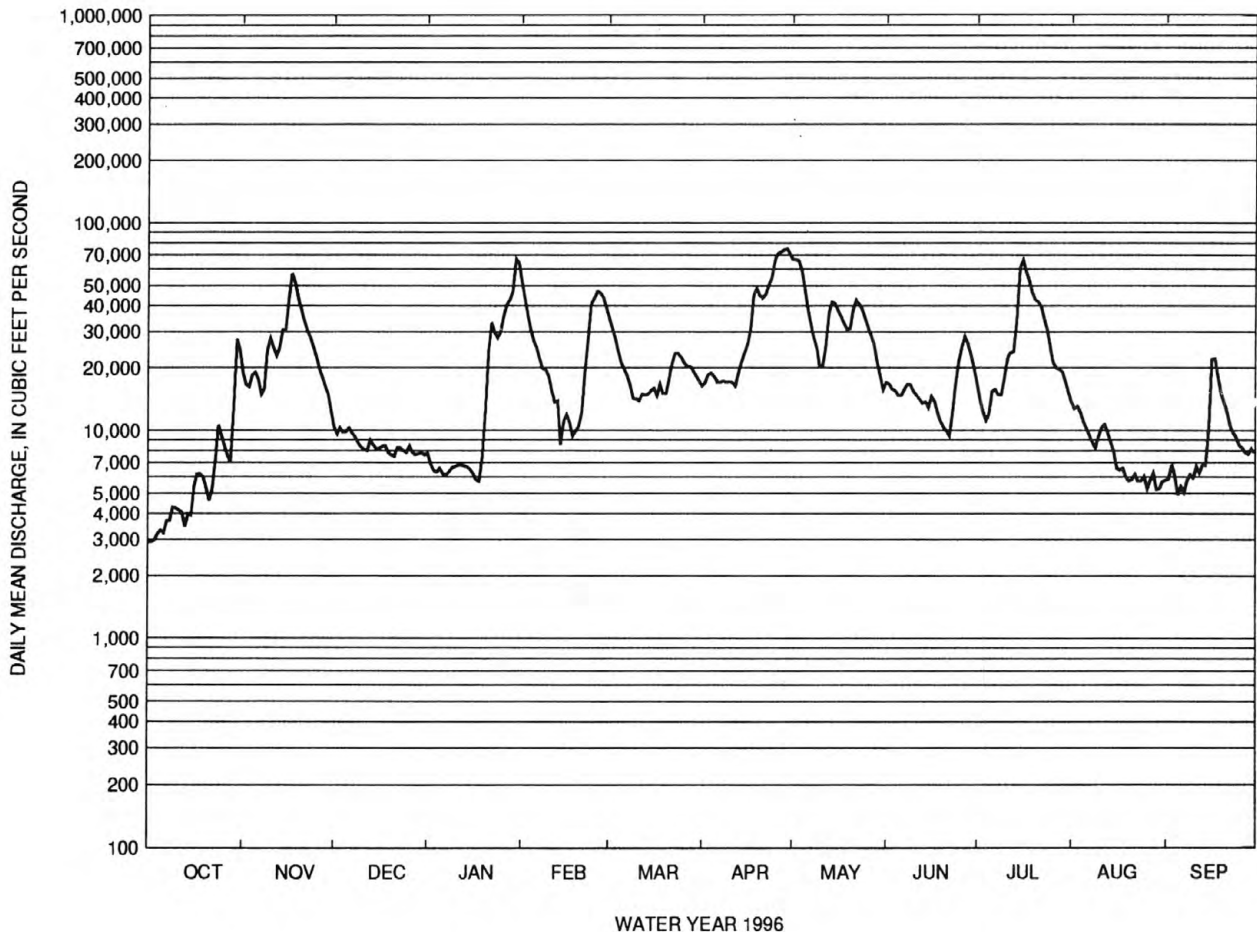
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01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11220	15430	13810	9995	10160	13250	36590	23020	13350	8669	7611	7883
MAX	34120	27410	33650	18620	25090	24420	54980	39840	42690	27770	12950	21930
(WY)	1982	1982	1984	1996	1996	1983	1983	1979	1984	1996	1986	1981
MIN	6107	6594	6774	5351	4218	6062	17120	12020	4961	4333	3636	3157
(WY)	1995	1985	1985	1993	1993	1993	1985	1985	1988	1991	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1979 - 1996	
ANNUAL TOTAL	4233390		7238650		14110	
ANNUAL MEAN	11600		19780		20440	
HIGHEST ANNUAL MEAN					8679	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	57000		Nov 17		75000	
LOWEST DAILY MEAN	2690		Sep 7		2910	
ANNUAL SEVEN-DAY MINIMUM	3020		Sep 7		3180	
INSTANTANEOUS PEAK FLOW			92300		Jan 30	
INSTANTANEOUS PEAK STAGE			16.70		Jan 30	
10 PERCENT EXCEEDS	24600		42800		28800	
50 PERCENT EXCEEDS	8260		15400		9540	
90 PERCENT EXCEEDS	3340		5930		5380	



01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

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

DRAINAGE AREA.--145 mi².

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

Chemical analyses: Water years 1954-56.

Specific conductance: July 1974 to September 1976.

Water temperatures: October 1957 to September 1971, July 1974 to September 1976.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 9 to Jan. 19, Feb. 4, 5, 7, and 13-19, and period of no gage-height record, Apr. 16-17, July 13-15, and Aug 4-5, which are fair. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 16	0100	1,770	6.20	Feb. 22	2100	1,730	6.14
Jan. 20	0400	1,270	5.36	Apr. 17	0900	2,190	6.85
Jan. 28	1200	*2,720	*7.65				

Minimum discharge, 8.3 ft³/s, Oct. 1, gage height, 1.53 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	75	275	e108	1200	707	331	442	138	69	99	29
2	9.0	87	269	e106	914	599	361	426	128	64	94	30
3	12	181	248	e105	723	516	394	384	118	61	91	34
4	12	160	240	e103	e565	443	354	442	112	61	e84	33
5	11	127	228	e102	e463	385	335	477	117	62	e77	32
6	31	107	226	e101	380	353	326	437	129	60	70	31
7	58	102	232	e100	e316	314	314	399	123	55	63	30
8	46	364	213	e99	276	295	299	370	110	54	58	28
9	37	321	e195	e98	260	282	299	341	117	87	54	32
10	31	261	e185	e97	250	266	339	326	150	84	51	32
11	27	254	e178	e96	235	241	357	350	196	70	52	32
12	24	368	e171	e95	216	225	427	780	204	60	52	31
13	22	463	e165	e94	e197	219	451	704	178	e110	50	32
14	20	402	e160	e97	e178	228	445	601	168	e861	45	70
15	27	1170	e155	e98	e163	257	565	558	166	e551	41	228
16	31	1620	e150	e95	e151	324	e748	513	164	472	39	286
17	30	1470	e148	e94	e145	311	e2060	502	149	460	38	257
18	26	1380	e145	e118	e135	302	1770	487	134	416	39	192
19	24	1170	e140	e285	e129	307	1680	457	116	370	38	172
20	23	923	e135	1120	123	442	1460	464	104	338	36	156
21	24	816	e132	991	201	567	1170	441	97	325	34	137
22	101	725	e130	837	1330	554	999	393	95	292	34	121
23	110	628	e128	838	1510	555	890	337	101	258	33	114
24	74	550	e124	980	1460	520	792	307	100	234	33	102
25	61	479	e121	1880	1690	489	686	270	103	208	32	94
26	53	427	e120	1580	1480	495	591	241	115	198	33	87
27	47	387	e118	1510	1220	507	551	216	103	198	35	80
28	61	361	e115	2620	1020	451	494	189	90	177	34	73
29	157	335	e113	2180	876	413	429	167	82	140	35	69
30	115	295	e111	1840	---	383	402	145	74	118	34	69
31	89	---	e110	1530	---	352	---	147	---	104	31	---
TOTAL	1401.7	16008	5180	19997	17806	12302	20319	12313	3781	6617	1539	2713
MEAN	45.2	534	167	645	614	397	677	397	126	213	49.6	90.4
MAX	157	1620	275	2620	1690	707	2060	780	204	861	99	286
MIN	8.7	75	110	94	123	219	299	145	74	54	31	28
CF5M	.31	3.68	1.15	4.45	4.23	2.74	4.67	2.74	.87	1.47	.34	.62
IN.	.36	4.11	1.33	5.13	4.57	3.16	5.21	3.16	.97	1.70	.39	.70

e Estimated

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	87.4	253	324	230	235	435	751	345	165	76.0	49.3	50.5
MAX	658	664	1393	645	922	1103	1333	776	774	466	245	708
(WY)	1978	1991	1974	1996	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

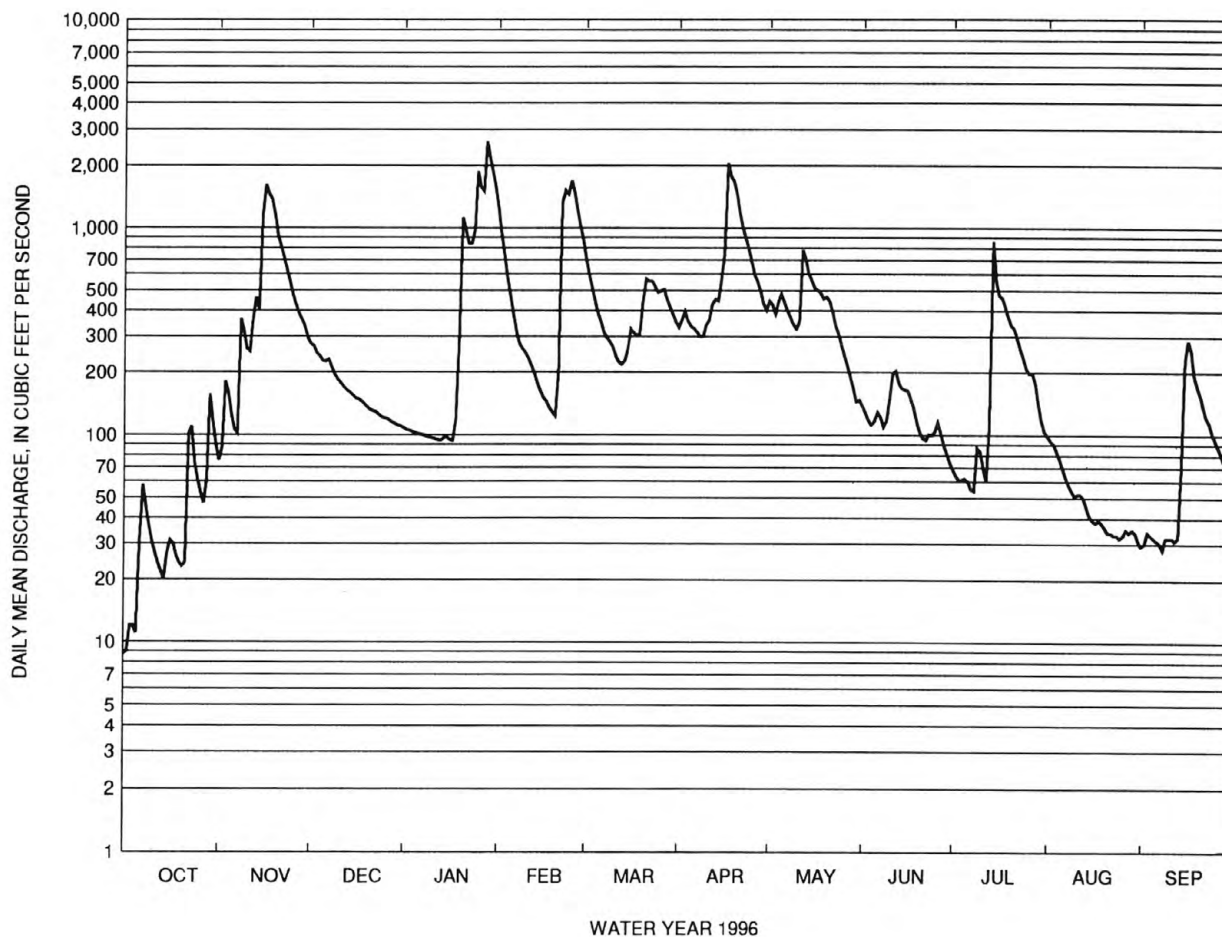
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1939 - 1996

ANNUAL TOTAL	81417.0	119976.7	
ANNUAL MEAN	223	328	250
HIGHEST ANNUAL MEAN			427
LOWEST ANNUAL MEAN			115
HIGHEST DAILY MEAN	1620	Nov 16	2620
LOWEST DAILY MEAN	5.8	Sep 6	8.7
ANNUAL SEVEN-DAY MINIMUM	6.3	Sep 2	20
INSTANTANEOUS PEAK FLOW			2720
INSTANTANEOUS PEAK STAGE			7.65
INSTANTANEOUS LOW FLOW			8.3
ANNUAL RUNOFF (CFSM)	1.54	2.26	1.72
ANNUAL RUNOFF (INCHES)	20.89	30.78	23.39
10 PERCENT EXCEEDS	550	822	625
50 PERCENT EXCEEDS	137	171	130
90 PERCENT EXCEEDS	12	34	24



01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45°20'45", long 69°57'48", Somerset County, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from highway bridge and 0.7 mi upstream from Dead River.

DRAINAGE AREA.--1,590 mi².

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

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

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

REMARKS.--Records good, except for periods of no gage-height record, Dec. 2, Dec. 9 to Jan. 3, and Sept. 6-12, which are fair. Flow regulated by Moosehead Lake, Brassua Lake, and Indian Pond, combined capacity about 32,980,000,000 ft³. Considerable diurnal fluctuation caused by powerplant above station. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,400 ft³/s, July 14, gage height, 8.81 ft; minimum daily discharge, 328 ft³/s, Oct. 21.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	662	2760	3560	e3810	4690	6960	5780	5890	5170	3170	3530	2690
2	2200	1480	e3100	e4120	5030	7440	4990	6050	4970	2920	2980	2690
3	2770	1600	2620	e4360	5440	7800	3880	6720	5280	2890	2980	4130
4	2770	1260	2960	5110	5050	8000	2150	7500	5330	3490	2780	4620
5	2290	1120	2680	4370	5100	7970	3020	8410	4420	7360	3700	4130
6	2310	1920	3740	3760	3130	7650	570	7970	4620	8710	4500	e4050
7	1260	1450	3320	3320	3130	7970	564	7630	4670	7040	3880	e4090
8	982	2270	3570	5050	5150	7790	2100	7660	4400	7210	3940	e3820
9	1480	2180	e3300	5240	4750	7670	1470	7340	4720	7880	4950	e4280
10	1780	2110	e2410	4640	4910	7810	1830	7640	5120	7370	6090	e4120
11	1810	1390	e4180	4630	4680	7720	1310	8420	4920	7160	3390	e4740
12	1750	3200	e4200	2990	5120	8110	1520	9930	4750	7030	2900	e4950
13	946	4200	e3550	2850	5140	8670	609	12500	3470	8160	3090	4650
14	869	3910	e3590	2450	5560	8610	632	12100	3500	13200	3010	4130
15	1500	4650	e3720	3710	4270	8240	2020	11700	5000	14600	3090	5530
16	1480	7250	e2950	3980	6050	7990	1880	10900	4590	13000	3030	5900
17	1250	5770	e3820	4080	5670	8540	1710	8920	3460	9440	2410	3690
18	1200	4920	e4230	2900	5990	8320	2970	8610	2900	7390	1080	4070
19	2140	5830	e4720	2820	6020	8570	2780	8680	2780	6270	3280	3510
20	2100	6430	e3540	3500	5680	8370	2800	10600	3420	6940	3510	2880
21	328	7410	e3540	3770	5940	8530	3480	11900	3800	7000	3900	1380
22	1280	7290	e4140	3820	6100	8310	6050	10900	4010	5990	3730	2110
23	611	7570	e3540	3350	6430	7890	5780	9110	3870	5520	3750	4500
24	1380	6840	e3560	2750	6010	7680	7000	7880	3490	3200	2550	4890
25	1390	5740	e4130	3790	5810	8330	6290	5680	5800	2520	2290	4170
26	1790	5270	e4720	3330	6330	8320	4420	5470	7800	3140	4150	3520
27	1290	4510	e4480	1390	5830	8370	5150	4980	8360	3680	4700	3970
28	1880	4950	e4510	3470	7410	7820	5780	4050	7000	4420	4570	3530
29	5290	1370	e4120	4880	7750	7930	3880	3930	4580	4560	4260	3600
30	4180	2470	e3540	5060	---	7500	4500	2940	3090	3800	4290	3570
31	3340	---	e3630	4900	---	6530	---	5220	---	3420	1440	---
TOTAL	56308	119120	113670	118200	158170	247410	96915	247230	139290	198480	107750	117910
MEAN	1816	3971	3667	3813	5454	7981	3230	7975	4643	6403	3476	3930
MAX	5290	7570	4720	5240	7750	8670	7000	12500	8360	14600	6090	5900
MIN	328	1120	2410	1390	3130	6530	564	2940	2780	2520	1080	1380

e Estimated

01042500 KENNEBEC RIVER AT THE FORKS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1960	1813	2071	2316	2530	2332	2877	4747	3360	2664	2451	2265
MAX	6298	5317	8142	5569	5454	7981	9487	13520	10370	6403	4740	5511
(WY)	1955	1908	1974	1970	1996	1996	1983	1974	1917	1996	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

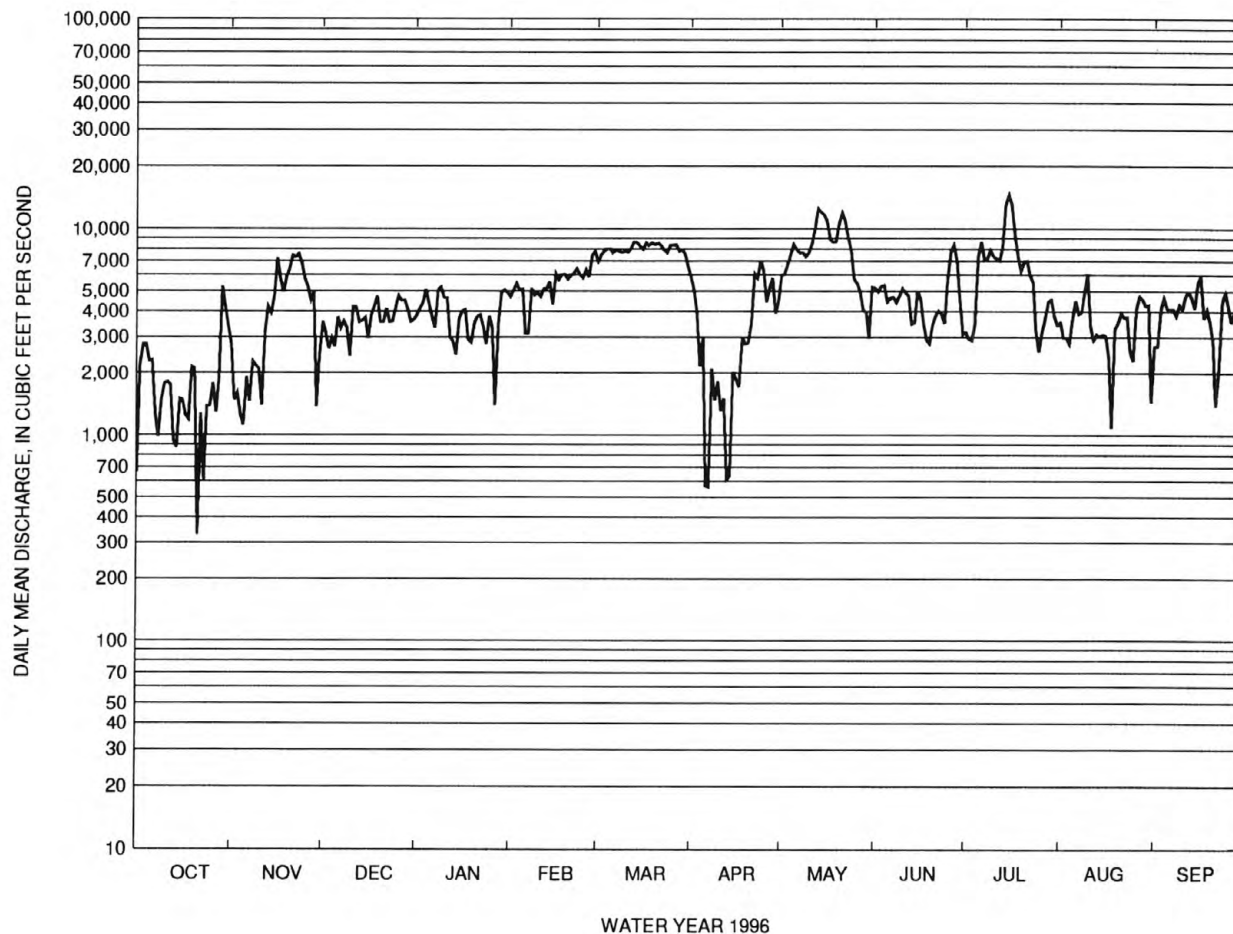
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1904 - 1996

ANNUAL TOTAL	903089	1720453	
ANNUAL MEAN	2474	4701	2617
HIGHEST ANNUAL MEAN			4701
LOWEST ANNUAL MEAN			1516
			1996
			1950
HIGHEST DAILY MEAN	7570	Nov 23	14600
LOWEST DAILY MEAN	328	Oct 21	328
ANNUAL SEVEN-DAY MINIMUM	665	May 5	1150
			Oct 21
INSTANTANEOUS PEAK FLOW			15400
INSTANTANEOUS PEAK STAGE			8.81
			Jul 14
			Jul 14
			30300
			13.78
			Jun 1 1984
			Jun 1 1984
10 PERCENT EXCEEDS	4260		7980
50 PERCENT EXCEEDS	2280		4200
90 PERCENT EXCEEDS	766		1770
			4370
			2250
			872



01046500 KENNEBEC RIVER AT BINGHAM, ME

LOCATION.--Lat 45°03'06", long 69°53'12", Somerset County, Hydrologic Unit 01030003, on right bank at Bingham, 50 ft downstream from highway bridge, 0.4 mi downstream from Austin Stream, and 1.6 mi downstream from Wyman Dam.

DRAINAGE AREA.--2,715 mi².

PERIOD OF RECORD.--June 1907 to June 1910, October 1930 to current year. Monthly discharge only for some periods prior to June 1910 published in WSP 1301.

Chemical analyses: Water years 1966 to 1978.

Specific conductance: October 1975 to September 1978.

Water temperature: October 1975 to September 1978.

REVISED RECORDS.--WSP 1271: 1951(M). WSP 1301: 1936(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 330.20 ft above National Geodetic Vertical Datum of 1929. June 1907 to June 1910, nonrecording gage on highway bridge at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Moosehead Lake, Indian Pond, and Brassua, Flagstaff, and Wyman Lakes, combined capacity about 47,973,000,000 ft³. Considerable diurnal fluctuation caused by powerplant above station. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,700 ft³/s, July 14, gage height, 12.43 ft; minimum daily discharge, 1,500 ft³/s, Oct. 6.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1860	3820	4160	5040	8630	10800	7780	15100	10600	4190	4040	5590
2	2070	3330	4170	5210	8670	10400	7220	20200	7820	4140	4320	5350
3	1890	2540	4260	5380	9260	11700	6440	16100	6480	4100	4180	4980
4	2140	3840	4300	5510	8090	11600	5080	15400	6400	9670	4290	4600
5	1830	4120	4600	5710	6840	11600	4160	17500	6210	20400	4350	4810
6	1500	2990	4750	5680	6160	10400	3420	15700	6060	19700	5030	4560
7	1900	2610	4800	5360	4930	11300	3270	13000	4580	15400	5250	4620
8	2060	4510	4940	5440	7230	12200	3720	11100	5670	12700	5500	4560
9	2140	4820	4900	5150	7710	10900	3480	9970	6880	11900	14200	4500
10	2000	4010	5000	5370	8180	10100	3460	10200	7820	12700	14800	4680
11	1860	3580	5200	5440	7100	11000	2860	12600	9650	8760	7630	5150
12	1730	9700	5260	5000	6910	11000	3200	19500	9090	8300	4660	5210
13	1990	12900	5390	4740	7390	11200	3160	21900	5410	11900	4790	5490
14	1810	11800	5130	4750	7300	11100	3100	22300	7840	29200	5100	10300
15	1790	16200	5230	4900	9020	10700	3020	18200	9190	27700	5120	14300
16	1740	24800	5250	4990	8460	10100	5120	14700	6800	24700	5030	8350
17	2090	18700	5090	5030	8670	10200	6900	10900	5530	18800	4850	5910
18	2420	15200	5170	4820	8740	10200	8260	10200	4280	14500	4970	4160
19	1750	11300	4980	5370	9410	10500	7010	11300	4140	12100	5190	4070
20	1870	10100	5220	13700	9680	11300	5870	18300	3880	14000	4810	4070
21	2160	11800	5120	9020	9900	11300	10200	23900	4160	15000	4700	4250
22	4630	10000	5040	6800	11400	11100	16900	20200	4930	11500	5060	4350
23	4050	9440	5000	6510	10200	10000	17700	16100	7460	7160	5180	4300
24	3590	8700	5080	6420	9350	9710	20100	11300	6510	5680	5380	4500
25	2080	7620	5140	5860	11800	10300	18900	8120	9610	3780	5320	4450
26	2140	6740	5200	5430	12200	10600	11000	8920	14900	3970	5470	4580
27	1690	5830	5210	6100	10600	11200	18500	7100	13600	5380	5380	4400
28	7400	4960	5230	14600	11900	10500	21000	5450	10200	6280	5470	4550
29	15900	4620	5310	9550	12300	9790	16400	4430	5700	5360	5590	4440
30	8240	3620	5230	9790	---	9790	13600	5770	4320	4960	5450	4470
31	5800	---	5310	9330	---	8690	---	12300	---	3850	5560	---
TOTAL	96120	244200	154670	202000	258030	331280	260830	427760	215720	357780	176670	159550
MEAN	3101	8140	4989	6516	8898	10690	8694	13800	7191	11540	5699	5318
MAX	15900	24800	5390	14600	12300	12200	21000	23900	14900	29200	14800	14300
MIN	1500	2540	4160	4740	4930	8690	2860	4430	3880	3780	4040	4070

01046500 KENNEBEC RIVER AT BINGHAM, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3398	3597	3551	3605	3813	4246	7191	9142	4914	3636	3322	3306
MAX	9319	9740	12510	7684	8898	15070	16080	22160	13600	11540	6428	10140
(WY)	1955	1908	1974	1970	1996	1936	1983	1974	1984	1996	1976	1954
MIN	1122	744	749	1070	1624	1525	2627	2192	1638	1954	2249	1829
(WY)	1909	1909	1909	1909	1972	1985	1981	1980	1988	1988	1995	1987

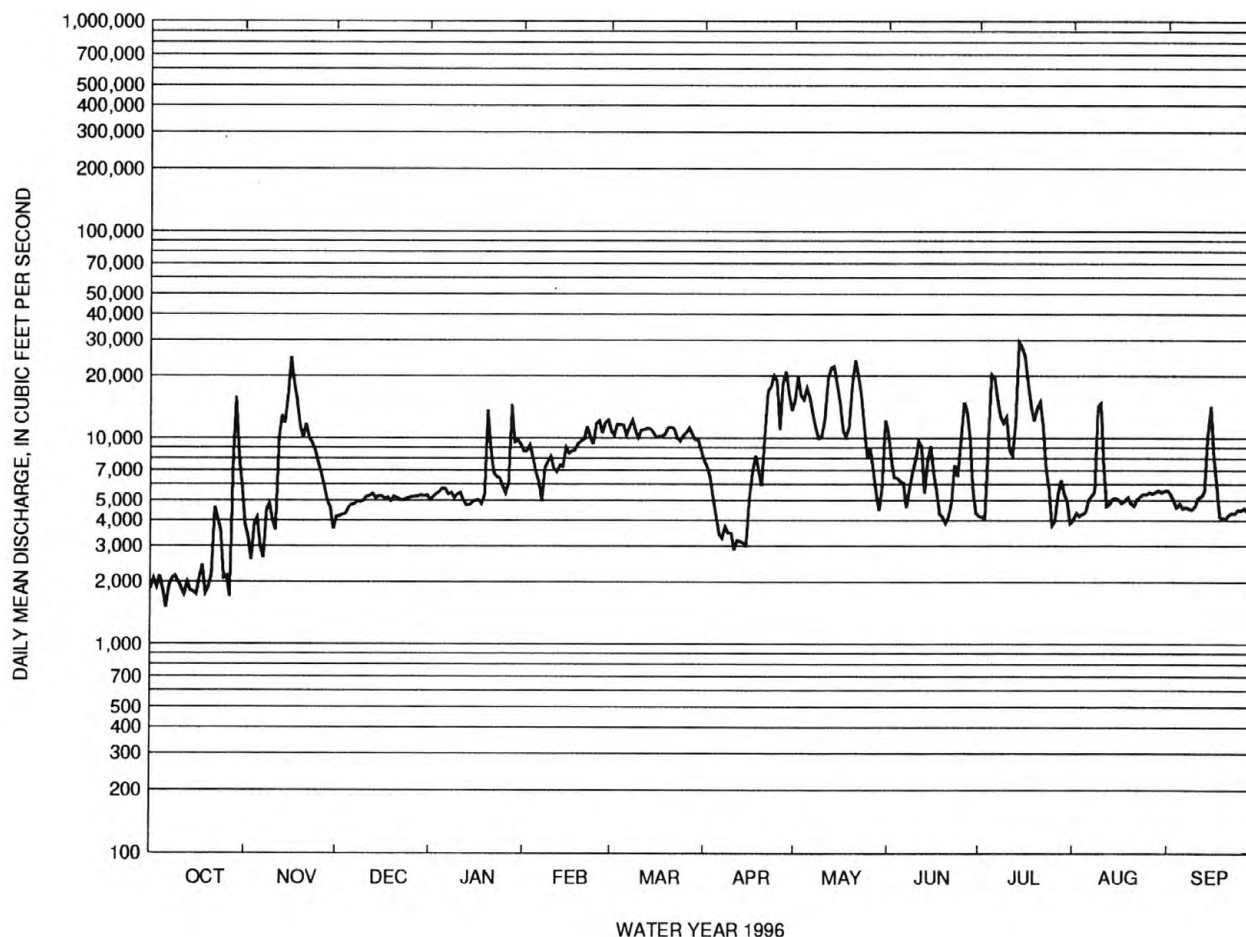
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1908 - 1996

ANNUAL TOTAL	1456230	2884610	
ANNUAL MEAN	3990	7881	4479
HIGHEST ANNUAL MEAN			7881
LOWEST ANNUAL MEAN			2613
			1996
			1980
HIGHEST DAILY MEAN	24800	Nov 16	29200
LOWEST DAILY MEAN	1500	Oct 6	1500
ANNUAL SEVEN-DAY MINIMUM	1750	May 6	1850
			Oct 10
INSTANTANEOUS PEAK FLOW			31700
INSTANTANEOUS PEAK STAGE			12.43
			Jul 14
			Jul 14
			65200
			15.61
			Jun 1
			Jun 1
10 PERCENT EXCEEDS	5830	14700	7790
50 PERCENT EXCEEDS	3340	5740	3470
90 PERCENT EXCEEDS	2000	3470	2180



01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'09", long 69°57'20", Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.

DRAINAGE AREA.--353 mi².

PERIOD OF RECORD.--Discharge: November and December 1901, June 1902 to April 1907, August 1925 to current year. Monthly discharge only for some periods prior to 1925, published in WSP 1301.

Chemical analyses: Water years 1953-54, 1961.

REVISED RECORDS.--WSP 1231: 1904-07, 1928(M), 1932(M), 1936(M), 1938(M), 1944(M), 1950(M). WDR ME-81-1: Drainage area.

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

REMARKS.--Records good, except for periods of ice effect, Nov. 25 to Jan. 19 and Feb. 1 to Mar. 16, and period of doubtful gage-height record, Apr. 24 to June 17, which are fair. Some minor regulation at low flows by mills above station. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 22	1000	13,800	13.62	Apr. 17	0645	8,130	10.38
Oct. 28	2045	12,100	12.73	Apr. 21	2345	6,880	9.61
Nov. 12	1500	13,400	13.41	Apr. 24	0745	9,290	11.06
Nov. 15	2300	7,470	9.97	Apr. 27	0845	6,880	9.61
Jan. 20	0700	10,300	11.66	July 4	1145	11,000	12.09
Jan. 28	0430	13,100	13.25	July 14	0945	*14,100	*13.78

Minimum discharge, 50 ft³/s, Oct. 3, gage height, 2.45 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	1350	e550	e228	e1670	e1040	1050	4050	968	587	425	130
2	52	1030	e520	e220	e1220	e900	1440	3650	747	538	440	137
3	54	1930	e487	e216	e1020	e890	1620	2610	615	456	405	138
4	137	1850	e465	e218	e880	e710	1360	2390	564	6670	362	135
5	116	1380	e443	e211	e770	e640	1350	2300	588	7570	337	129
6	218	968	e425	e205	e680	e610	1150	2000	629	4230	310	93
7	752	854	e412	e199	e620	e570	1190	1490	537	2280	288	88
8	410	1890	e394	e195	e675	e550	1110	1260	536	1500	267	109
9	227	1820	e382	e199	e690	e530	1030	1230	1140	1090	299	122
10	161	1300	e370	e200	e650	e520	1060	1190	1670	1560	351	152
11	136	1090	e357	e198	e595	e510	1020	1390	1700	1200	303	152
12	163	6580	e345	e195	e550	e505	1070	4310	1420	1040	269	127
13	151	6130	e333	e192	e510	e530	1290	3230	2180	1140	252	103
14	133	3030	e323	e202	e475	e550	1400	2000	2490	10600	242	482
15	380	4420	e315	e206	e445	e685	1490	1490	1700	5040	228	1640
16	540	6350	e308	e200	e430	e1020	1940	1220	996	4320	217	1340
17	317	3710	e297	e195	e410	e960	6780	1090	756	3270	213	1040
18	247	2440	e289	e198	e395	e900	5200	1060	609	2140	207	676
19	215	1920	e282	e230	e388	e870	3340	1210	514	1500	198	407
20	198	1650	e276	7700	e385	e1050	3170	2770	441	2000	188	282
21	307	1200	e269	4410	e410	e1420	4640	2670	430	1790	183	246
22	6770	1150	e261	2780	e1300	e1380	5730	2100	812	1330	189	225
23	2250	1070	e253	1920	e3000	e1250	5470	1390	1370	991	194	205
24	1350	970	e249	1530	e3250	e1100	7560	1080	1790	785	185	192
25	933	e796	e244	3040	e3150	e990	4500	856	2110	712	178	191
26	756	e725	e239	2270	e2100	e1180	3260	742	2000	800	156	199
27	577	e691	e235	2120	e1650	1550	5710	652	1180	975	111	197
28	5080	e657	e231	9380	e1460	1250	4050	589	773	663	107	190
29	6450	e625	e230	5410	e1280	1110	2560	549	622	543	107	214
30	3090	e584	e231	3590	---	1030	2240	1000	531	473	102	316
31	1930	---	e235	2560	---	962	---	1350	---	429	97	---
TOTAL	34154	60160	10250	50617	31058	27762	84780	54918	32418	68222	7410	9657
MEAN	1102	2005	331	1633	1071	896	2826	1772	1081	2201	239	322
MAX	6770	6580	550	9380	3250	1550	7560	4310	2490	10600	440	1640
MIN	52	584	230	192	385	505	1020	549	430	429	97	88
CFSM	3.12	5.68	.94	4.63	3.03	2.54	8.01	5.02	3.06	6.23	.68	.91
IN.	3.60	6.34	1.08	5.33	3.27	2.93	8.93	5.79	3.42	7.19	.78	1.02

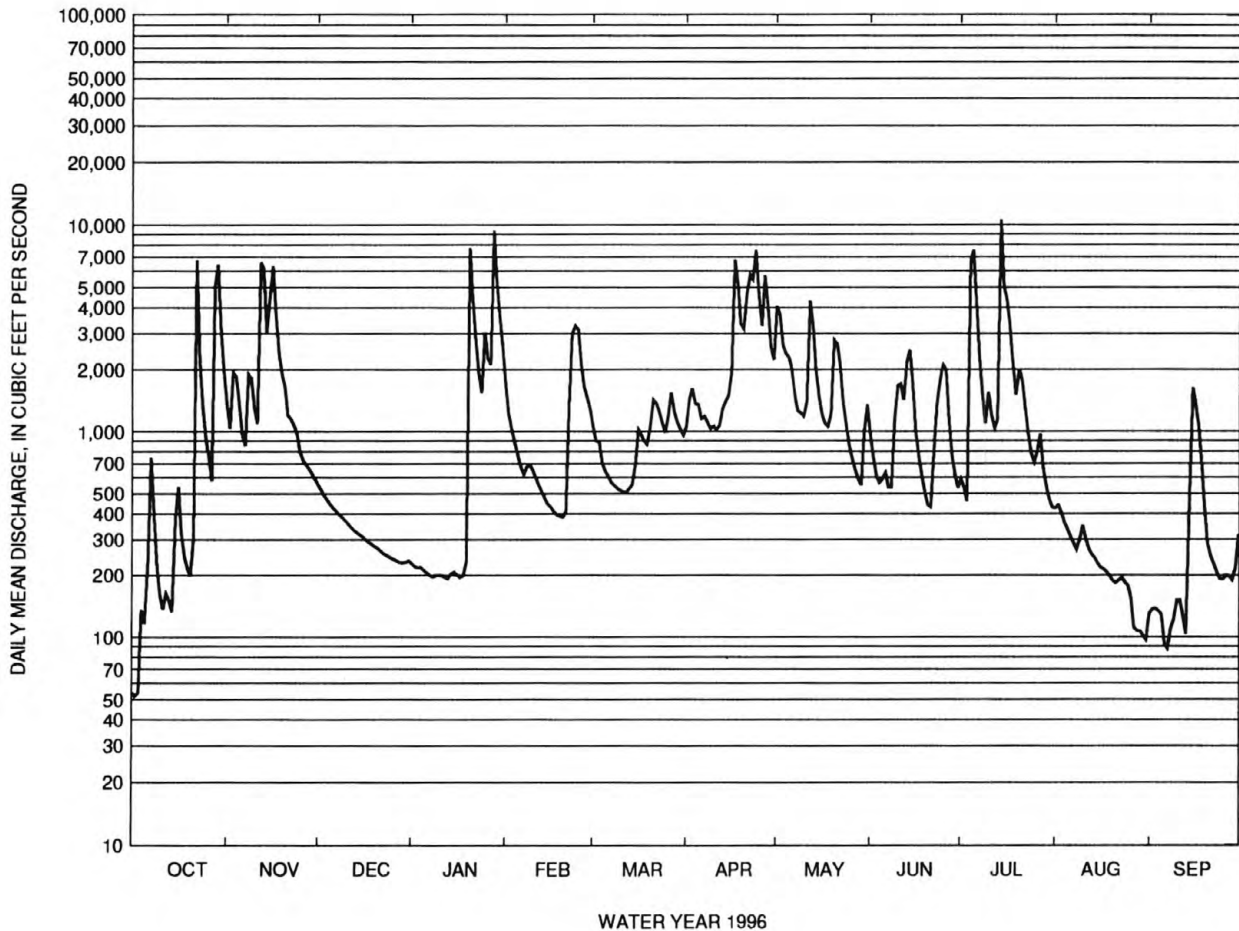
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01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	500	776	600	382	332	818	2341	1591	597	326	226	236
MAX	2606	2492	3565	1633	1922	4750	4009	3694	1844	2201	1124	1768
(WY)	1978	1964	1974	1996	1970	1936	1993	1972	1984	1996	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1903 - 1996	
ANNUAL TOTAL	285079		471406		728	
ANNUAL MEAN	781		1288		1288	
HIGHEST ANNUAL MEAN					333	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	6770		10600		36000	
LOWEST DAILY MEAN	39		52		27	
ANNUAL SEVEN-DAY MINIMUM	41		113		32	
INSTANTANEOUS PEAK FLOW			14100		50700	
INSTANTANEOUS PEAK STAGE			13.78		27.78	
INSTANTANEOUS LOW FLOW			50		18	
ANNUAL RUNOFF (CFSM)	2.21		3.65		2.06	
ANNUAL RUNOFF (INCHES)	30.04		49.68		28.01	
10 PERCENT EXCEEDS	1830		3190		1760	
50 PERCENT EXCEEDS	323		711		313	
90 PERCENT EXCEEDS	56		192		98	



01048000 SANDY RIVER NEAR MERCER, ME

LOCATION.--Lat 44°42'26", long 69°56'21", Somerset County, Hydrologic Unit 01030003, on right bank 0.9 mi upstream from Bog Stream, 2.1 mi north of Mercer, and 8.6 mi upstream from mouth.

DRAINAGE AREA.--516 mi².

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

REVISED RECORDS.--WSP 756: 1933. WSP 1231: 1936(M). WRD ME-94-1: Drainage area.

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

REMARKS.--Records good, including periods of doubtful gage-height record, July 4 and 14, except for periods of ice effect, Nov. 26 to Jan. 20, Feb. 14-23, and Feb. 29 to Mar. 14, and period of no gage-height record, Jan. 29 to Feb. 14, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft³/s, Mar. 19, 1936, gage height, 16.75 ft, from rating curve extended above 15,000 ft³/s on basis of records at nearby stations and slope-area measurement at gage-height 19.25 ft; maximum gage height, 18.89 ft, Feb. 12, 1979, from floodmark (backwater from ice); minimum discharge, 32 ft³/s, Sep. 22-26, 1939, gage height, 2.15 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1, 1987 reached a stage of 19.25 ft, from floodmarks, discharge, 51,100 ft³/s, from rating curve extended as explained above.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 22	1800	9,460	8.87	Apr. 22	0730	7,330	8.11
Oct. 29	0500	13,900	10.19	Apr. 24	1445	10,000	9.05
Nov. 13	0300	16,200	10.92	Apr. 27	1645	6,290	7.73
Nov. 16	0100	11,300	9.44	May 12	1715	7,380	8.13
Jan. 20	1730	12,300	9.72	July 4	1815	8,600	8.58
Jan. 28	1430	*23,900	*12.98	July 14	1545	16,200	10.94
Apr. 17	1715	14,600	10.44				

Minimum discharge, 53 ft³/s, Oct. 4, gage height, 2.48 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	1340	e679	e343	e2400	e1580	1440	3650	1170	465	498	109
2	59	1210	e655	e330	e1800	e1320	2020	4200	844	547	536	106
3	55	2720	e620	e320	e1500	e1160	2480	2760	669	437	512	104
4	61	2420	e595	e316	e1280	e1050	1760	2670	590	e6260	455	102
5	63	1710	e575	e325	e1120	e970	1590	3150	617	5770	418	99
6	97	1280	e555	e308	e1010	e910	1620	2660	680	3580	389	95
7	490	1090	e540	e300	e930	e850	1700	1990	625	1990	346	108
8	480	2680	e525	e311	e940	e810	1510	1680	571	1440	310	93
9	312	2340	e510	e325	e910	e790	1380	1560	748	1270	285	95
10	230	1550	e490	e315	e890	e760	1480	1450	1870	1110	276	113
11	177	1250	e480	e300	e850	e750	1440	1720	2010	922	268	148
12	147	5120	e465	e288	e810	e760	1720	5770	1210	717	236	134
13	128	10100	e450	e304	e760	e780	2330	4420	925	891	213	123
14	115	3440	e440	e317	e710	e808	2230	2630	1540	12800	201	300
15	127	6330	e430	e330	e670	1030	2320	2010	1400	5580	191	998
16	436	8420	e420	e314	e640	1400	2990	1690	991	4780	179	929
17	363	4070	e406	e307	e615	1410	13100	1490	729	3800	171	664
18	254	2750	e397	e385	e595	1250	7890	1320	575	2370	167	454
19	196	2230	e388	e635	e575	1260	4680	1290	473	1720	162	346
20	166	2000	e380	e7250	e570	1490	4150	1720	405	3130	153	277
21	161	1820	e373	6530	e580	2000	4580	2330	371	2340	147	228
22	4530	1850	e365	3400	e1640	2010	6200	1970	437	1580	144	195
23	2980	1580	e360	2410	e4360	1910	5500	1490	981	1230	143	172
24	1340	1360	e354	1990	4370	1600	7810	1190	1750	1030	144	154
25	899	1160	e348	3550	4750	1450	5090	984	1290	884	138	144
26	663	e1020	e343	3470	3570	1620	3380	843	1860	872	134	138
27	533	e946	e340	2760	2470	2240	4740	747	1040	1100	131	139
28	3240	e866	e335	14800	2120	1630	4480	671	735	879	127	142
29	9270	e808	e331	e7650	e2060	1440	2660	612	570	696	125	157
30	2880	e742	e330	e5400	---	1360	2230	860	475	590	122	216
31	1810	---	e345	e3400	---	1320	---	1590	---	524	116	---
TOTAL	32326	76202	13824	68983	45495	39718	106500	63117	28151	71304	7437	7082
MEAN	1043	2540	446	2225	1569	1281	3550	2036	938	2300	240	236
MAX	9270	10100	679	14800	4750	2240	13100	5770	2010	12800	536	998
MIN	55	742	330	288	570	750	1380	612	371	437	116	93
CFSM	2.02	4.92	.86	4.31	3.04	2.48	6.88	3.95	1.82	4.46	.46	.46
IN.	2.33	5.49	1.00	4.97	3.28	2.86	7.68	4.55	2.03	5.14	.54	.51

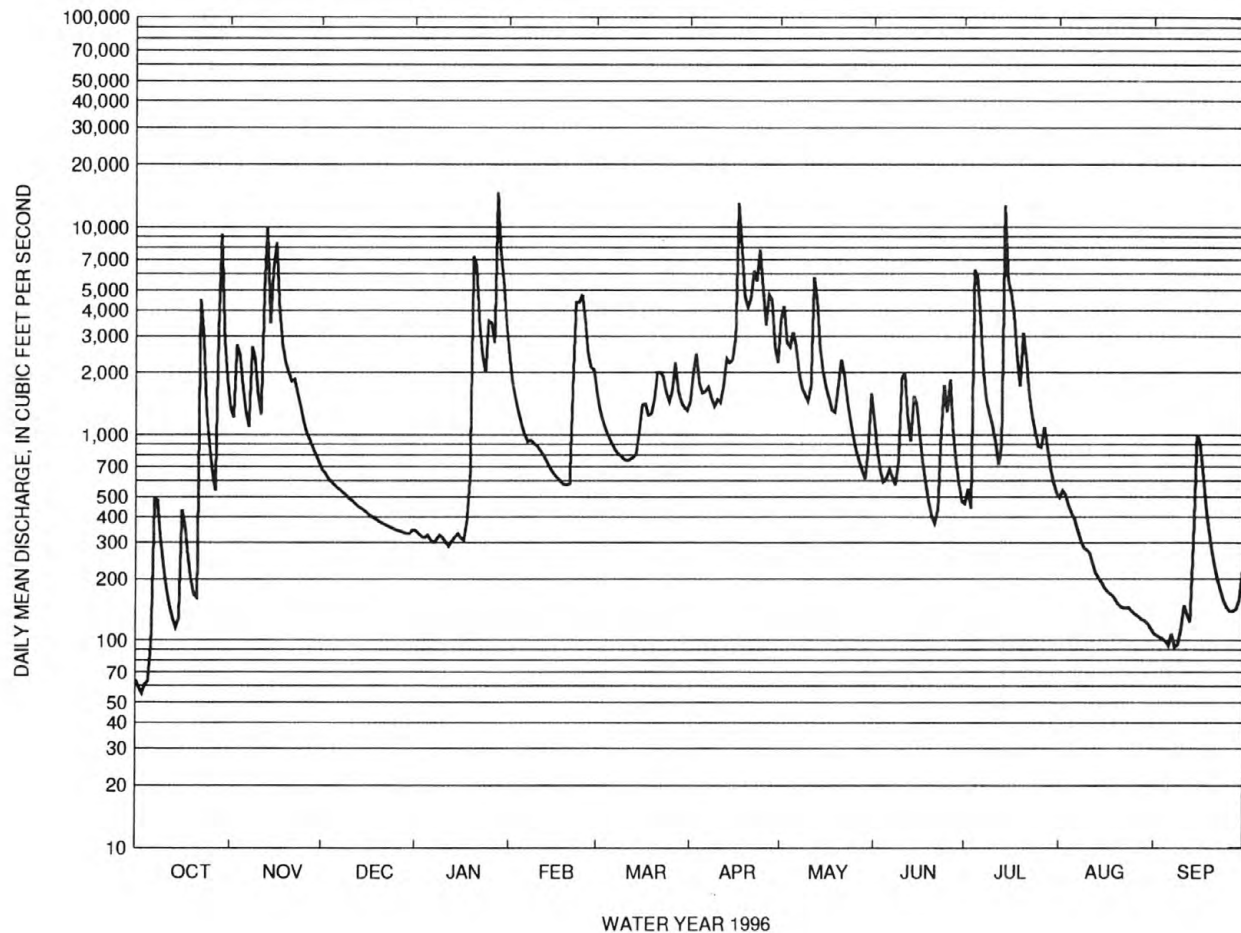
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01048000 SANDY RIVER NEAR MERCER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	561	976	827	565	506	1210	3427	1953	743	387	252	273
MAX	3057	2947	4315	2285	3322	6479	5399	4105	1787	2300	1439	2664
(WY)	1978	1964	1974	1978	1970	1936	1951	1972	1989	1996	1976	1954
MIN	61.1	107	85.8	100	87.7	242	1334	480	202	95.9	72.9	52.7
(WY)	1948	1979	1979	1948	1948	1956	1995	1941	1941	1993	1949	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	324269		560139			
ANNUAL MEAN	888		1530		975	
HIGHEST ANNUAL MEAN					1583	
LOWEST ANNUAL MEAN					436	
HIGHEST DAILY MEAN	10100	Nov 13	14800	Jan 28	31400	Mar 27 1953
LOWEST DAILY MEAN	40	Sep 11	55	Oct 3	32	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	41	Sep 9	99	Sep 3	33	Sep 19 1939
INSTANTANEOUS PEAK FLOW			23900	Jan 28	38600	Mar 19 1936
INSTANTANEOUS PEAK STAGE			12.98	Jan 28	18.89	Feb 12 1979
INSTANTANEOUS LOW FLOW			53	Oct 4	32	Sep 22 1939
ANNUAL RUNOFF (CFSM)	1.72		2.97		1.89	
ANNUAL RUNOFF (INCHES)	23.38		40.38		25.66	
10 PERCENT EXCEEDS	2080		3600		2460	
50 PERCENT EXCEEDS	436		869		425	
90 PERCENT EXCEEDS	62		147		112	



01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

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

DRAINAGE AREA.--572 mi².

PERIOD OF RECORD.--Discharge: November 1928 to current year.
Chemical analyses: Water year 1952-53.

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

GAGE.--Water-stage recorder. Datum of gage is 133.94 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair, including period of ice effect, Jan. 5-6, except for period of no gage-height record, May 7-14, which is poor.
Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2,345,000,000 ft³. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,340 ft³/s, Jan. 30, gage height, 8.68 ft; minimum daily discharge, 33 ft³/s, Aug. 7.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	1180	153	689	6350	4310	1150	2300	575	1150	702	35
2	319	1250	327	584	5700	3820	1170	2040	574	818	748	45
3	316	1350	397	318	4870	3330	1270	1550	573	421	798	45
4	346	1410	344	316	3980	2910	1430	902	482	297	609	250
5	481	1340	381	e179	3430	2540	1500	565	842	364	348	649
6	611	1220	381	e231	2990	2240	1480	1100	866	464	181	688
7	591	1130	380	245	2510	1730	1400	e1780	544	467	33	825
8	551	1360	382	161	2170	1150	1340	e1690	313	743	155	846
9	492	1740	343	219	1670	992	1360	e1630	376	903	234	865
10	491	1780	375	221	1030	910	1580	e1560	452	941	259	823
11	482	1600	388	230	604	820	1750	e1500	792	676	270	777
12	426	1510	379	431	483	778	1550	e1450	997	575	240	729
13	426	1730	354	222	516	737	1340	e1400	869	669	279	689
14	413	1940	367	148	502	455	1420	e1540	722	1710	281	768
15	424	2370	373	149	468	1090	1650	1630	658	3210	201	971
16	405	3280	394	173	387	1100	2340	1610	640	4180	345	1170
17	362	3880	384	416	185	1040	3800	1610	623	4740	285	1450
18	327	4130	354	171	357	1020	5080	1630	449	4660	280	1590
19	245	3940	400	501	363	1030	5680	1620	384	4310	465	1580
20	390	3580	361	1720	366	1070	5550	1780	363	3910	190	1440
21	276	2900	367	2820	405	1250	5060	2300	338	3380	154	1110
22	411	2360	397	3230	1920	1410	4480	2930	371	2550	140	859
23	382	2080	381	3520	3550	1530	4120	2990	484	1790	145	684
24	300	1900	371	3640	4610	1530	4040	2780	1020	1190	127	632
25	102	1730	352	3960	5620	1440	3700	2530	1350	804	137	520
26	89	1190	369	4160	5940	1380	3140	2070	1710	552	142	491
27	68	727	558	4260	5750	1390	2780	1390	1820	705	157	550
28	234	651	716	5520	5320	1510	2560	976	1770	884	163	444
29	395	521	714	6550	4760	1590	2330	744	1650	892	153	484
30	641	264	718	7190	---	1570	2260	390	1400	721	130	481
31	943	---	695	7060	---	1360	---	357	---	744	79	---
TOTAL	12304	56043	12855	59234	76806	49032	78310	50344	24007	49420	8430	22490
MEAN	397	1868	415	1911	2648	1582	2610	1624	800	1594	272	750
MAX	943	4130	718	7190	6350	4310	5680	2990	1820	4740	798	1590
MIN	68	264	153	148	185	455	1150	357	313	297	33	35

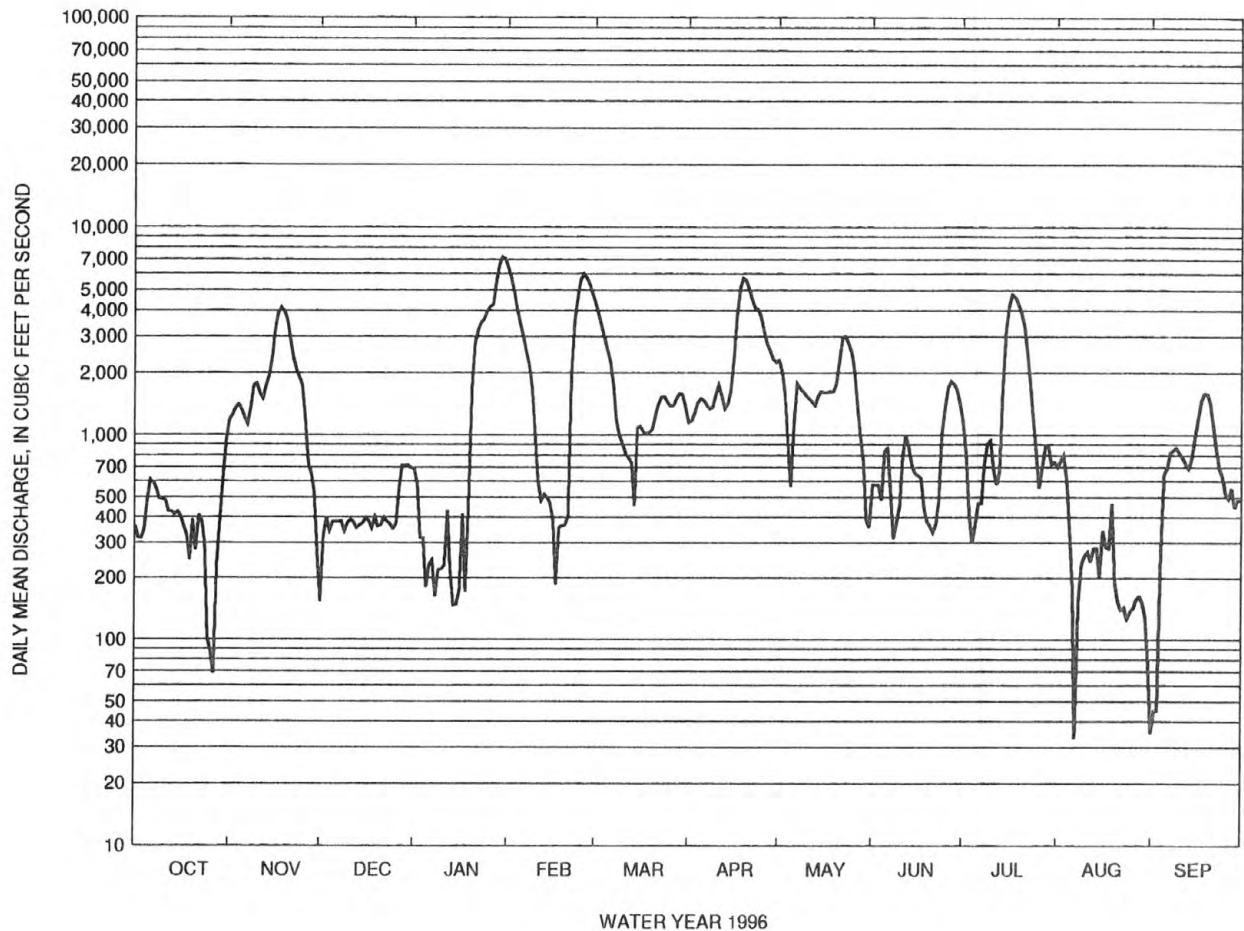
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01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	464	919	1034	709	684	1290	3379	1440	641	350	282	402
MAX	2654	2913	4609	2260	3576	5764	5768	3202	3659	1914	1708	3447
(WY)	1978	1964	1974	1978	1970	1936	1934	1945	1984	1973	1976	1954
MIN	76.6	67.1	73.1	95.6	82.2	303	882	360	160	74.1	53.5	62.1
(WY)	1979	1953	1930	1989	1993	1967	1981	1985	1992	1983	1982	1982

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	299464		499275			
ANNUAL MEAN	820		1364		962	
HIGHEST ANNUAL MEAN					1645	
LOWEST ANNUAL MEAN					437	
HIGHEST DAILY MEAN	4130	Nov 18	7190	Jan 30	17200	Apr 3 1987
LOWEST DAILY MEAN	28	Aug 25	33	Aug 7	4.5	Nov 10 1956
ANNUAL SEVEN-DAY MINIMUM	43	Aug 22	93	Aug 28	6.6	Nov 6 1965
INSTANTANEOUS PEAK FLOW			7340	Jan 30	17600	Apr 3 1987
INSTANTANEOUS PEAK STAGE			8.68	Jan 30	15.53	Apr 3 1987
10 PERCENT EXCEEDS	2150		3660		2460	
50 PERCENT EXCEEDS	451		801		495	
90 PERCENT EXCEEDS	80		234		118	



01049205 KENNEBEC RIVER NEAR WATERVILLE, ME

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

DRAINAGE AREA.--5,179 mi².

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

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

REMARKS.--Records good, except for period of ice effect, Dec. 9 to Jan. 19, and periods of doubtful gage-height record, Oct. 1 to Dec. 2, Dec. 9, 11-14, 30, Jan. 1-16, and Feb. 1-19, which are fair. Flow regulated by Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50,318,000,000 ft³. Satellite gage-height telemeter at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 84,900 ft³/s, Jan. 29, gage height, 29.81 ft; minimum daily discharge, 2,370 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2370	e11000	e5820	e7450	e25500	23400	14400	24700	16100	8010	6660	6620
2	e2570	e9120	6350	e7030	23400	20200	15400	32200	13700	8440	6330	6900
3	e2490	e13700	7180	e6680	22000	19600	16900	30700	10000	5230	6670	5750
4	e2720	e13400	7100	e6920	e20200	19700	13800	24600	8220	16900	7330	5300
5	e3140	e11800	7200	e6820	e17900	18600	12100	26600	8740	34600	6520	7270
6	e2980	e9410	7360	e6860	15700	17100	10400	25900	9610	35100	5890	4780
7	e3830	e7890	7510	e6860	e11500	15400	10100	22100	8990	25100	6590	6020
8	e3900	e14100	7340	e6800	e12800	15800	10200	18000	7520	19200	6750	6600
9	e3790	e17300	e6960	e6840	12300	16200	8420	15700	8860	16600	11300	6630
10	e3500	e12000	e7240	e6990	12800	14300	8930	15400	13200	17000	16600	6390
11	e3020	e9730	e7300	e6730	12300	14400	10500	16000	16500	16600	12800	5840
12	e2910	e23800	e7220	e6980	e11000	14400	10100	30900	14600	12300	6610	8660
13	e2790	e55200	e7490	e6300	e10300	14100	12600	38100	13400	13500	6090	7470
14	e2730	e29000	e7190	e6140	e10000	14400	12300	32300	12700	52000	6580	9740
15	e2750	e41800	e7260	e6260	10800	15200	13300	27600	15000	57700	6200	25000
16	e3800	e56900	e7390	e6090	11900	16200	15300	22100	12400	44500	6360	18200
17	e3740	e43400	e7430	10200	11000	16100	46600	19000	9390	40100	6550	13900
18	e3970	e33000	e7160	9750	11800	16000	45000	16300	8330	30400	5970	9820
19	e2830	e26200	e7080	10200	e12200	15600	33400	16000	6970	24900	6060	8700
20	e2850	e22400	e7240	37900	12900	18000	26400	22300	5480	24400	7110	8130
21	e3180	e21700	e7110	47500	12800	20500	26800	33400	4930	26500	6240	7260
22	e19700	e20500	e7440	29100	23900	20400	36600	33200	6510	22200	5530	6330
23	e18400	e18800	e7090	23000	35100	20100	38600	26500	9390	16200	5490	6380
24	e9250	e16500	e7220	20600	34300	17900	41800	21500	14600	12400	6140	6440
25	e9060	e15200	e7170	24900	36500	17500	43200	16600	14400	8950	6620	6800
26	e4640	e13100	e7130	26500	35100	17700	30400	13500	22200	6670	6730	6710
27	e4330	e11100	e7480	22400	29000	20300	28500	13700	20800	7410	6480	4710
28	e13700	e9250	e7480	58600	26300	18900	37700	10100	16400	11700	7370	5990
29	e52500	e8630	e7480	55600	26200	17000	30800	8860	12500	9920	4870	6490
30	e27700	e6660	e7350	35900	---	16400	24900	7340	8360	8660	6770	6310
31	e17200	---	e7620	30600	---	15800	---	11900	---	7000	6280	---
TOTAL	242340	602590	223390	550500	547500	537200	685550	673100	349800	640190	219490	241140
MEAN	7817	20090	7206	17760	18880	17330	22850	21710	11660	20650	7080	8038
MAX	52500	56900	7620	58600	36500	23400	46600	38100	22200	57700	16600	25000
MIN	2370	6660	5820	6090	10000	14100	8420	7340	4930	5230	4870	4710

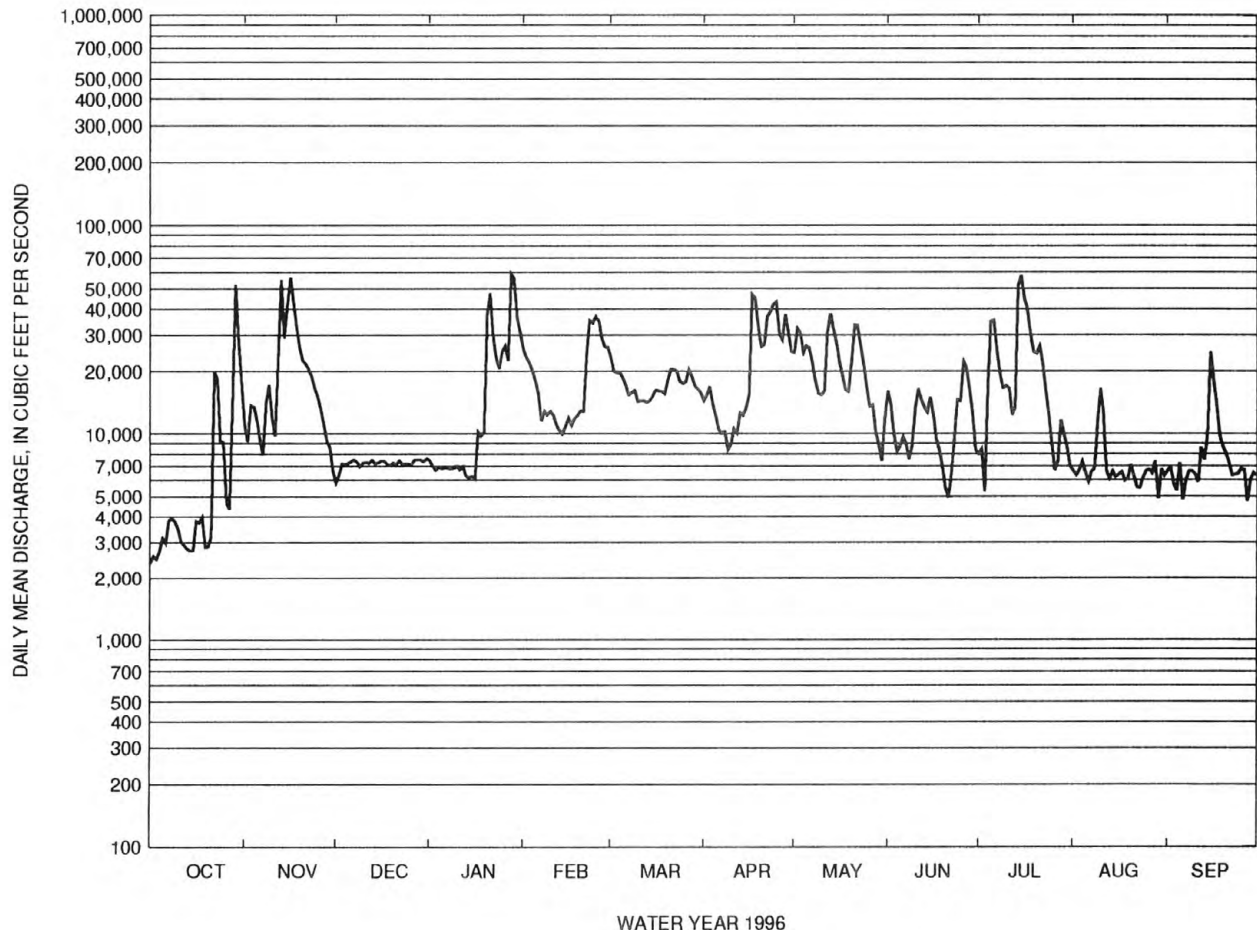
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01049205 KENNEBEC RIVER NEAR WATERVILLE, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5079	10190	7500	11380	11010	12110	19830	16460	8470	10070	4558	4847
MAX	7817	20090	9529	17760	18880	17330	27720	21710	11660	20650	7080	8038
(WY)	1996	1996	1994	1996	1996	1996	1994	1996	1996	1996	1996	1996
MIN	3664	5136	5765	6375	6914	7590	8919	9842	6661	3889	2798	2833
(WY)	1994	1995	1995	1994	1994	1994	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1994 - 1996	
ANNUAL TOTAL	2991720		5512790		10110	
ANNUAL MEAN	8196		15060		15060	
HIGHEST ANNUAL MEAN					6500	
LOWEST ANNUAL MEAN					1996	
HIGHEST DAILY MEAN	56900		Nov 16		81500	
LOWEST DAILY MEAN	2270		Aug 16		2270	
ANNUAL SEVEN-DAY MINIMUM	2500		Aug 29		2500	
INSTANTANEOUS PEAK FLOW			84900		90300	
INSTANTANEOUS PEAK STAGE			29.81		30.68	
10 PERCENT EXCEEDS	14800		30700		22100	
50 PERCENT EXCEEDS	6980		11800		6990	
90 PERCENT EXCEEDS	2770		5950		3150	



01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

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

DRAINAGE AREA.--217 mi².

PERIOD OF RECORD.--Discharge: June 1890 to September 1964, October 1976 to current year. Only data from 1906 to current year is used in long term statistical analyses. Earlier data does not include leakage.

Chemical analyses: Water years 1954-56.

REVISED RECORDS.--WSP 541: 1916-20. WSP 1201: Drainage area. WSP 1231: 1910-15. WSP 1701: 1956-59.

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

REMARKS.--Records good, including period of ice effect, Feb. 4-5. Flow regulated by Cobbosseecontee Lake and several other lakes upstream.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft³/s, Apr. 17, gage height, 7.74 ft; minimum daily discharge, 64 ft³/s, Aug. 30.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	307	586	267	1250	1100	239	466	162	217	103	85
2	147	319	589	269	1140	977	230	476	155	211	103	92
3	147	470	584	266	1070	960	242	470	120	197	102	92
4	147	548	577	267	e924	937	269	458	105	350	102	90
5	147	528	527	265	e851	912	255	451	106	674	124	92
6	155	497	506	262	752	888	246	433	106	862	105	92
7	159	487	508	259	685	801	239	377	109	1020	145	92
8	159	584	510	256	749	754	222	322	109	1040	157	92
9	158	617	512	256	839	753	213	216	112	1030	151	115
10	158	591	518	192	838	739	214	185	125	1030	150	96
11	156	563	519	140	830	734	250	199	174	685	149	99
12	155	608	515	143	826	730	412	509	185	477	149	102
13	153	662	514	147	714	725	599	1010	179	497	148	103
14	152	798	511	146	585	580	624	1120	181	1620	149	116
15	156	1230	512	146	641	537	752	1080	181	1890	148	232
16	156	1410	512	145	730	594	988	1000	177	1840	146	449
17	155	1300	510	146	823	620	1900	662	172	1720	147	627
18	154	1190	505	146	798	671	2020	494	166	1610	133	733
19	153	1100	504	177	794	695	1920	544	164	1510	129	759
20	158	1050	505	675	770	685	1830	590	158	1350	130	671
21	171	1010	505	928	780	699	1740	693	154	1130	129	597
22	242	985	504	911	1210	686	1580	725	155	736	129	530
23	296	894	498	851	1480	669	1450	695	176	559	128	491
24	327	850	363	826	1480	639	1370	569	186	556	129	473
25	312	790	298	1100	1500	395	1290	361	272	489	128	441
26	296	754	365	1290	1430	236	1090	303	298	396	127	425
27	280	706	397	1280	1340	199	941	294	286	395	124	387
28	287	634	396	1700	1260	219	887	250	248	383	105	375
29	319	593	304	1690	1200	237	847	216	222	360	73	340
30	318	590	261	1520	---	238	584	218	219	187	64	291
31	314	---	264	1370	---	236	---	188	---	102	72	---
TOTAL	6234	22665	14679	18036	28289	19845	25443	15574	5162	25123	3878	9179
MEAN	201	755	474	582	975	640	848	502	172	810	125	306
MAX	327	1410	589	1700	1500	1100	2020	1120	298	1890	157	759
MIN	147	307	261	140	585	199	213	185	105	102	64	85

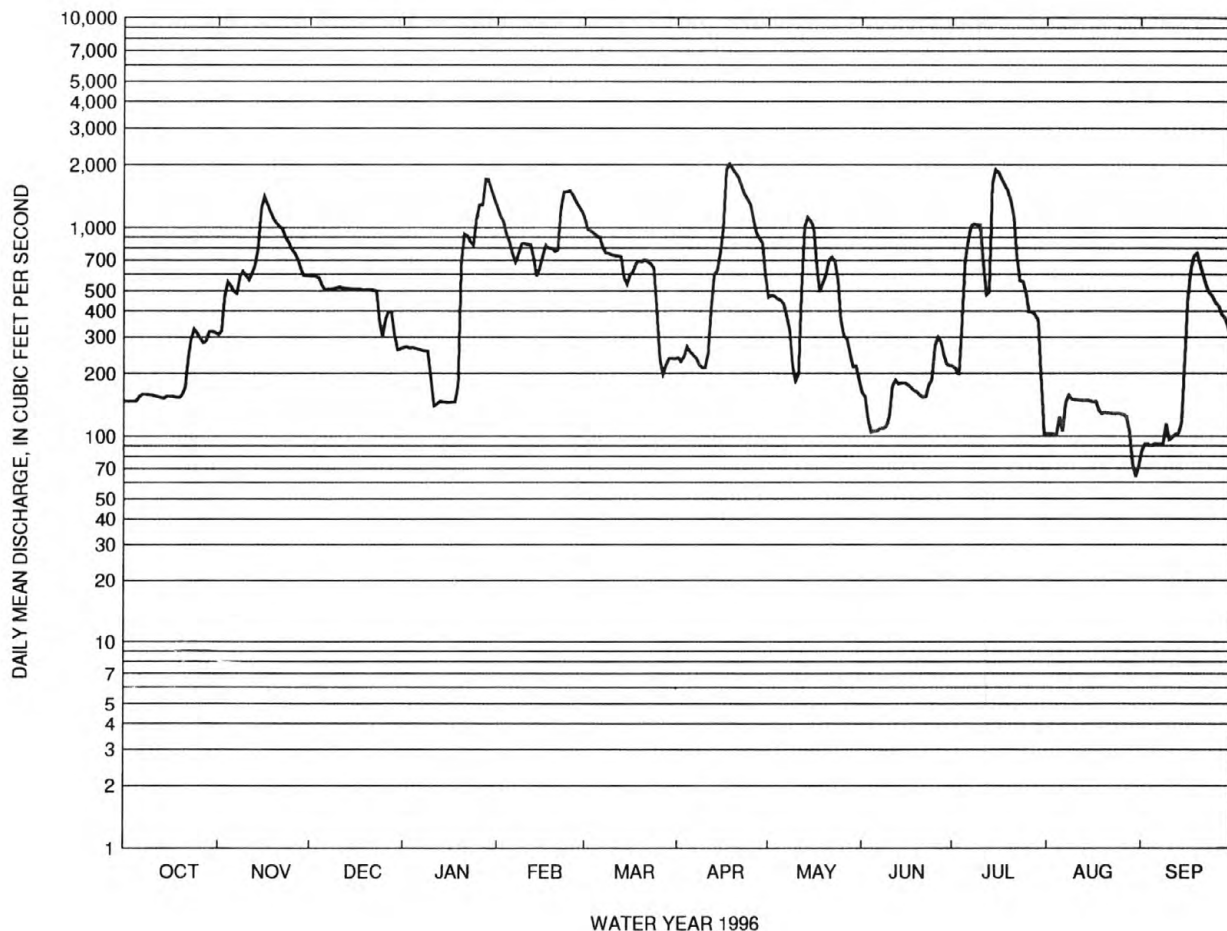
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01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	245	265	326	284	301	527	951	462	306	190	177	196
MAX	1039	879	1517	750	975	2086	2386	1331	1720	810	285	905
(WY)	1978	1978	1984	1978	1996	1936	1920	1989	1917	1996	1906	1954
MIN	55.0	57.8	39.7	97.2	97.5	126	227	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1906 - 1996	
ANNUAL TOTAL	114880		194107			
ANNUAL MEAN	315		530		352	
HIGHEST ANNUAL MEAN					723	
LOWEST ANNUAL MEAN					172	
HIGHEST DAILY MEAN	1410		2020		4320	
LOWEST DAILY MEAN	24		64		.00	
ANNUAL SEVEN-DAY MINIMUM	24		81		7.9	
INSTANTANEOUS PEAK FLOW			2200		5020	
INSTANTANEOUS PEAK STAGE			7.74			
10 PERCENT EXCEEDS	675		1130		757	
50 PERCENT EXCEEDS	257		437		260	
90 PERCENT EXCEEDS	30		128		60	



01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

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

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--Discharges: July 1941 to current year.
Chemical analyses: Water year 1954.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 1 to Jan. 19, Feb. 2-22, and Mar. 1-19, which are fair. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 28	1530	3,870	7.49	Apr. 27	1545	6,480	9.13
Feb. 22	1615	4,440	7.88	May 1	1945	5,910	8.80
Apr. 24	0330	*7,250	*9.54				

Minimum discharge, 25 ft³/s, Oct. 4, gage height, 1.19 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	452	e152	e56	305	e300	259	4720	280	393	559	39
2	30	541	e142	e55	e260	e230	369	3910	232	271	392	37
3	27	1240	e132	e54	e220	e200	305	2150	199	219	291	38
4	38	1070	e124	e53	e187	e170	246	2220	209	398	245	36
5	104	622	e115	e53	e162	e160	251	2400	259	1430	197	34
6	478	450	e109	e53	e145	e148	250	1920	241	790	211	32
7	673	383	e104	e52	e137	e139	248	1260	224	495	173	30
8	310	726	e99	e52	e138	e132	228	1310	415	403	142	28
9	210	523	e96	e52	e139	e123	210	1270	713	373	210	39
10	149	328	e92	e51	e132	e120	199	1160	1040	289	356	57
11	115	337	e88	e52	e117	e115	199	1620	931	244	187	57
12	97	1760	e86	e51	e105	e112	225	3050	563	197	139	52
13	83	2250	e82	e53	e100	e109	261	2110	915	236	118	44
14	75	796	e79	e50	e94	e107	293	1120	1200	1690	105	61
15	541	994	e76	e49	e89	e170	261	895	754	1550	93	135
16	453	1380	e74	e49	e86	e230	385	792	489	1760	86	140
17	246	743	e72	e54	e83	e210	464	751	340	1010	95	99
18	180	519	e70	e68	e80	e192	430	697	272	577	89	73
19	148	436	e68	e470	e77	e210	380	973	222	460	80	58
20	125	380	e66	2300	e75	232	887	1330	189	1660	71	47
21	121	347	e65	1650	e74	229	2750	1450	232	2070	69	41
22	1770	325	e64	750	e2510	222	3690	1220	664	1000	77	37
23	1250	290	e63	537	1730	201	3940	726	1280	565	74	34
24	473	252	e62	494	1110	182	6700	546	1050	426	73	32
25	380	175	e62	951	1020	181	3150	435	1020	391	65	44
26	324	237	e61	625	647	230	2100	368	935	534	57	69
27	255	222	e60	486	490	302	5840	318	525	770	55	60
28	2050	248	e59	840	414	247	3270	282	374	618	55	50
29	2460	271	e58	662	364	234	1440	354	302	387	51	246
30	1010	170	e57	500	---	232	1500	423	286	296	46	210
31	603	---	e56	390	---	226	---	366	---	277	42	---
TOTAL	14812	18467	2593	11612	11090	5895	40730	42146	16355	21779	4503	1959
MEAN	478	616	83.6	375	382	190	1358	1360	545	703	145	65.3
MAX	2460	2250	152	2300	2510	302	6700	4720	1280	2070	559	246
MIN	27	170	56	49	74	107	199	282	189	197	42	28
CFSM	3.14	4.05	.55	2.46	2.52	1.25	8.93	8.94	3.59	4.62	.96	.43
IN.	3.63	4.52	.63	2.84	2.71	1.44	9.97	10.31	4.00	5.33	1.10	.48

e Estimated

01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	270	338	225	171	150	280	1067	938	313	167	139	149
MAX	869	733	739	575	783	853	1591	2115	804	703	492	836
(WY)	1991	1964	1974	1995	1981	1946	1954	1972	1943	1996	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

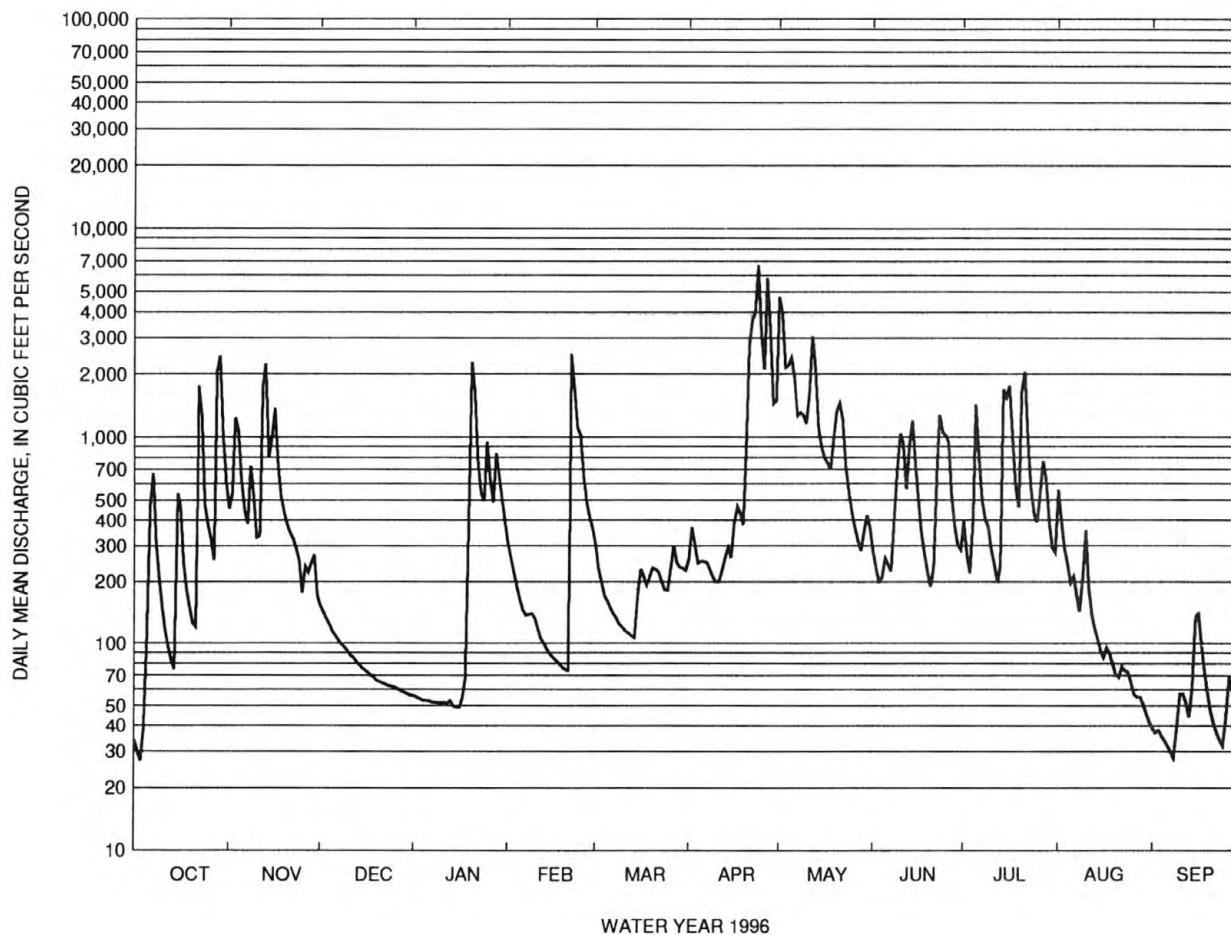
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1941 - 1996

ANNUAL TOTAL	117207		191941				
ANNUAL MEAN	321		524		351		
HIGHEST ANNUAL MEAN					524		1996
LOWEST ANNUAL MEAN					225		1965
HIGHEST DAILY MEAN	3890	Jan 17	6700	Apr 24	7380	Jun 16	1943
LOWEST DAILY MEAN	13	Sep 7	27	Oct 3	6.8	Aug 28	1949
ANNUAL SEVEN-DAY MINIMUM	15	Sep 2	34	Sep 2	9.0	Sep 11	1952
INSTANTANEOUS PEAK FLOW			7250	Apr 24	8630	Jun 16	1943
INSTANTANEOUS PEAK STAGE			9.54	Apr 24	12.23	Feb 21	1981
INSTANTANEOUS LOW FLOW			25	Oct 4	6.8	Aug 27	1949
ANNUAL RUNOFF (CFSM)	2.11		3.45		2.31		
ANNUAL RUNOFF (INCHES)	28.68		46.98		31.38		
10 PERCENT EXCEEDS	762		1340		848		
50 PERCENT EXCEEDS	124		235		158		
90 PERCENT EXCEEDS	26		53		51		



01053500 ANDROSCOGGIN RIVER AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'46", Coos County, Hydrologic Unit 01040001, on right bank 0.4 mi downstream from Errol Dam, 0.4 mi northeast of Errol, and 0.6 mi upstream from Clear Stream.

DRAINAGE AREA.--1,046 mi².

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

Chemical analyses: Water years 1955, 1958.

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

GAGE.--Water-stage recorder. Datum of gage is 1,227.30 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1943, nonrecording gage at Errol Dam at datum 5.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28,100,000,000 ft³, with final regulation at Errol Dam, 0.4 mi upstream. Satellite and telephone gage-height telemeters at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,480 ft³/s, May 13, gage height, 7.20 ft; minimum daily discharge, 1,060 ft³/s, Apr. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

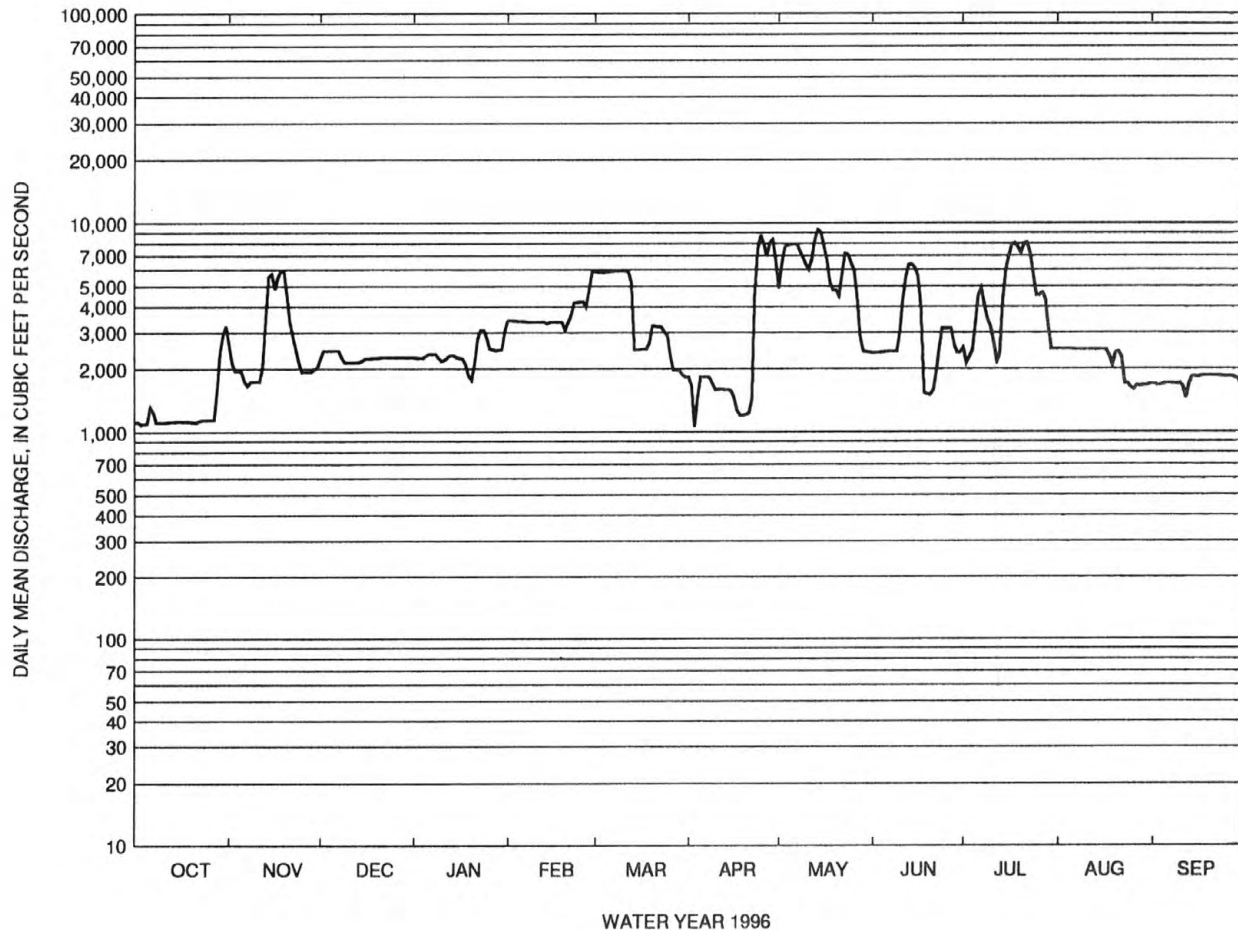
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	2610	2240	2270	3430	5850	1830	4870	2400	2530	2500	1690
2	1120	2120	2450	2260	3410	5840	1680	6380	2390	2140	2500	1690
3	1090	1950	2450	2260	3410	5830	1060	7670	2400	2300	2500	1670
4	1100	1960	2450	2260	3400	5810	1460	7890	2400	2460	2500	1680
5	1100	1950	2450	2320	3390	5850	1830	7920	2410	3250	2500	1700
6	1320	1750	2450	2360	3390	5880	1830	7920	2420	4520	2480	1700
7	1250	1660	2450	2350	3380	5900	1830	7920	2420	4900	2470	1700
8	1110	1740	2270	2360	3370	5920	1820	7370	2420	4030	2470	1700
9	1110	1740	2160	2270	3370	5920	1700	6850	2420	3490	2480	1690
10	1110	1740	2160	2190	3370	5910	1590	6370	2980	3210	2470	1710
11	1110	1750	2160	2210	3370	5900	1600	6010	4230	2690	2470	1650
12	1120	2070	2160	2280	3370	5880	1600	6750	5470	2180	2470	1460
13	1120	3390	2160	2330	3370	5230	1590	8390	6340	2360	2470	1710
14	1120	5570	2160	2330	3300	2480	1590	9300	6370	4260	2470	1840
15	1130	5740	2200	2280	3360	2480	1580	9090	6150	5970	2470	1840
16	1130	4830	2250	2250	3370	2480	1470	7750	5630	6960	2470	1830
17	1120	5480	2250	2250	3370	2490	1280	6650	4030	7860	2470	1850
18	1130	5930	2250	2100	3370	2490	1200	5240	1540	8020	2310	1850
19	1120	5910	2260	1850	3360	2670	1200	4780	1520	7690	2100	1850
20	1120	4510	2260	1780	3090	3230	1210	4780	1510	7230	2390	1850
21	1110	3370	2270	2130	3350	3210	1230	4480	1580	7970	2420	1850
22	1130	2840	2270	2800	3610	3200	1450	5720	1930	8080	2280	1850
23	1140	2450	2270	3080	4170	3190	4440	7170	2500	7260	1710	1850
24	1140	2120	2270	3080	4200	3020	7450	7090	3140	5700	1710	1840
25	1140	1930	2270	2820	4210	2900	8780	6430	3130	4530	1630	1840
26	1140	1940	2270	2490	4210	2340	7930	5980	3140	4530	1600	1840
27	1140	1940	2270	2490	3980	1970	7010	4420	3140	4660	1680	1840
28	1560	1940	2270	2450	4820	1970	8000	2790	2630	4370	1660	1830
29	2420	1990	2270	2480	5880	1960	8380	2430	2390	3130	1680	1790
30	2930	2030	2270	2480	---	1880	6580	2410	2390	2490	1670	1660
31	3220	---	2270	3030	---	1830	---	2400	---	2490	1690	---
TOTAL	40710	86950	70610	73890	105680	121510	92200	191220	93420	143260	68690	52850
MEAN	1313	2898	2278	2384	3644	3920	3073	6168	3114	4621	2216	1762
MAX	3220	5930	2450	3080	5880	5920	8780	9300	6370	8080	2500	1850
MIN	1090	1660	2160	1780	3090	1830	1060	2400	1510	2140	1600	1460

01053500 ANDROSCOGGIN RIVER AT ERROL, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1591	1548	1703	1788	1844	1843	2121	3108	2267	1774	1685	1687
MAX	3949	3745	4722	3589	3644	5454	4736	8192	7129	4621	2265	4738
(WY)	1955	1908	1974	1970	1996	1936	1913	1974	1917	1996	1990	1954
MIN	921	759	844	760	718	592	770	1027	763	808	840	902
(WY)	1922	1922	1909	1909	1911	1948	1940	1941	1911	1915	1915	1911

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1905 - 1996	
ANNUAL TOTAL	594709		1140990		1912	
ANNUAL MEAN	1629		3117		3117	
HIGHEST ANNUAL MEAN					1046	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	5930	Nov 18	9300	May 14	16100	May 22 1969
LOWEST DAILY MEAN	836	Jan 16	1060	Apr 3	.00	Oct 31 1917
ANNUAL SEVEN-DAY MINIMUM	916	Apr 21	1110	Oct 8	152	Mar 21 1948
INSTANTANEOUS PEAK FLOW			9480	May 13	16500	May 22 1969
INSTANTANEOUS PEAK STAGE			7.20	May 13	9.40	May 22 1969
10 PERCENT EXCEEDS	2280		6050		2620	
50 PERCENT EXCEEDS	1260		2420		1700	
90 PERCENT EXCEEDS	1110		1470		1130	



01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH

LOCATION.--Lat 44°26'10", long 71°11'27", Coos County, Hydrologic Unit 01040001, on right bank at Pulsifer Rips, 2.2 mi downstream from Dead River, and 4.0 mi upstream from Gorham.

DRAINAGE AREA.--1,361 mi².

PERIOD OF RECORD.--October 1913 to current year. October 1922 to September 1928, monthly discharge only, published in WSP 1301. Discharges for Dec. 1917 not used in long-term statistics because of unknown discharge on Dec. 25, 1917. Prior to October 1928, published as "at Berlin."

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

GAGE.--Water-stage recorder. Datum of gage is 832.88 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1922, nonrecording gage showing head and tailwater elevations at site 3 mi upstream at different datum.

REMARKS.--Records fair, including periods of no gage-height record, Nov. 18-28, and May 20-31. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28,100,000,000 ft³, with final regulation at Errol Dam 35 mi upstream. Diurnal fluctuations caused by power plant 0.8 mi upstream. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 20,000 ft³/s, June 18, 1917, Apr. 30, 1923; minimum daily discharge, leakage only, Dec. 25, 1917, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,600 ft³/s, Apr. 24, gage height, 9.30 ft; minimum daily discharge, 1,360 ft³/s, Oct. 1 and 2.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	4070	2610	2640	3940	6780	2600	10400	3120	3090	3190	1810
2	1360	3570	2940	2600	4080	6660	2830	10200	3000	3100	3200	1780
3	1370	3790	2890	2370	3960	6580	2460	10400	2870	2400	3150	1970
4	1390	3690	3040	2680	3850	6440	1680	10600	2870	3070	3040	1910
5	1390	3260	2980	2510	3740	6430	2560	11100	2870	3890	3010	2040
6	2110	2870	2980	2570	3860	6510	2610	10800	2910	4980	2920	1970
7	2900	2600	2930	2720	3740	6470	2620	10300	3030	5690	2920	1890
8	1950	2880	2800	2720	3770	6480	2660	9940	3090	4900	2890	1860
9	1650	2830	2500	2740	3790	6440	2560	8600	3460	4100	2770	1930
10	1530	2550	2560	2630	3760	6360	2330	8320	3740	3600	2750	1880
11	1520	2450	2520	2540	3740	6470	2360	8500	4350	3490	2790	1950
12	1470	6960	2470	2510	3710	6370	2250	11400	6120	2820	2840	1750
13	1450	6470	2550	2650	3680	6350	2450	11800	8110	2810	2800	1830
14	1450	6800	2460	2730	3580	3850	2680	11600	8430	5930	2760	2090
15	1850	8580	2620	2660	3670	3170	2730	11000	7830	8210	2740	2110
16	1920	8030	2740	2490	3690	3220	2980	10400	6530	10100	2710	2200
17	1700	6910	2730	2600	3660	3190	4050	8600	6150	10300	2710	2210
18	1530	e6020	2660	2710	3630	3100	3520	7180	2790	9830	2710	2160
19	1520	e6020	2630	3330	3590	2990	3070	6240	2100	9250	2260	2120
20	1490	e5640	2700	6300	3580	3550	3450	e6600	1970	9460	2790	2080
21	1960	e4230	2660	4670	3580	3780	5700	e5880	1900	10200	2620	2070
22	6350	e3960	2650	4090	4280	3790	7810	e7100	2160	9700	2660	2050
23	3660	e3370	2680	4170	5500	3740	8600	e8120	4410	8980	2130	2050
24	2420	e2940	2680	4200	6170	3640	15400	e8040	4610	7300	2020	2030
25	2160	e2520	2650	4640	6470	3440	14200	e7300	4370	5550	1920	2050
26	1950	e2600	2660	4160	5880	3560	12200	e6700	4350	5420	1610	2080
27	1630	e2580	2650	4060	5250	3290	13400	e5230	3850	6020	1940	2070
28	3700	e2630	2640	4920	5440	2700	12400	e3880	3610	5550	2010	2120
29	7240	2720	2640	4200	6950	2760	11400	e3180	3040	4750	1950	2170
30	4780	2570	2630	3930	---	2770	10200	e3170	2920	3410	1930	2160
31	4660	---	2650	3670	---	2700	---	e3180	---	3150	1820	---
TOTAL	73420	126110	83500	103410	124540	143580	165760	255760	120560	181050	79560	60390
MEAN	2368	4204	2694	3336	4294	4632	5525	8250	4019	5840	2566	2013
MAX	7240	8580	3040	6300	6950	6780	15400	11800	8430	10300	3200	2210
MIN	1360	2450	2460	2370	3580	2700	1680	3170	1900	2400	1610	1750

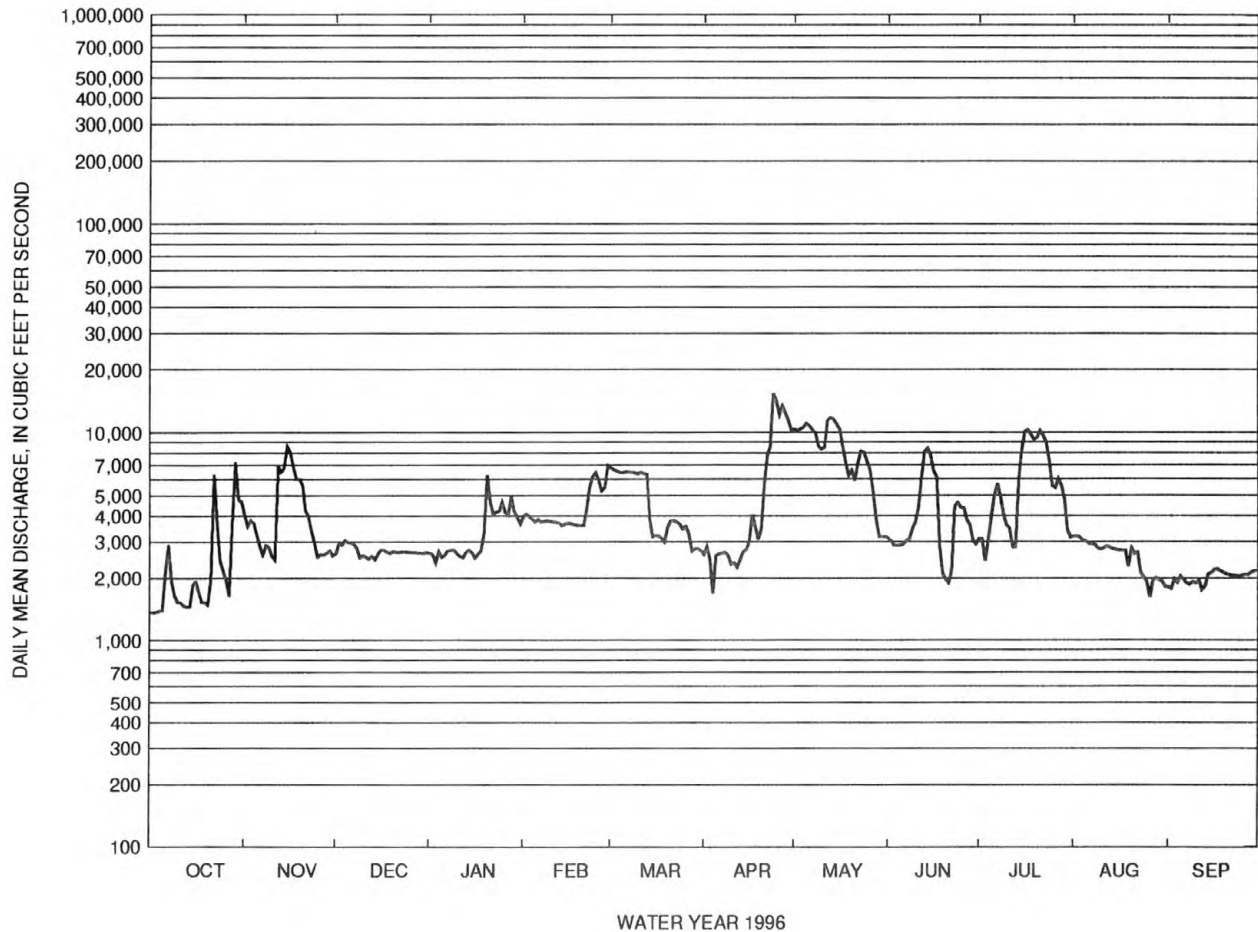
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01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2056	2102	2140	2145	2153	2475	3892	4303	2798	2075	1935	1975
MAX	4894	4292	5811	4044	4294	7684	6474	10050	10560	5840	2792	6387
(WY)	1955	1991	1974	1970	1996	1936	1976	1937	1917	1996	1990	1954
MIN	1374	1413	1257	1276	1299	1376	1755	1746	1545	1524	1462	1330
(WY)	1942	1922	1953	1953	1922	1922	1965	1941	1915	1980	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1914 - 1996
ANNUAL TOTAL	828240	1517640	
ANNUAL MEAN	2269	4147	2509
HIGHEST ANNUAL MEAN			4147
LOWEST ANNUAL MEAN			1689
HIGHEST DAILY MEAN	8580	Nov 15	15400
LOWEST DAILY MEAN	1260	Aug 28	1360
ANNUAL SEVEN-DAY MINIMUM	1290	Aug 27	1560
INSTANTANEOUS PEAK FLOW		16600	Apr 24
INSTANTANEOUS PEAK STAGE		9.30	Apr 24
10 PERCENT EXCEEDS	3320	8150	3700
50 PERCENT EXCEEDS	1890	3070	2010
90 PERCENT EXCEEDS	1380	1950	1600



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

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

DRAINAGE AREA.--69.6 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 683.10 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 12, 1977, at site 180 ft downstream on left bank at same datum.

REMARKS.--Records fair, including periods of ice effect, Nov. 28 to Jan. 19, Feb. 1-21, and Mar. 2-18, and period of doubtful gage-height record, Sept. 19-25. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,300 ft³/s, Oct. 22, 1995, gage height, 14.84 ft; minimum discharge, 6.8 ft³/s, Aug. 3, 4, 1991, Sept. 3-5 and 7-9, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 24, 1959, reached a stage of 15.6 ft, from floodmarks; discharge, 18,100 ft³/s, from slope-area measurement of peak flow.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 22	0130	*17,300	*14.84	Feb. 22	0030	2,920	6.68
Oct. 28	1030	11,000	11.74	Apr. 21	1900	2,570	6.40
Nov. 12	0800	16,300	14.39	Apr. 24	0030	4,960	8.17
Jan. 19	2115	10,200	11.31	Apr. 27	0145	3,530	7.14
Jan. 24	2300	3,120	6.83	May 1	0515	4,500	7.84
Jan. 27	2030	9,370	10.88	July 13	2230	8,550	10.42

Minimum discharge, 9.6 ft³/s, Oct. 3 and 4, gage height, 2.86 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	200	e70	e60	e184	181	140	2150	150	80	128	30
2	10	451	e90	e59	e160	e165	217	935	128	77	127	27
3	9.9	607	e89	e59	e140	e154	182	644	115	69	119	26
4	11	316	e88	e58	e132	e147	157	749	189	223	111	26
5	16	213	e87	e58	e126	e140	144	759	194	838	101	25
6	203	176	e86	e57	e120	e136	134	504	151	221	89	23
7	148	172	e85	e56	e115	e131	135	354	124	153	79	22
8	65	389	e83	e56	e112	e127	124	372	126	133	73	21
9	42	215	e81	e55	e115	e122	113	372	384	119	67	25
10	31	159	e80	e54	e110	e119	115	373	278	112	64	31
11	25	175	e78	e54	e102	e117	111	751	350	105	57	31
12	23	5790	e77	e53	e98	e116	131	1430	203	94	52	28
13	21	719	e76	e52	e95	e116	166	549	184	1150	48	28
14	19	354	e75	e54	e92	e123	170	340	157	1950	45	147
15	361	895	e73	e56	e90	e140	158	284	147	761	43	147
16	112	623	e72	e54	e88	e165	387	278	133	1110	40	151
17	63	307	e70	e60	e87	e150	1280	290	117	404	39	164
18	48	208	e69	e150	e86	e135	459	290	102	227	39	139
19	41	180	e68	e3070	e86	142	399	528	88	256	37	e89
20	34	151	e67	2120	e85	145	621	550	77	675	34	e56
21	2210	146	e66	450	e404	138	1700	435	70	311	33	e40
22	3810	132	e65	302	1670	134	1610	315	77	200	32	e29
23	412	123	e64	255	758	120	2160	249	258	157	32	e25
24	206	113	e63	706	621	107	2370	206	164	150	31	e23
25	148	97	e63	1100	465	103	847	171	158	139	30	e26
26	121	94	e62	337	272	168	1080	153	150	242	29	e41
27	104	91	e62	2420	216	200	2050	140	127	375	34	34
28	3540	e90	e61	1830	205	155	822	129	108	187	38	30
29	855	e74	e61	467	194	135	504	131	92	151	39	124
30	363	e55	e60	347	---	125	488	178	81	140	38	79
31	241	---	e60	268	---	122	---	178	---	130	34	---
TOTAL	13302.9	13315	2251	14777	7028	4278	18974	14787	4682	10939	1762	1687
MEAN	429	444	72.6	477	242	138	632	477	156	353	56.8	56.2
MAX	3810	5790	90	3070	1670	200	2370	2150	384	1950	128	164
MIN	9.9	55	60	52	85	103	111	129	70	69	29	21
CFSM	6.17	6.38	1.04	6.85	3.48	1.98	9.09	6.85	2.24	5.07	.82	.81
IN.	7.11	7.12	1.20	7.90	3.76	2.29	10.14	7.90	2.50	5.85	.94	.90

e Estimated

01054200 WILD RIVER AT GILEAD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	140	205	142	119	108	226	522	408	139	74.6	65.8	53.7
MAX	442	587	604	483	579	558	900	1028	394	353	239	237
(WY)	1978	1970	1974	1986	1981	1979	1984	1969	1973	1996	1990	1981
MIN	17.4	32.0	21.5	18.2	19.9	25.4	164	158	49.9	16.1	14.6	11.1
(WY)	1965	1979	1979	1981	1980	1967	1995	1993	1970	1991	1965	1995

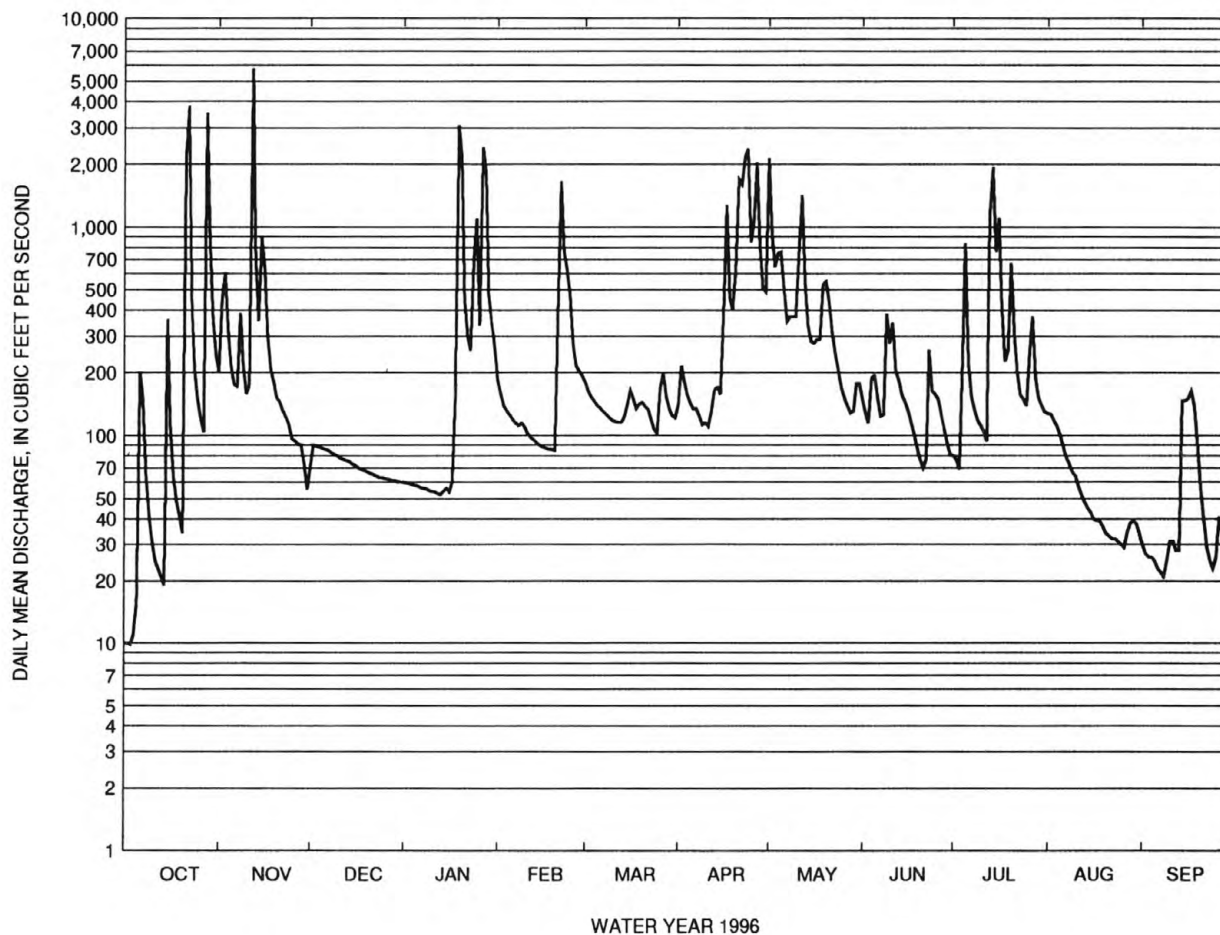
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	59614.0		107782.9									
ANNUAL MEAN	163		294							184		
HIGHEST ANNUAL MEAN										294		1996
LOWEST ANNUAL MEAN										72.9		1965
HIGHEST DAILY MEAN	5790	Nov 12	5790	Nov 12					7240	Mar 31	1987	
LOWEST DAILY MEAN	6.8	Sep 4	9.9	Oct 3					6.8	Sep 4	1995	
ANNUAL SEVEN-DAY MINIMUM	7.2	Sep 2	24	Sep 3					7.2	Sep 2	1995	
INSTANTANEOUS PEAK FLOW			17300	Oct 22					17300	Oct 22	1995	
INSTANTANEOUS PEAK STAGE			14.84	Oct 22					14.84	Oct 22	1995	
INSTANTANEOUS LOW FLOW			9.6	Oct 3					6.8	Aug 3	1991	
ANNUAL RUNOFF (CFSM)	2.35		4.23						2.64			
ANNUAL RUNOFF (INCHES)	31.86		57.61						35.92			
10 PERCENT EXCEEDS	303		653						410			
50 PERCENT EXCEEDS	72		128						75			
90 PERCENT EXCEEDS	10		34						21			



01054200 WILD RIVER AT GILEAD, ME--Continued

WATER-QUALITY RECORDS

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

Chemical analyses: Water years 1966 to current year.

PERIOD OF DAILY RECORD.--

Water temperature: July 1964 to September 1983, November 1991 to September 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)		
		JAN												
		22...	1215	296	17	5.9	1.0	0.5	0.3	752	14.5	102	K 2	22
		AUG												
28...	1020	38	19	6.9	20.5	17.0	0.3	748	9.4	99	K 14	23		
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)			
		JAN												
		22...	4	1.1	0.37	0.8	0.3	1	1	2.1	0.7	<0.1		
		AUG												
28...	5	1.3	0.43	1.4	0.4	4	3	3.3	0.5	<0.1				

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

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

01054200 WILD RIVER AT GILEAD, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
JAN 22...	4.8	18	11	<0.01	--	<0.05	<0.02	--
AUG 28...	7.3	22	18	<0.01	0.08	0.08	0.06	0.08

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)
JAN 22...	<0.2	<0.01	<0.01	<0.01	150	4	<3	36	<4
AUG 28...	<0.2	<0.01	<0.01	0.01	66	4	<3	61	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 22...	10	<10	<1	<1	<1.0	11	<6	3	2.4	33
AUG 28...	3	<10	1	<1	<1.0	13	<6	3	0.31	76

DATE	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
JAN 22...	--	--
AUG 28...	0.08	0.0

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

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

DRAINAGE AREA.--2,068 mi².

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

Chemical analyses: Water year 1953.

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

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

REMARKS.--Records good, except for periods of partial gage-height record, Nov. 8, 9, 12-14, Mar. 14-22, Apr. 1-5, 14-17, and May 28, which are fair. Prior to Nov. 19, 1979, discharge computed from flow over dams and through wheels. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28,100,000,000 ft³, with final regulation at Errol Dam 35 mi upstream. Satellite gage-height telemeter at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 30,100 ft³/s, Apr. 24, gage height 13.24 ft, but may have been greater during period of no gage-height record, Nov. 13; minimum daily discharge, 1,270 ft³/s, Oct. 3.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	6890	3420	3190	6570	9040	e4380	19400	4650	3970	4490	1990
2	1340	6250	3550	3060	6050	8800	e4830	20600	4390	4060	4470	1990
3	1270	8430	3200	2950	6100	8410	e5370	16500	4040	3750	4020	2080
4	1360	7630	3580	2760	5480	8110	e4060	16100	3970	3920	3870	2100
5	1440	6110	3780	2850	5180	7600	e3590	16800	4380	9370	3780	2160
6	1940	5090	3530	2630	5170	7800	4450	16100	4140	8960	3680	2180
7	3800	4770	3560	2690	5200	7960	4490	14400	3960	8170	3510	2070
8	3270	e5300	3550	2870	5220	7730	4300	13500	4270	7330	3520	1980
9	2230	e5330	2800	3000	5300	7460	4220	12900	5520	5990	3370	2160
10	1860	4590	2900	3170	5190	7030	4160	11800	6470	5290	3290	2070
11	1780	3870	2590	3020	4980	7610	3820	13500	6390	4590	3230	2060
12	1660	e25100	2810	2840	4860	7830	4140	20200	6900	4280	3600	2360
13	1630	e29400	2840	2900	4410	7850	4450	19400	11100	4140	3210	1840
14	1560	e15100	2940	2970	4370	e7810	e4530	16300	11200	17100	2740	2360
15	2330	14000	2920	3170	4410	e7090	e4820	14600	10600	15000	3080	2880
16	3350	17200	3120	2900	4520	e6550	e5830	13800	9150	16000	3010	2790
17	2310	13400	3270	2860	4560	e5900	e14800	12700	7760	15900	3050	3060
18	2020	10900	3300	3190	4350	e5270	12500	11200	6500	13600	2980	2800
19	1850	10300	3060	4720	4220	e5460	9280	10600	3710	12100	2940	2500
20	1730	9800	3210	22400	4270	e5260	8840	11700	2760	13700	2670	2360
21	2130	8040	3290	16000	4460	e5980	13500	11500	2650	14100	3190	2370
22	23700	6540	3130	10600	9040	e5890	19200	10000	2970	12800	3110	2220
23	14900	6040	3310	8310	12900	5750	19400	10300	6490	11600	3110	2260
24	6780	5190	3310	7560	12800	5470	27600	10700	8010	10200	2480	2240
25	4290	4450	3270	10600	12600	5150	26300	10200	6840	8190	2490	2250
26	3240	3990	3220	11800	11300	5350	20100	9120	6900	7570	2560	2300
27	3080	3930	3250	10800	9400	6420	23000	8300	5810	9030	1900	2280
28	12300	3770	3200	22600	8400	5290	22200	e5630	4990	8160	2310	2270
29	21700	3690	3150	15700	8630	4540	17400	5170	4530	6910	2470	2600
30	12500	3940	3070	10800	---	4250	15500	4650	3800	5670	2260	2870
31	7960	---	3220	8520	---	4430	---	4630	---	4630	2160	---
TOTAL	152610	259040	99350	213430	189940	205090	321060	393300	174850	276080	96550	69450
MEAN	4923	8635	3205	6885	6550	6616	10700	12690	5828	8906	3115	2315
MAX	23700	29400	3780	22600	12900	9040	27600	20600	11200	17100	4490	3060
MIN	1270	3690	2590	2630	4220	4250	3590	4630	2650	3750	1900	1840

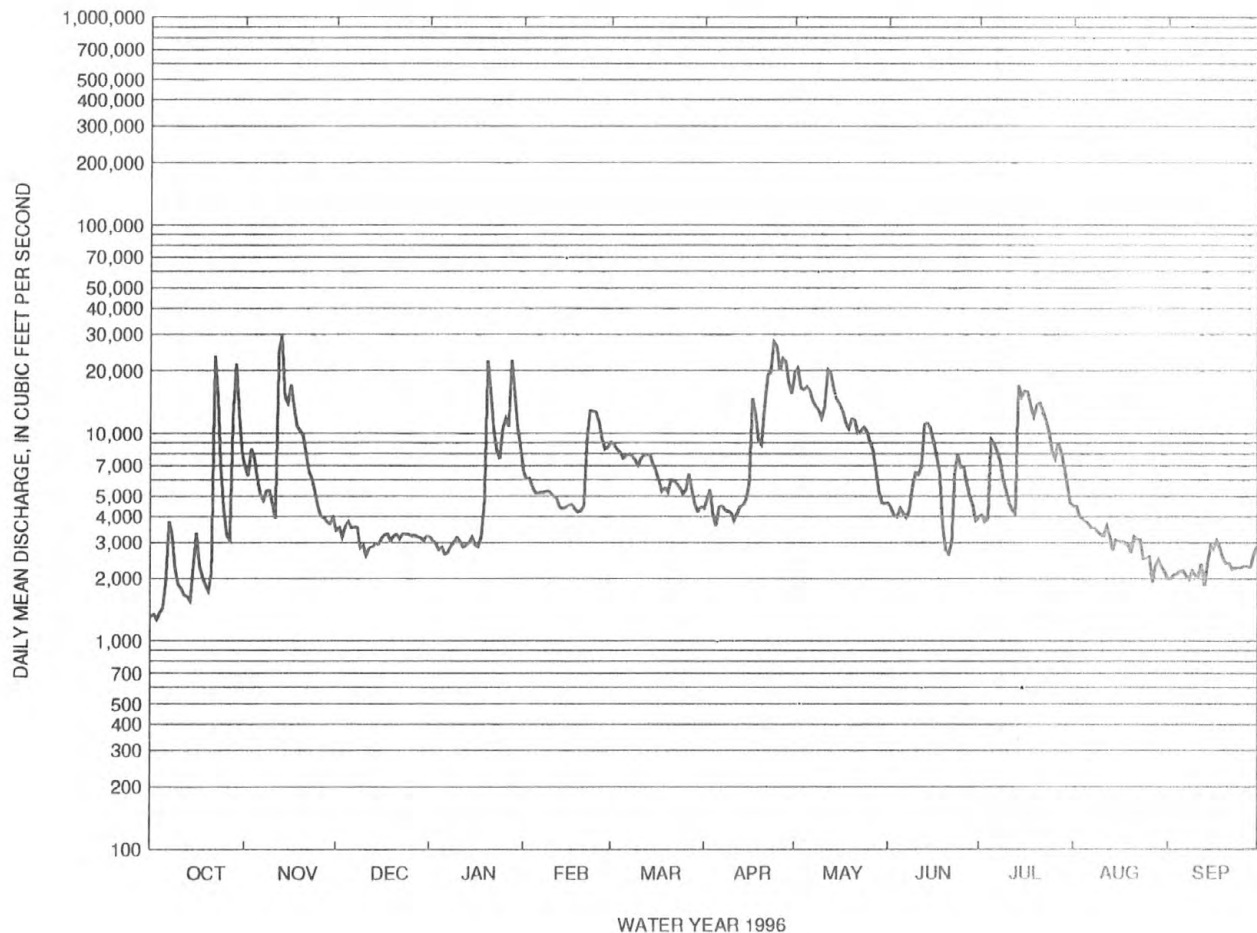
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01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2807	3383	3020	2757	2673	3921	8074	7351	3928	2596	2325	2373
MAX	7423	8635	10560	6885	7192	17420	14900	16650	12210	8906	4518	9296
(WY)	1978	1996	1974	1996	1981	1936	1901	1969	1917	1996	1990	1954
MIN	1447	1511	1121	1353	951	789	3177	2550	1795	1384	1451	1307
(WY)	1911	1909	1909	1909	1911	1911	1995	1941	1911	1911	1911	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1900 - 1996	
ANNUAL TOTAL	1289532		2450750		3768	
ANNUAL MEAN	3533		6696		5695	
HIGHEST ANNUAL MEAN					2000	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	29400	Nov 13	29400	Nov 13	68300	Mar 19 1936
LOWEST DAILY MEAN	982	Sep 12	1270	Oct 3	625	Mar 27 1911
ANNUAL SEVEN-DAY MINIMUM	1230	Sep 6	1780	Oct 1	645	Mar 21 1911
INSTANTANEOUS PEAK FLOW			30100	Apr 24	74000	Mar 20 1936
INSTANTANEOUS PEAK STAGE			13.24	Apr 24		
10 PERCENT EXCEEDS	6030		14200		7180	
50 PERCENT EXCEEDS	2900		4550		2600	
90 PERCENT EXCEEDS	1390		2280		1780	



01055000 SWIFT RIVER NEAR ROXBURY, ME

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

DRAINAGE AREA.--96.9 mi².

PERIOD OF RECORD.--Discharge: June 1929 to current year.

Chemical analyses: Water year 1956.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 1-5, 10-23, Feb. 2-20, 22, and Mar. 1-15, period of doubtful gage-height record, Oct. 1 to Nov. 6, and period of no gage-height record, Jan. 20-24, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft³/s, Oct. 24, 1959, gage height, 12.87 ft, from rating curve extended above 12,000 ft³/s; minimum discharge, 3.8 ft³/s, Sept. 16, 17, 1948.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 22	0515	10,200	9.91	Apr. 24	0200	5,880	7.76
Oct. 28	1445	11,200	10.37	Apr. 27	0400	4,550	6.98
Nov. 12	1145	10,900	10.21	May 1	0800	4,460	6.92
Jan. 19	2400	*12,300	*10.84	May 12	0345	2,650	5.63
Jan. 27	2315	7,280	8.52	July 5	0645	6,610	8.17
Feb. 22	0730	4,380	6.87	July 14	0215	6,270	7.98

Minimum discharge, 8.0 ft³/s, Sept. 7 and 8, gage height, 0.96 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	237	e139	70	241	e185	229	2570	251	171	131	13
2	17	412	e133	69	e201	e165	321	1270	194	111	128	12
3	15	774	e128	68	e178	e147	265	864	161	90	103	14
4	20	520	e122	68	e155	e132	212	1130	169	815	92	14
5	47	306	e119	68	e148	e122	207	1130	203	2830	77	12
6	321	239	111	68	e140	e112	237	738	201	682	67	10
7	260	217	108	67	e136	e103	235	503	160	354	60	8.7
8	123	569	108	65	e147	e97	200	510	210	265	54	8.2
9	83	314	107	65	e152	e89	186	499	329	225	63	29
10	62	206	e105	65	e148	e89	195	466	474	169	68	36
11	50	192	e102	65	e140	e101	180	807	315	137	51	29
12	43	4080	e100	65	e129	e105	219	1890	219	117	44	21
13	38	1050	e99	65	e120	e125	260	805	211	374	41	23
14	34	514	e98	65	e116	e147	275	472	205	2530	39	71
15	293	1210	e96	65	e113	e200	262	373	181	707	34	165
16	179	1020	e94	65	e110	238	456	342	137	1130	31	109
17	100	509	e88	65	e108	212	1120	339	112	513	34	71
18	74	354	e87	76	e106	186	564	322	94	303	32	47
19	63	294	e86	2520	e104	190	465	425	82	278	29	35
20	56	254	e85	e6740	e125	221	742	528	74	820	25	26
21	243	239	e82	e2500	300	204	1900	691	87	417	24	22
22	3540	223	e79	e740	e2650	198	2090	457	224	286	26	19
23	411	196	e78	e327	1100	182	2240	317	472	213	24	18
24	184	175	74	e334	916	158	3190	252	278	184	25	16
25	123	163	74	935	737	158	1080	213	428	170	22	18
26	91	166	74	380	411	241	1160	188	300	284	19	28
27	74	149	73	1340	317	275	2880	167	182	251	18	26
28	4110	149	72	2500	280	205	1170	151	132	187	23	23
29	1230	149	70	666	250	185	674	163	106	141	22	87
30	481	142	70	456	---	189	686	569	100	119	18	78
31	303	---	70	317	---	191	---	403	---	111	15	---
TOTAL	12688	15022	2931	20959	9778	5152	23900	19554	6291	14984	1439	1088.9
MEAN	409	501	94.5	676	337	166	797	631	210	483	46.4	36.3
MAX	4110	4080	139	6740	2650	275	3190	2570	474	2830	131	165
MIN	15	142	70	65	104	89	180	151	74	90	15	8.2
CFSM	4.22	5.17	.98	6.98	3.48	1.72	8.22	6.51	2.16	4.99	.48	.37
IN.	4.87	5.77	1.13	8.05	3.75	1.98	9.18	7.51	2.42	5.75	.55	.42

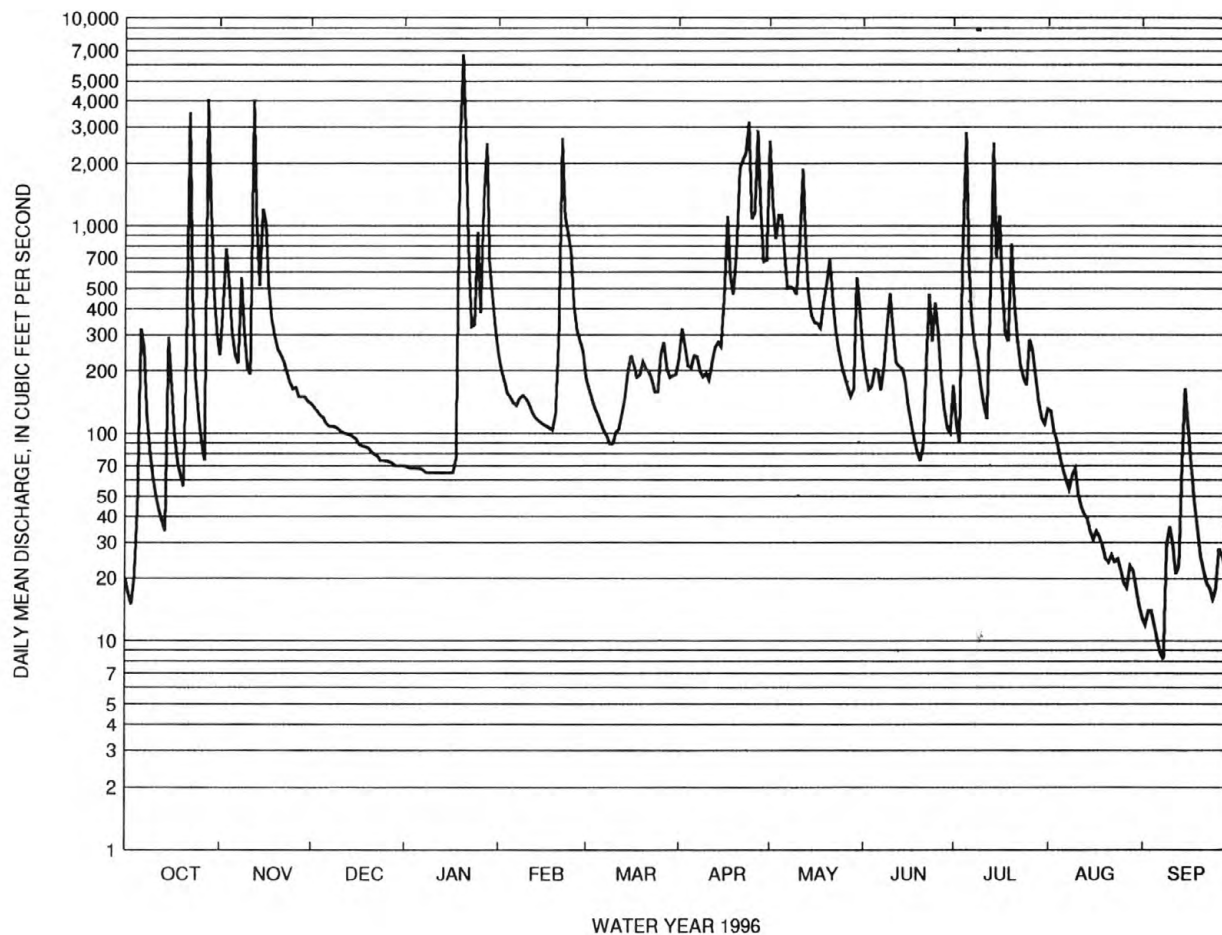
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01055000 SWIFT RIVER NEAR ROXBURY, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	145	211	151	113	94.2	197	622	494	169	84.5	61.0	70.4
MAX	545	644	758	676	463	1315	1141	1032	482	483	277	497
(WY)	1978	1964	1974	1996	1970	1936	1951	1972	1973	1996	1991	1954
MIN	14.9	28.5	15.7	17.8	17.3	20.8	255	111	42.4	18.1	12.7	6.10
(WY)	1948	1979	1930	1948	1980	1967	1995	1941	1941	1952	1949	1948

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	74614.8		133786.9			
ANNUAL MEAN	204		366		201	
HIGHEST ANNUAL MEAN					366	
LOWEST ANNUAL MEAN					103	
					1996	
HIGHEST DAILY MEAN	4110	Oct 28	6740	Jan 20	9120	Apr 1 1987
LOWEST DAILY MEAN	4.7	Sep 7	8.2	Sep 8	3.8	Sep 16 1948
ANNUAL SEVEN-DAY MINIMUM	5.3	Sep 3	11	Sep 2	4.3	Sep 11 1948
INSTANTANEOUS PEAK FLOW			12300	Jan 19	16800	Oct 24 1959
INSTANTANEOUS PEAK STAGE			10.84	Jan 19	12.87	Oct 24 1959
INSTANTANEOUS LOW FLOW			8.0	Sep 7	3.8	Sep 16 1948
ANNUAL RUNOFF (CFSM)	2.11		3.77		2.08	
ANNUAL RUNOFF (INCHES)	28.64		51.36		28.22	
10 PERCENT EXCEEDS	427		809		490	
50 PERCENT EXCEEDS	92		163		82	
90 PERCENT EXCEEDS	16		29		21	



01055100 ANDROSCOGGIN RIVER AT JAY, ME

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

DRAINAGE AREA.--2,488 mi².

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

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

Specific conductance: October 1993 to current year.

Water temperature: October 1993 to current year.

Dissolved oxygen: October 1993 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

Specific conductance: Maximum, 335 μ S/cm, Sept. 11, 1995; minimum, 25 μ S/cm, Apr. 24-25, 1996.

Water temperature: Maximum, 27.0°C, July 7-8, Aug. 2, 1995; minimum, 0.0°C, on many days during winter periods.

Dissolved oxygen: Maximum, 16.1 mg/L, Jan. 29, 1996; minimum, 3.8 mg/L, July 9, 1995.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	243	175	202	57	51	54	120	100	110	115	109	112
2	242	167	205	62	55	58	119	103	111	120	108	113
3	223	173	194	59	52	56	111	103	107	120	114	118
4	251	209	231	54	50	51	116	103	112	120	115	118
5	244	190	219	61	53	57	118	108	114	132	116	125
6	264	214	239	69	60	63	116	106	110	131	122	127
7	216	126	164	81	67	72	113	105	109	130	122	126
8	126	107	113	74	66	70	117	110	113	128	122	125
9	166	112	143	66	62	64	118	113	116	126	121	124
10	174	154	161	70	63	66	124	111	118	122	110	117
11	176	151	166	79	68	74	125	112	119	119	112	115
12	181	155	162	79	29	65	123	112	119	129	119	126
13	217	164	181	32	26	29	126	117	123	130	124	127
14	217	164	184	43	32	37	125	116	122	135	128	132
15	202	180	191	51	41	46	120	116	118	133	122	129
16	198	115	155	41	36	38	121	117	119	124	120	122
17	148	114	130	44	39	41	127	117	123	126	118	124
18	163	120	153	51	44	47	127	111	120	---	---	---
19	182	157	167	52	50	51	118	110	114	---	---	---
20	205	167	180	54	51	53	125	114	118	---	---	---
21	184	163	173	58	54	55	128	116	122	---	---	---
22	180	33	82	63	57	59	119	106	113	---	---	---
23	47	34	41	64	60	62	108	99	104	50	41	45
24	59	47	52	68	62	65	108	102	104	55	49	53
25	76	59	66	74	66	70	107	99	103	62	46	53
26	91	73	82	84	74	80	106	97	101	47	44	46
27	95	83	89	85	80	82	105	96	101	51	44	47
28	99	44	87	98	80	87	113	100	106	55	32	41
29	44	32	35	124	89	103	122	111	116	34	32	33
30	46	37	42	122	93	102	126	117	120	41	34	38
31	52	46	49	---	---	---	126	113	120	48	41	45
MONTH	264	32	140	124	26	62	128	96	114	135	32	95

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	74	64	69	86	72	78	83	64	73	181	154	164
2	71	58	65	83	65	72	82	66	75	179	156	168
3	88	63	71	78	71	74	82	73	76	170	148	161
4	87	61	68	93	61	71	94	74	83	172	148	158
5	69	58	62	63	41	50	93	79	85	177	156	171
6	64	55	58	42	40	41	91	81	86	183	153	168
7	63	56	59	47	41	44	100	84	92	174	164	169
8	72	59	64	51	46	49	102	78	88	181	164	174
9	73	62	69	58	51	54	114	82	98	193	175	187
10	62	49	55	66	57	59	118	91	104	193	171	186
11	51	47	49	67	62	64	121	87	102	190	169	183
12	52	50	51	75	63	66	111	80	96	196	176	185
13	---	---	---	90	75	79	99	83	90	198	178	189
14	---	---	---	82	33	52	130	83	101	198	176	188
15	---	---	---	37	34	36	126	74	103	178	141	154
16	---	---	---	37	36	37	115	93	103	143	101	127
17	---	---	---	37	35	36	110	88	100	121	111	116
18	59	52	55	40	37	39	107	86	96	123	105	117
19	85	58	66	44	39	41	108	93	100	147	123	136
20	107	74	84	44	40	42	124	96	112	153	132	142
21	127	97	107	41	39	40	131	100	118	159	141	151
22	150	101	117	43	40	41	146	100	120	162	145	156
23	119	78	97	45	42	43	134	110	123	179	155	168
24	78	53	59	47	42	43	150	115	130	175	152	165
25	60	52	56	48	45	46	156	120	137	170	150	163
26	55	51	53	53	48	51	154	126	144	167	129	149
27	59	54	57	53	48	50	162	150	158	158	137	145
28	64	57	59	51	47	48	165	147	160	166	148	160
29	70	63	65	54	50	52	165	136	153	170	147	159
30	76	67	73	60	53	56	164	134	150	160	126	144
31	---	---	---	70	59	65	173	143	160	---	---	---
MONTH YEAR	150 264	47 25	68 86	93	33	52	173	64	110	198	101	160

ANDROSCOGGIN RIVER BASIN

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN	
1	15.0	13.7	14.3		7.9	7.3	7.5		.9	.5	.7		.6	.4	.5	
2	15.3	14.3	14.7		7.3	6.6	6.9		.6	.3	.5		.5	.4	.5	
3	15.5	14.7	15.1		6.7	6.4	6.5		.4	.3	.4		.5	.4	.5	
4	15.5	14.9	15.1		6.9	6.5	6.7		.5	.3	.4		.5	.4	.5	
5	15.3	14.7	15.1		6.6	5.8	6.0		.5	.3	.5		.5	.4	.4	
6	15.1	14.3	14.6		5.8	4.9	5.2		.6	.4	.5		.4	.3	.4	
7	14.4	13.0	13.7		5.1	4.6	4.9		.6	.4	.5		.4	.3	.4	
8	13.6	12.7	12.9		5.3	5.0	5.2		.5	.4	.5		.5	.4	.4	
9	13.6	12.7	13.2		5.0	4.1	4.5		.5	.4	.4		.5	.4	.5	
10	14.2	13.2	13.6		4.1	3.1	3.4		.5	.3	.4		.5	.4	.5	
11	14.3	13.7	14.0		3.7	3.0	3.2		.4	.3	.4		.5	.4	.4	
12	14.3	13.9	14.1		7.2	3.7	5.5		.5	.3	.4		.4	.3	.4	
13	14.9	13.7	14.2		7.3	5.4	6.5		.5	.4	.4		.4	.3	.4	
14	15.0	14.5	14.8		5.4	4.1	4.7		.5	.4	.5		.5	.4	.4	
15	15.3	14.7	15.1		4.1	3.7	3.9		.5	.4	.4		.5	.4	.5	
16	14.8	12.8	14.0		3.7	3.4	3.6		.5	.4	.4		.4	.4	.4	
17	12.8	11.6	12.2		3.7	3.1	3.5		.5	.4	.4		.5	.4	.4	
18	11.6	10.8	11.1		3.1	2.7	2.9		.6	.3	.5		---	---	---	
19	10.9	10.4	10.7		2.7	2.0	2.3		.6	.5	.5		---	---	---	
20	11.1	10.7	10.9		2.4	2.0	2.2		.6	.5	.5		---	---	---	
21	11.5	10.7	11.0		3.1	2.4	2.8		.6	.5	.5		---	---	---	
22	12.9	11.3	12.3		3.4	2.9	3.1		.6	.5	.6		---	---	---	
23	12.3	11.5	11.8		3.4	3.1	3.2		.6	.5	.6		.1	.0	.0	
24	11.5	10.6	11.0		3.2	2.4	2.8		.5	.5	.5		.1	.0	.0	
25	11.5	11.0	11.3		2.4	1.7	1.9		.6	.4	.5		.1	.0	.0	
26	11.3	10.8	11.0		1.8	1.6	1.7		.6	.4	.5		.0	.0	.0	
27	10.9	10.2	10.7		1.9	1.6	1.7		.6	.4	.5		.1	.0	.0	
28	11.3	10.2	10.9		2.5	1.9	2.1		.6	.4	.5		.0	.0	.0	
29	10.8	10.0	10.6		2.2	1.4	1.9		.6	.4	.5		.0	.0	.0	
30	10.0	8.5	9.2		1.5	.7	1.2		.6	.5	.5		.0	.0	.0	
31	8.6	7.9	8.1		---	---	---		.6	.4	.6		.1	.0	.1	
MONTH	15.5	7.9	12.6		7.9	.7	3.9		.9	.3	.5		.6	.0	.3	

DAY	FEBRUARY				MARCH				APRIL				MAY			
	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN	
1	.1	.1	.1		.2	.1	.1		5.6	4.2	4.8		6.7	5.2	5.9	
2	.2	.1	.1		.1	.1	.1		5.7	4.8	5.3		7.7	6.4	7.1	
3	.2	.1	.1		.2	.1	.1		5.3	4.3	4.7		7.9	6.9	7.4	
4	.1	.1	.1		.2	.1	.1		4.4	2.9	3.5		7.9	6.9	7.4	
5	.1	.1	.1		.1	.1	.1		4.2	3.3	3.7		8.5	7.3	7.8	
6	.2	.1	.1		.1	.1	.1		4.8	4.2	4.5		8.6	7.7	8.1	
7	.2	.1	.1		.1	.1	.1		4.8	4.3	4.5		9.0	7.3	8.1	
8	.2	.1	.2		.1	.1	.1		4.3	3.6	4.0		10.3	8.1	9.1	
9	.2	.2	.2		.2	.1	.1		4.1	3.3	3.6		10.8	9.3	10.0	
10	.2	.2	.2		.2	.1	.1		4.4	3.2	3.7		10.5	9.6	9.9	
11	.2	.1	.2		.2	.1	.1		4.6	3.2	3.8		9.6	8.8	9.1	
12	.2	.1	.1		.2	.1	.2		4.4	4.0	4.2		8.8	7.4	8.1	
13	.2	.1	.2		.6	.2	.3		5.4	4.2	4.8		7.6	7.2	7.4	
14	.2	.1	.1		1.0	.2	.5		5.9	4.4	5.0		7.8	6.8	7.3	
15	.2	.1	.2		1.5	.5	.8		5.4	4.2	4.7		8.9	6.9	7.8	
16	.2	.1	.2		1.6	.9	1.2		5.6	4.4	4.9		9.9	8.0	8.9	
17	.2	.1	.1		1.2	.3	.7		4.4	2.3	3.2		10.9	9.3	10.0	
18	.2	.2	.2		1.9	.7	1.2		3.5	2.2	2.8		11.7	9.9	10.7	
19	.2	.2	.2		2.0	.8	1.4		5.2	3.4	4.2		12.6	11.3	11.8	
20	.3	.2	.2		2.1	.8	1.2		6.5	4.9	5.5		13.3	12.0	12.5	
21	.3	.2	.3		1.3	.9	1.1		7.6	6.4	6.9		14.1	13.1	13.5	
22	.3	.1	.2		2.2	1.0	1.5		7.4	5.9	6.4		14.7	13.6	14.1	
23	.1	.1	.1		2.9	2.1	2.5		6.7	6.0	6.4		15.2	13.8	14.4	
24	.1	.1	.1		2.9	2.0	2.5		6.4	4.7	5.7		15.0	13.9	14.5	
25	.1	.1	.1		3.4	2.5	2.9		4.8	4.4	4.6		14.6	13.3	13.8	
26	.1	.1	.1		4.6	3.4	4.0		5.7	4.5	5.1		14.0	12.5	13.0	
27	.2	.1	.1		4.6	3.5	3.9		6.9	5.7	6.3		14.1	12.4	13.3	
28	.2	.1	.1		3.5	2.3	2.8		6.6	5.8	6.2		14.1	13.1	13.6	
29	.2	.1	.1		3.6	2.4	2.9		6.2	5.5	5.8		14.1	13.2	13.5	
30	---	---	---		4.3	3.4	3.8		5.6	5.1	5.2		13.2	12.2	12.6	
31	---	---	---		4.9	3.7	4.2		---	---	---		13.1	11.5	12.2	
MONTH	.3	.1	.1		4.9	.1	1.3		7.6	2.2	4.8		15.2	5.2	10.4	

01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	15.0	12.8	13.5	19.4	18.2	18.6	19.5	18.7	19.1	22.4	21.5	21.8
2	16.6	14.9	15.5	20.4	19.2	19.7	19.6	18.5	18.9	22.3	21.7	22.0
3	17.2	16.4	16.8	21.5	20.4	20.8	20.8	19.6	20.0	21.8	21.4	21.6
4	17.5	17.0	17.2	20.4	19.2	19.8	22.2	20.8	21.5	23.0	21.5	22.1
5	17.5	16.9	17.1	19.2	17.7	18.5	22.9	22.2	22.6	23.4	22.4	22.9
6	18.3	17.4	17.8	18.0	17.3	17.6	23.6	22.6	23.3	23.9	22.9	23.4
7	18.7	17.8	18.3	19.2	17.5	18.1	24.6	23.5	24.2	23.8	23.0	23.4
8	18.5	17.7	18.1	19.9	18.8	19.2	25.2	24.2	24.7	23.5	22.3	22.9
9	18.5	17.3	17.8	20.9	19.9	20.3	25.2	24.1	24.8	22.4	21.0	21.7
10	17.3	16.0	16.5	21.7	20.9	21.2	24.5	23.9	24.1	21.4	20.9	21.1
11	17.3	15.6	16.3	21.8	21.2	21.5	24.0	22.6	23.7	21.5	20.9	21.2
12	20.2	17.3	18.5	21.8	21.5	21.6	23.4	21.7	22.7	21.2	20.7	20.9
13	---	---	---	22.0	20.0	21.4	22.5	21.7	22.1	20.9	19.4	20.2
14	---	---	---	20.0	17.3	18.6	22.8	21.7	22.3	19.4	18.3	18.8
15	---	---	---	18.3	17.3	17.8	23.1	21.9	22.5	18.3	17.6	18.1
16	---	---	---	19.0	18.2	18.5	23.0	21.8	22.4	17.6	16.6	17.1
17	---	---	---	20.1	18.4	19.3	23.0	21.8	22.3	17.0	16.5	16.8
18	21.3	20.2	20.7	21.0	19.2	20.0	23.1	22.0	22.5	16.9	16.3	16.7
19	21.4	20.7	21.0	20.7	19.9	20.3	23.1	21.6	22.3	17.1	16.3	16.7
20	22.3	21.0	21.6	20.2	18.3	19.1	23.5	21.7	22.6	17.5	16.6	17.0
21	22.0	20.3	21.5	18.3	17.4	17.6	23.3	21.7	22.4	18.1	16.8	17.4
22	20.3	18.2	19.2	18.6	16.7	17.5	23.7	21.9	22.8	17.9	17.0	17.5
23	18.2	16.7	17.4	18.6	17.7	18.2	23.8	22.7	23.3	17.7	16.7	17.1
24	16.9	15.2	16.1	19.5	17.7	18.4	23.3	22.1	22.7	17.0	16.3	16.5
25	18.3	16.9	17.4	19.5	18.9	19.1	23.2	22.2	22.7	16.6	15.4	15.8
26	18.3	17.2	17.7	19.3	18.8	19.0	23.3	22.0	22.6	15.7	14.8	15.1
27	17.4	16.6	16.9	19.9	18.8	19.3	23.1	22.1	22.4	14.9	14.3	14.7
28	18.1	16.9	17.3	20.6	19.0	19.7	22.3	21.5	21.8	15.0	14.2	14.6
29	18.6	18.1	18.3	20.8	19.3	20.1	22.4	21.3	21.8	15.8	14.7	15.2
30	19.0	18.3	18.7	20.8	20.0	20.5	22.1	21.4	21.8	16.0	15.2	15.6
31	---	---	---	20.6	19.5	20.0	21.9	20.8	21.4	---	---	---
MONTH	22.3	12.8	17.9	22.0	16.7	19.4	25.2	18.5	22.4	23.9	14.2	18.9
YEAR	25.2	.0	9.4									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.6	8.9	9.5	12.1	12.0	12.0	14.3	14.1	14.2	13.8	13.6	13.7
2	9.6	9.2	9.4	12.2	12.0	12.1	14.3	14.0	14.2	14.0	13.7	13.9
3	9.6	9.1	9.3	12.5	12.2	12.4	14.8	14.2	14.5	14.0	13.6	13.8
4	9.4	8.9	9.1	12.5	12.2	12.3	14.8	14.2	14.5	13.8	13.7	13.8
5	9.3	8.0	8.9	12.5	12.2	12.3	14.7	14.1	14.3	14.0	13.6	13.8
6	9.1	8.5	8.8	12.7	12.4	12.6	14.9	14.0	14.6	14.0	13.8	13.9
7	10.2	9.1	9.8	12.7	12.4	12.6	14.9	14.6	14.8	14.2	13.9	14.1
8	10.6	10.2	10.4	12.5	12.3	12.4	15.1	14.9	15.0	14.0	13.7	13.9
9	10.2	9.4	9.8	12.8	12.3	12.5	15.2	14.9	15.1	13.7	13.4	13.6
10	9.5	8.1	8.8	13.4	12.8	13.1	15.0	14.6	14.9	13.8	13.4	13.6
11	8.9	8.6	8.7	13.5	13.2	13.4	14.8	14.5	14.6	13.6	13.3	13.5
12	8.9	8.5	8.7	13.3	12.3	12.8	14.7	14.5	14.6	13.6	13.3	13.4
13	8.7	8.3	8.5	14.1	13.3	13.7	14.7	14.4	14.6	13.4	13.2	13.3
14	8.5	8.2	8.4	13.8	13.7	13.8	14.9	14.5	14.7	13.2	12.9	13.1
15	8.6	8.2	8.4	14.2	13.7	13.9	14.6	14.4	14.5	13.3	13.0	13.2
16	8.8	8.1	8.4	14.7	14.2	14.5	14.5	14.3	14.4	13.6	12.9	13.3
17	9.2	8.7	9.0	14.6	14.4	14.5	14.4	14.2	14.3	13.6	13.2	13.4
18	9.5	8.9	9.2	14.8	14.5	14.6	14.3	14.1	14.2	---	---	---
19	9.5	8.9	9.2	14.9	14.5	14.8	14.3	14.2	14.2	---	---	---
20	9.6	8.9	9.4	14.9	14.7	14.8	14.3	13.9	14.2	---	---	---
21	9.8	9.3	9.6	14.7	14.0	14.4	13.9	13.7	13.8	---	---	---
22	11.4	9.7	10.6	14.1	13.6	13.8	13.9	13.8	13.9	---	---	---
23	11.5	11.0	11.2	13.8	13.6	13.7	13.9	13.7	13.8	15.2	14.3	14.8
24	11.2	10.6	11.0	14.1	13.6	13.8	14.0	13.6	13.9	14.7	14.2	14.5
25	10.6	10.0	10.3	14.3	13.9	14.1	14.0	13.7	13.9	15.0	14.1	14.4
26	10.1	9.8	9.9	14.3	14.0	14.1	14.0	13.7	13.9	15.4	15.0	15.3
27	10.0	9.8	9.9	14.1	13.8	14.0	13.9	13.7	13.8	15.2	14.2	14.8
28	11.6	10.0	10.2	13.9	13.5	13.7	13.8	13.5	13.7	16.0	14.4	15.4
29	12.0	11.6	11.9	13.9	13.4	13.6	13.9	13.6	13.8	16.1	15.6	15.8
30	12.1	12.0	12.0	14.8	13.4	14.0	13.9	13.7	13.9	15.7	15.0	15.3
31	12.1	11.9	12.0	---	---	---	14.0	13.6	13.8	15.0	14.4	14.8
MONTH	12.1	8.0	9.7	14.9	12.0	13.5	15.2	13.5	14.3	16.1	12.9	14.1

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

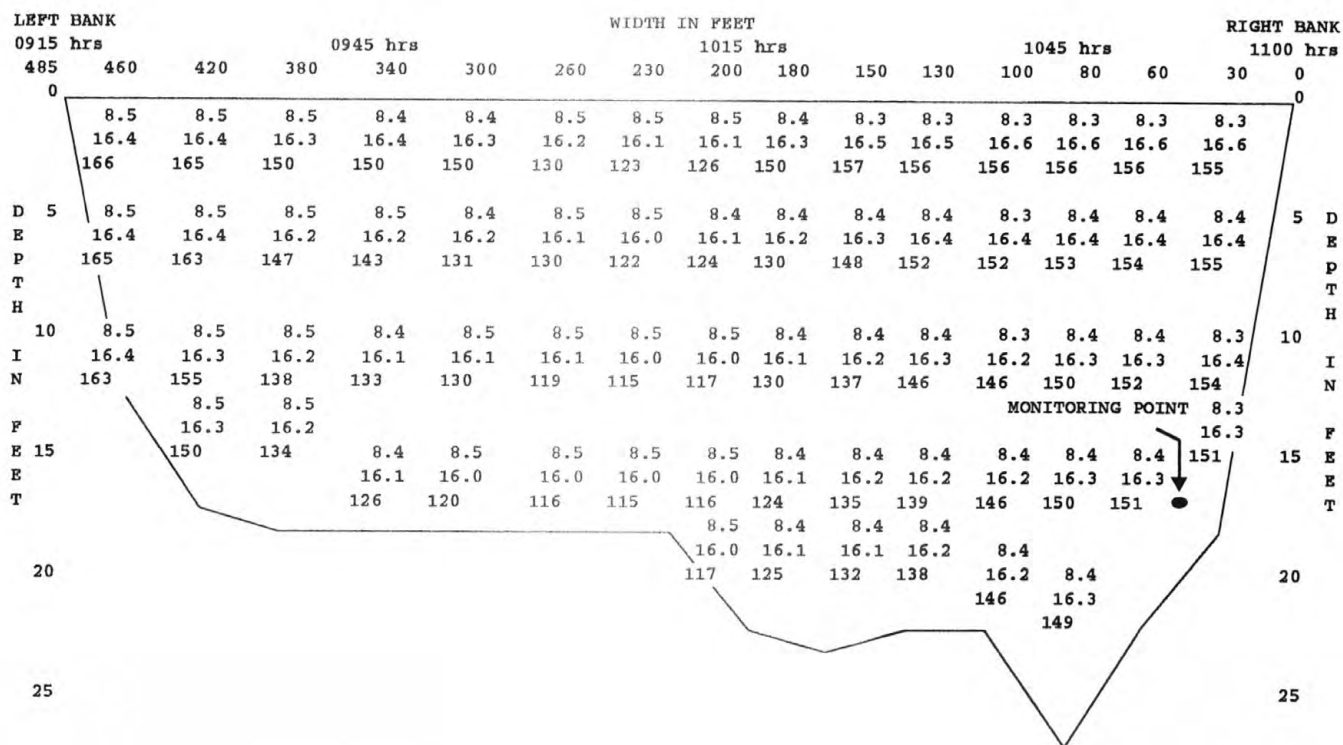
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.7	14.4	14.5	13.0	12.7	12.9	11.4	11.1	11.3	12.3	12.2	12.2
2	14.4	14.0	14.2	13.0	12.7	12.9	11.4	11.0	11.1	12.2	12.0	12.1
3	14.1	14.0	14.1	12.8	12.5	12.7	11.3	11.0	11.1	12.2	11.9	11.9
4	14.2	14.0	14.1	12.8	12.5	12.7	11.4	11.2	11.3	12.2	11.9	12.0
5	14.2	13.8	14.0	13.0	12.7	12.9	11.4	11.2	11.3	12.3	12.1	12.2
6	13.9	13.6	13.7	12.8	12.5	12.6	11.4	11.1	11.3	12.4	12.2	12.3
7	13.8	13.6	13.7	12.7	12.6	12.6	11.4	11.1	11.2	12.6	12.4	12.5
8	13.6	13.2	13.4	12.7	12.4	12.5	11.4	11.2	11.3	12.5	12.3	12.4
9	13.3	12.9	13.1	12.5	12.4	12.4	11.5	11.3	11.4	12.3	12.2	12.3
10	13.0	12.9	12.9	12.6	12.4	12.5	11.6	11.1	11.3	12.2	12.1	12.2
11	13.0	12.9	12.9	12.6	12.4	12.5	11.4	11.0	11.2	12.3	12.2	12.3
12	12.9	12.7	12.8	12.6	12.2	12.4	11.5	11.1	11.3	12.9	12.3	12.6
13	13.1	12.9	13.0	12.3	12.1	12.2	11.4	11.1	11.2	13.1	12.9	13.0
14	13.2	12.7	12.9	12.1	12.0	12.1	11.6	11.1	11.3	13.4	13.1	13.2
15	12.8	12.7	12.7	12.0	11.6	11.8	11.9	11.3	11.5	13.2	12.9	13.1
16	12.8	12.6	12.7	11.6	11.5	11.5	12.0	11.4	11.7	12.9	12.7	12.8
17	12.7	12.5	12.6	11.7	11.6	11.7	12.7	11.5	12.1	12.7	12.4	12.6
18	12.5	12.4	12.4	11.6	11.5	11.6	12.7	12.4	12.6	12.4	12.3	12.4
19	12.7	12.4	12.5	11.7	11.6	11.6	12.4	11.9	12.1	12.3	11.9	12.1
20	12.7	12.4	12.6	11.8	11.5	11.6	11.9	11.6	11.7	11.9	11.8	11.8
21	12.5	12.4	12.5	11.7	11.5	11.6	11.8	11.5	11.6	11.8	11.5	11.6
22	13.1	12.4	12.6	11.7	11.6	11.6	12.3	11.7	12.1	11.5	11.4	11.4
23	13.5	13.1	13.4	11.6	11.3	11.4	12.2	12.0	12.1	11.5	11.3	11.4
24	13.5	13.1	13.3	11.6	11.4	11.4	12.6	11.9	12.2	11.5	11.3	11.4
25	13.1	12.9	13.0	11.6	11.4	11.5	13.0	12.6	12.8	11.5	11.3	11.4
26	13.1	12.9	13.0	11.5	11.2	11.3	12.8	12.3	12.5	11.5	11.3	11.4
27	13.1	12.8	13.0	11.6	11.2	11.4	12.4	12.1	12.2	11.4	11.2	11.3
28	12.8	12.4	12.7	11.9	11.6	11.7	12.5	12.4	12.4	11.2	10.9	11.0
29	12.7	12.4	12.5	11.9	11.5	11.7	12.4	12.2	12.3	11.0	10.6	10.7
30	---	---	---	11.6	11.2	11.3	12.3	12.2	12.3	10.6	10.5	10.5
31	---	---	---	11.3	11.2	11.3	---	---	---	10.7	10.6	10.7
MONTH	14.7	12.4	13.1	13.0	11.2	12.0	13.0	11.0	11.7	13.4	10.5	12.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.7	10.4	10.5	8.7	8.4	8.5	8.4	8.0	8.2	8.3	6.6	7.3
2	10.6	10.3	10.4	8.9	8.5	8.7	9.2	8.2	8.7	8.6	7.4	7.9
3	10.3	9.9	10.1	8.9	8.2	8.6	9.3	8.9	9.1	9.0	6.7	7.8
4	10.0	9.6	9.8	8.5	8.2	8.3	9.1	8.6	8.9	8.7	7.3	7.9
5	9.7	9.6	9.7	8.8	8.2	8.5	9.1	8.7	8.9	---	---	---
6	9.8	9.5	9.6	8.8	8.7	8.8	9.1	8.6	8.8	---	---	---
7	9.6	9.1	9.4	8.9	8.6	8.8	8.9	8.3	8.7	---	---	---
8	9.5	9.3	9.4	8.8	8.5	8.7	8.8	8.2	8.6	---	---	---
9	9.6	9.2	9.4	8.8	8.4	8.6	8.6	7.8	8.3	---	---	---
10	9.7	9.4	9.6	8.7	8.4	8.5	8.2	7.8	8.0	8.0	7.3	7.6
11	9.7	9.5	9.6	8.8	8.5	8.7	8.6	7.9	8.3	8.2	7.3	7.7
12	9.6	9.3	9.4	8.8	8.4	8.7	8.7	8.2	8.5	8.4	7.6	7.9
13	---	---	---	8.8	8.4	8.7	8.8	8.3	8.6	8.2	7.4	7.7
14	---	---	---	9.3	8.5	8.9	9.1	8.2	8.7	7.9	7.3	7.5
15	---	---	---	8.9	8.4	8.6	8.9	7.9	8.4	8.3	7.4	7.8
16	---	---	---	8.8	8.5	8.7	8.5	7.8	8.1	8.8	8.1	8.4
17	---	---	---	9.0	7.9	8.4	8.4	7.8	8.1	8.7	8.3	8.5
18	9.2	8.8	9.0	8.9	7.5	8.2	8.7	7.8	8.3	9.0	8.3	8.7
19	9.2	8.7	8.9	9.3	8.2	8.7	8.9	7.9	8.4	8.7	8.4	8.6
20	9.1	8.7	8.9	9.5	8.0	9.0	8.9	8.0	8.4	9.1	8.0	8.7
21	8.9	8.3	8.7	9.6	9.2	9.3	9.0	7.7	8.4	9.2	7.8	8.6
22	8.6	8.2	8.4	9.8	8.8	9.5	8.6	7.7	8.3	8.9	7.8	8.4
23	9.1	8.4	8.7	9.3	8.4	9.0	8.8	7.8	8.3	8.5	7.6	8.2
24	9.4	9.1	9.3	9.3	8.0	8.8	8.3	7.4	7.9	9.0	7.6	8.3
25	9.4	9.0	9.1	9.0	8.5	8.7	8.6	7.3	8.0	9.0	8.0	8.6
26	9.2	8.9	9.0	8.8	8.4	8.6	8.3	7.5	7.9	9.8	7.9	9.2
27	9.3	9.0	9.1	9.0	8.5	8.8	7.6	6.7	7.3	10.3	8.4	9.6
28	9.2	9.0	9.1	9.0	8.7	8.9	7.2	6.2	6.7	10.4	9.0	9.6
29	9.2	8.9	9.0	8.9	8.5	8.7	8.2	5.8	7.1	10.8	9.0	9.9
30	9.1	8.4	8.7	8.8	8.2	8.5	8.1	6.9	7.7	10.9	9.7	10.4
31	---	---	---	8.5	8.0	8.3	8.0	6.9	7.4	---	---	---
MONTH YEAR	10.7 16.1	8.2 5.8	9.3 11.3	9.8	7.5	8.7	9.3	5.8	8.2	10.9	6.6	8.4

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

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

SEPTEMBER 24, 1996



RECORDED HOURLY VALUES

	0900	1000	1100
DO	8.1	8.0	8.0
WT	16.3	16.3	16.3
SC	163	169	167

CROSS SECTION VALUES

	Max	Min	Mean
DO	8.5	8.3	8.4
WT	16.6	16.0	16.2
SC	166	115	141

RECORDED DAILY VALUES

	Max	Min	Mean
DO	9.0	7.6	8.3
WT	17.0	16.3	16.5
SC	175	152	165

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME

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

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--Discharge: August 1941 to September 1996 (discontinued).
Chemical analyses: Water years 1955, 1961.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 2 to Jan. 20, Jan. 31 to Mar. 14, and Mar. 16-19, and period of partial gage-height record, Sept. 15-16, which are fair. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	1715	2,030	4.58	Feb. 23	----	^a 2,100	Ice Jam
Nov. 16	0915	2,490	4.95	Apr. 17	2130	*5,280	*6.64
Jan. 21	0915	1,750	4.33	July 14	2145	2,880	5.23
Jan. 29	0800	3,710	5.77				

^a estimated daily discharge

Minimum discharge, 12 ft³/s, Oct. 3, gage height, 0.82 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	505	244	e137	e730	e630	509	595	247	148	202	52
2	13	434	e237	e134	e570	e550	636	652	197	140	214	50
3	13	586	e225	e131	e475	e500	784	555	165	128	209	50
4	14	592	e219	e130	e425	e455	671	512	151	441	200	47
5	15	466	e212	e125	e380	e415	583	605	161	649	184	44
6	27	368	e206	e121	e340	e380	556	596	214	562	163	42
7	42	319	e203	e118	e315	e355	544	511	190	443	144	39
8	80	678	e197	e114	e300	e330	506	441	173	344	132	38
9	67	765	e191	e113	e305	e310	481	389	271	506	122	45
10	51	565	e185	e112	e300	e290	519	360	416	569	115	50
11	41	444	e180	e110	e289	e275	532	448	511	455	108	65
12	35	791	e175	e110	e280	e265	634	1150	477	354	98	70
13	28	1490	e169	e118	e260	e270	731	1340	352	460	92	71
14	27	1160	e164	e129	e240	e305	728	982	343	2240	87	89
15	42	1590	e161	e124	e230	374	766	750	362	2530	80	e178
16	67	2380	e163	e118	e221	e500	1060	605	281	1670	77	e293
17	65	1690	e165	e123	e214	e525	4240	541	214	1170	75	315
18	62	1050	e164	e155	e209	e475	4250	486	174	885	72	263
19	59	795	e162	e225	e202	e465	2310	515	146	667	69	208
20	55	674	e160	e1170	e200	619	1480	566	125	1010	68	170
21	60	618	e156	1700	e300	815	1180	515	115	874	66	139
22	441	622	e163	1500	e1500	827	1030	446	130	650	65	117
23	745	565	e161	1080	e2100	773	902	390	308	511	63	101
24	473	497	e161	880	e1520	672	1120	332	585	408	61	88
25	286	430	e161	1260	e1630	604	1170	267	495	331	58	81
26	207	377	e159	1410	e1180	642	891	228	459	320	59	75
27	165	336	e152	1240	e870	773	768	205	358	374	81	70
28	448	322	e148	2780	e760	678	688	186	275	334	74	66
29	1780	321	e141	3120	e710	583	581	170	213	271	67	76
30	1390	280	e133	1820	---	531	518	192	166	225	61	111
31	746	---	e136	e1080	---	502	---	268	---	198	55	---
TOTAL	7557	21710	5453	21487	17055	15688	31368	15798	8274	19867	3221	3103
MEAN	244	724	176	693	588	506	1046	510	276	641	104	103
MAX	1780	2380	244	3120	2100	827	4250	1340	585	2530	214	315
MIN	13	280	133	110	200	265	481	170	115	128	55	38
CFSM	1.44	4.28	1.04	4.10	3.48	2.99	6.19	3.02	1.63	3.79	.61	.61
IN.	1.66	4.78	1.20	4.73	3.75	3.45	6.90	3.48	1.82	4.37	.71	.68

e Estimated

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	165	311	298	218	227	490	969	447	223	119	81.7	81.5
MAX	852	828	1384	827	1066	1747	1769	1102	695	641	440	883
(WY)	1978	1984	1974	1978	1970	1953	1969	1989	1984	1996	1976	1954
MIN	22.1	45.3	46.4	38.2	40.3	101	333	148	44.7	23.7	20.5	13.1
(WY)	1948	1953	1979	1948	1980	1967	1981	1959	1964	1965	1970	1995

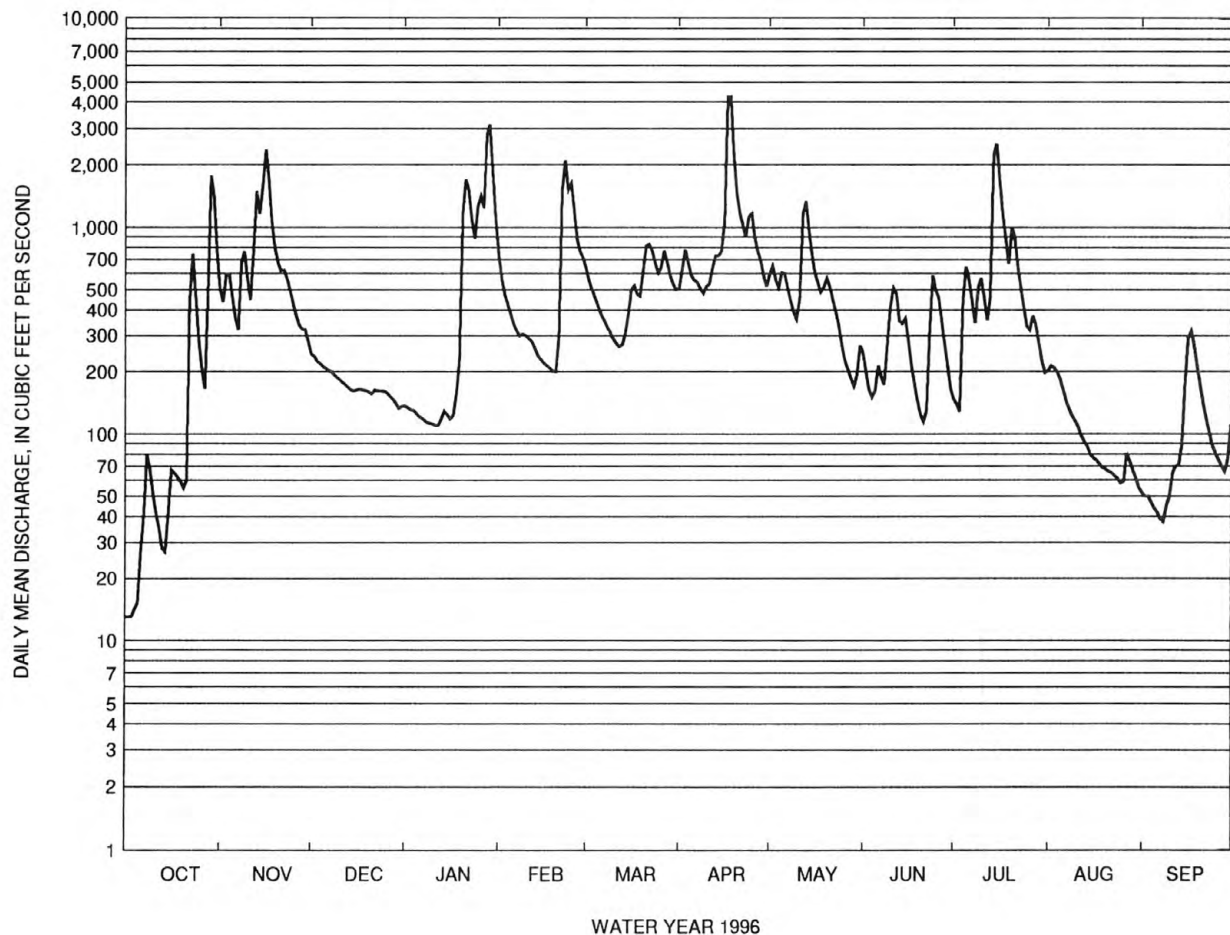
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1941 - 1996

ANNUAL TOTAL	93749	170581	
ANNUAL MEAN	257	466	302
HIGHEST ANNUAL MEAN			482
LOWEST ANNUAL MEAN			144
			1984
			1965
HIGHEST DAILY MEAN	2380	Nov 16	4250
LOWEST DAILY MEAN	11	Sep 19	13
ANNUAL SEVEN-DAY MINIMUM	12	Sep 16	20
			Oct 1
			Oct 1
			10800
			5.8
			Aug 28 1956
			6.6
			Aug 24 1956
INSTANTANEOUS PEAK FLOW			5280
INSTANTANEOUS PEAK STAGE			6.64
INSTANTANEOUS LOW FLOW			12
			Apr 17
			Apr 17
			Oct 3
			13900
			11.18
			Mar 27 1953
			Mar 27 1953
			5.6
			Aug 29 1956
ANNUAL RUNOFF (CFSM)	1.52	2.76	1.79
ANNUAL RUNOFF (INCHES)	20.64	37.55	24.30
10 PERCENT EXCEEDS	641	1070	733
50 PERCENT EXCEEDS	156	300	148
90 PERCENT EXCEEDS	15	66	35



01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

LOCATION.--Lat 44°18'12", long 70°32'22", Oxford County, Hydrologic Unit 01040002, on island 50 ft upstream from Snow Falls and 6 mi upstream from South Paris.

DRAINAGE AREA.--73.5 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 447.00 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 30, 1924, nonrecording gage, and Oct. 1, 1931, to Apr. 19, 1982, water-stage recorder at site 1.0 mi downstream at datum 52.52 ft lower. Apr. 19, 1982 to Sept. 27, 1983, water-stage recorder at site 1.0 mi downstream at datum 57.00 ft lower.

REMARKS.--Records good, except for periods of ice-effect, Dec. 10 to Jan. 19 and Feb. 14-21, and period of no gage-height record, Dec. 23 to Jan. 2, which are fair. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 28	2215	1,740	7.00	Jan. 28	1145	1,950	7.28
Nov. 12	1945	1,200	6.21	Apr. 17	0815	*3,220	*8.63
Nov. 15	2130	1,320	6.41	July 14	1115	1,610	6.83
Jan. 20	1600	1,200	6.21				

Minimum discharge, 2.9 ft³/s, Oct. 1, gage height, 1.53 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	183	106	e57	244	228	204	374	109	57	81	7.1
2	3.4	192	107	e55	214	194	293	329	92	57	85	9.4
3	3.8	300	97	e51	185	176	311	255	73	45	73	8.8
4	5.2	230	100	e54	152	154	237	253	76	144	65	7.3
5	7.2	174	94	e50	136	135	215	265	89	161	55	6.2
6	34	141	93	e47	132	137	218	222	75	123	46	5.5
7	51	127	88	e47	120	127	210	192	62	92	40	4.9
8	34	312	76	e49	121	122	190	168	77	83	35	4.6
9	16	244	75	e50	122	119	184	151	181	143	32	6.7
10	11	174	e74	e48	120	110	202	154	211	112	33	13
11	9.3	147	e71	e47	114	107	199	234	249	88	29	14
12	8.1	651	e66	e45	111	109	255	641	187	67	24	11
13	7.5	778	e62	e48	99	116	282	491	135	136	21	9.9
14	7.2	381	e58	e53	e94	135	286	316	129	1330	19	19
15	24	827	e62	e50	e89	167	294	243	123	789	17	64
16	39	987	e67	e47	e86	220	540	203	108	675	16	118
17	24	526	e69	e48	e83	199	2580	183	82	472	15	120
18	17	339	e68	e54	e80	180	1280	169	65	275	17	86
19	14	266	e64	e100	e78	187	778	227	51	207	15	65
20	12	231	e65	978	e77	239	610	224	42	499	12	45
21	14	225	e66	683	e99	292	605	191	39	303	11	33
22	413	232	e67	391	536	284	599	164	55	199	10	26
23	231	201	e68	280	818	260	509	146	204	147	9.3	21
24	133	172	e67	263	713	218	824	124	168	121	8.9	17
25	102	147	e64	696	721	204	561	107	152	110	8.4	17
26	80	139	e61	449	466	253	385	95	135	170	9.1	18
27	62	132	e57	407	335	309	361	85	100	187	12	17
28	797	131	e52	1590	298	232	307	77	77	152	11	16
29	1100	132	e54	886	291	207	248	72	60	112	10	55
30	433	113	e56	504	---	196	233	136	45	90	8.9	62
31	253	---	e58	348	---	190	---	141	---	79	7.8	---
TOTAL	3938.7	8834	2232	8475	6734	5806	14000	6632	3251	7225	836.4	907.4
MEAN	127	294	72.0	273	232	187	467	214	108	233	27.0	30.2
MAX	1100	987	107	1590	818	309	2580	641	249	1330	85	120
MIN	3.0	113	52	45	77	107	184	72	39	45	7.8	4.6
CFSM	1.73	4.01	.98	3.72	3.16	2.55	6.35	2.91	1.47	3.17	.37	.41
IN.	1.99	4.47	1.13	4.29	3.41	2.94	7.09	3.36	1.65	3.66	.42	.46

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.1	139	128	90.2	84.0	207	469	217	108	51.2	38.5	40.7
MAX	457	421	608	303	380	1133	855	531	464	257	193	354
(WY)	1978	1964	1974	1978	1970	1936	1969	1989	1917	1973	1973	1954
MIN	6.14	13.6	9.71	16.2	2.61	31.3	147	63.1	16.7	6.45	4.01	1.28
(WY)	1948	1953	1923	1948	1920	1940	1995	1941	1964	1991	1995	1995

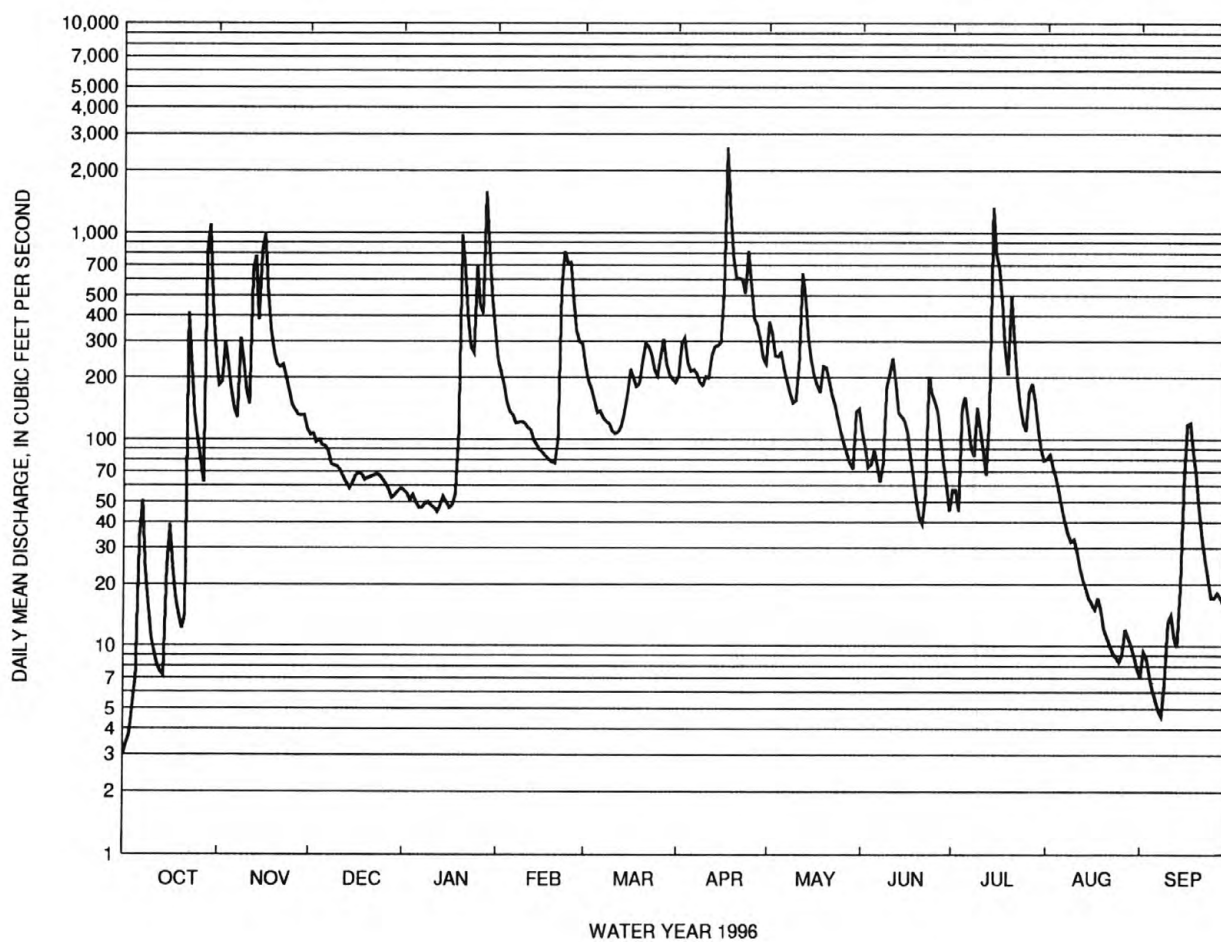
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1914 - 1996

ANNUAL TOTAL	37650.08		68871.5						
ANNUAL MEAN	103		188			138			
HIGHEST ANNUAL MEAN						219			1973
LOWEST ANNUAL MEAN						62.9			1965
HIGHEST DAILY MEAN	1100	Oct 29	2580	Apr 17		6760	Apr 1	1987	
LOWEST DAILY MEAN	.65	Sep 17	3.0	Oct 1		.65	Sep 17	1995	
ANNUAL SEVEN-DAY MINIMUM	.69	Sep 15	6.3	Sep 3		.69	Sep 15	1995	
INSTANTANEOUS PEAK FLOW			3220	Apr 17		9340	Apr 1	1987	
INSTANTANEOUS PEAK STAGE			8.63	Apr 17		12.22	Apr 1	1987	
INSTANTANEOUS LOW FLOW			2.9	Oct 1		.60	Sep 17	1995	
ANNUAL RUNOFF (CFSM)	1.40		2.56			1.87			
ANNUAL RUNOFF (INCHES)	19.06		34.86			25.43			
10 PERCENT EXCEEDS	234		438			333			
50 PERCENT EXCEEDS	61		113			63			
90 PERCENT EXCEEDS	2.4		14			12			



01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME

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

DRAINAGE AREA.--3,263 mi².

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

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

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

REMARKS.--Records good, including periods of no gage-height record, June 20, July 29, Aug. 5-6, and Sept. 4. Considerable diurnal fluctuation and some regulation by powerplants above station. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, Umbagog, Auburn, and Thompson Lakes and Gulf Island Pond with major regulation at Errol Dam, 136 mi upstream, combined usable capacity about 30,703,860,000 ft³. Telephone and satellite gage-height telemeters at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,600 ft³/s, Nov. 13, gage height, 12.96 ft; minimum daily discharge, 1,430 ft³/s, Oct. 13 and 14.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1570	11100	6170	3960	15200	12800	6990	22600	7150	5550	5740	1700
2	1540	10000	6050	4430	12100	13000	8090	28400	6660	4930	6190	2050
3	1590	10300	6070	4710	11700	12200	9950	25000	6260	5720	6250	3110
4	1670	12100	5460	4200	10600	11400	9790	22400	5650	7840	5720	e2370
5	2500	10300	5180	4230	9060	10700	8220	22500	5610	10300	e5760	2940
6	2840	8520	5570	4270	8920	10700	7020	22200	5620	14500	e4980	2870
7	2830	8030	5320	3940	8660	10800	7430	20000	5710	10500	5080	1720
8	4040	8450	5550	3690	8540	9850	7460	18000	5500	9980	4630	1880
9	3300	9470	5650	3720	8690	9830	6340	16700	6220	8860	4800	2710
10	2530	8600	4640	3690	7010	9700	7490	15800	8160	8340	3920	2730
11	2700	8220	4160	3630	7990	9860	7680	16300	8940	6930	4180	2910
12	2320	10700	4070	4180	7460	10300	7270	25600	9030	6680	4640	2990
13	1430	39300	3880	4190	7050	9820	8350	29500	10500	8400	4320	3920
14	1430	29000	4190	4150	6900	10600	8850	25300	13800	22300	4340	3440
15	2000	22400	4510	4150	6430	9820	10200	21600	13400	29500	4200	3740
16	3740	29300	2970	4110	6120	8680	12000	19100	11800	24500	4140	4140
17	4190	24600	2570	4070	6460	8850	32500	17900	9720	24900	3660	4190
18	3590	18600	3970	4180	6600	8230	35200	15900	8760	20800	3240	4300
19	2690	16300	4230	5170	6300	9570	24300	14800	7030	16800	3510	4240
20	2710	15400	4270	16300	5850	9900	18700	15200	e6210	17400	3620	3980
21	1670	14300	4260	27700	6770	9780	18800	15900	6220	19000	3480	1780
22	11000	12200	4300	18100	9000	10400	26100	14800	3750	17500	3650	1670
23	27600	10500	4290	14000	18700	10000	27900	13500	4360	15600	3390	2950
24	13100	10500	4360	13000	22000	9380	31700	13100	8080	14200	3140	2760
25	7660	9030	4750	15200	22700	8760	36800	12800	9760	11800	2270	2820
26	6270	7370	4210	18000	20700	8320	30600	12200	9710	10400	3030	2800
27	4190	6260	4370	17800	16200	9510	29100	10900	8120	10300	3190	3000
28	6200	7020	4870	29600	14600	10100	30900	10100	6760	11400	3150	2060
29	31800	6430	4880	34500	13500	8820	28000	7910	5980	e9850	3180	2060
30	24100	5900	3960	24900	---	7220	23300	6250	5490	8670	2820	3050
31	14400	---	3660	19400	---	6940	---	7520	---	7530	1690	---
TOTAL	199200	400200	142390	327170	311810	305840	527030	539780	229960	400980	125910	86880
MEAN	6426	13340	4593	10550	10750	9866	17570	17410	7665	12930	4062	2896
MAX	31800	39300	6170	34500	22700	13000	36800	29500	13800	29500	6250	4300
MIN	1430	5900	2570	3630	5850	6940	6340	6250	3750	4930	1690	1670

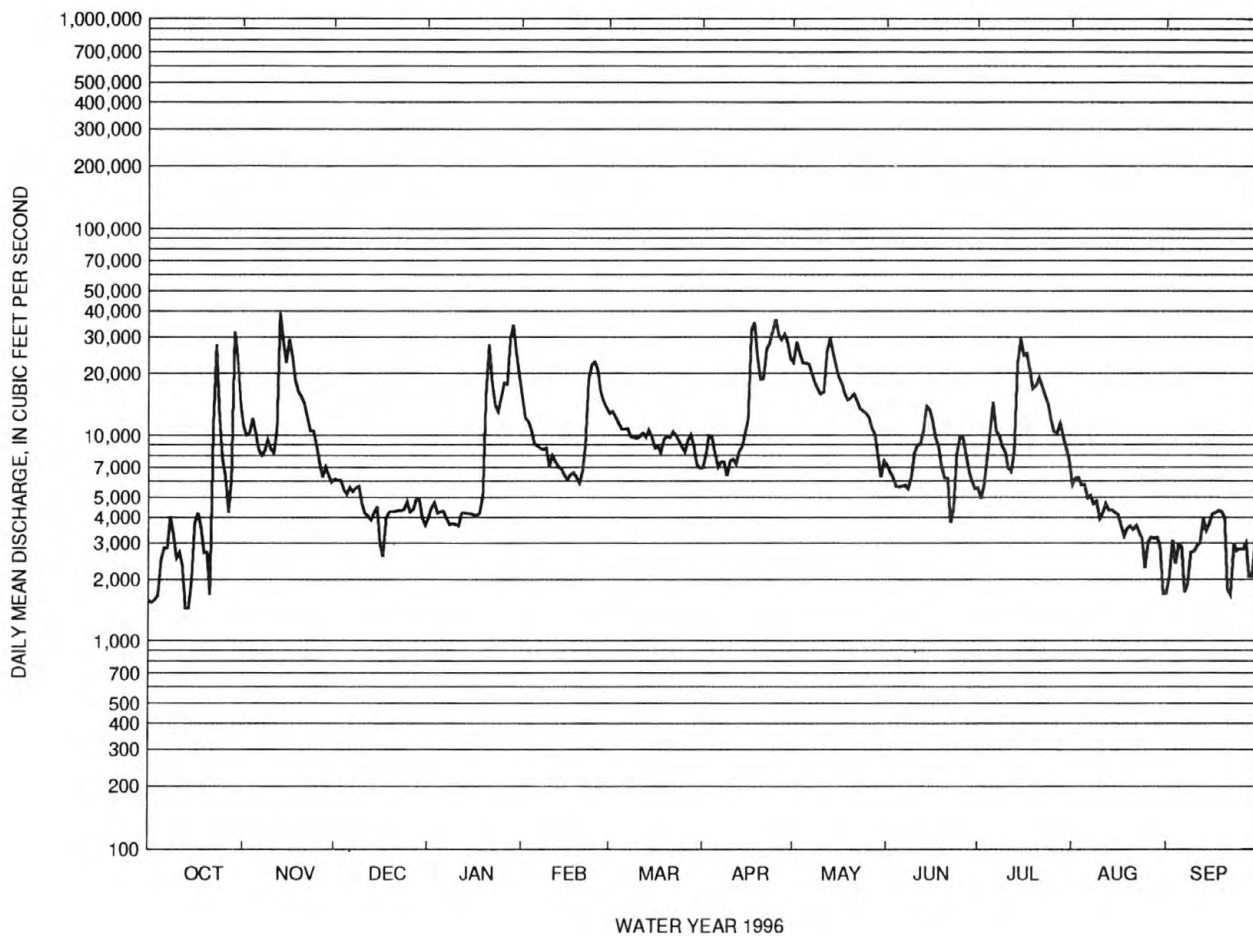
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01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4130	5620	5232	4549	4440	7217	15220	11740	5798	3627	3114	3190
MAX	13950	13340	21260	10550	13570	32680	23710	24940	14450	12930	7185	16700
(WY)	1978	1996	1974	1996	1970	1936	1993	1937	1984	1996	1976	1954
MIN	1859	1904	1845	1852	1881	2384	5722	3688	2518	2039	1762	1439
(WY)	1942	1953	1979	1948	1948	1940	1995	1941	1941	1965	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	1919200		3597150			
ANNUAL MEAN	5258		9828		6156	
HIGHEST ANNUAL MEAN					9828	1996
LOWEST ANNUAL MEAN					3500	1941
HIGHEST DAILY MEAN	39300	Nov 13	39300	Nov 13	114000	Mar 20 1936
LOWEST DAILY MEAN	1270	Aug 30	1430	Oct 13	340	Sep 28 1941
ANNUAL SEVEN-DAY MINIMUM	1320	Aug 29	2080	Oct 1	1320	Aug 29 1995
INSTANTANEOUS PEAK FLOW			42600	Nov 13	135000	Mar 20 1936
INSTANTANEOUS PEAK STAGE			12.96	Nov 13	27.57	Mar 20 1936
10 PERCENT EXCEEDS	10500		22300		13000	
50 PERCENT EXCEEDS	4270		7500		4170	
90 PERCENT EXCEEDS	1540		2930		1960	



01060000 ROYAL RIVER AT YARMOUTH, ME

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

DRAINAGE AREA.--141 mi².

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

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 12 to Jan. 16, Jan. 31 to Feb. 7, Feb. 12-19, Feb. 28 to Mar. 6, Mar. 9-12, and 16-17, which are fair. Low flow may be regulated by operation of mills upstream. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 15	2400	2,160	3.96	Apr. 17	1915	*5,730	*6.35
Jan. 20	1430	1,500	3.37	May 12	1700	1,500	3.37
Jan. 28	1830	2,850	4.50	July 14	1900	4,010	5.29
Feb. 25	0315	1,650	3.50				

Minimum daily discharge, 25 ft³/s, Oct. 1-3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	151	148	e102	e498	e439	291	397	195	69	94	43
2	25	221	187	e101	e385	e353	383	374	152	69	103	43
3	25	520	178	e101	e313	e294	510	298	132	76	96	51
4	26	406	166	e100	e269	e254	399	363	124	558	86	55
5	28	278	149	e100	e239	e239	330	529	132	789	87	50
6	75	201	176	e99	e203	e229	306	463	161	319	79	46
7	159	172	235	e99	e186	214	293	351	148	171	72	44
8	95	831	176	e98	175	198	280	283	130	133	70	42
9	70	788	151	e98	188	e182	286	242	139	114	68	45
10	59	402	178	e97	212	e169	346	243	179	107	67	52
11	50	263	218	e97	214	e165	408	371	156	102	63	58
12	44	551	e174	e96	e195	e174	643	1320	136	82	61	56
13	38	887	e150	e96	e161	192	636	1170	112	451	59	59
14	38	556	e128	e95	e135	227	509	645	100	3580	56	84
15	46	1640	e126	e95	e131	292	561	409	93	2890	55	154
16	73	2010	e123	e95	e128	492	1120	330	85	1250	54	110
17	66	1150	e122	97	e121	e498	4960	423	81	593	54	78
18	50	615	e121	102	e118	e423	4100	471	76	280	53	75
19	45	435	e120	161	e115	392	1720	541	71	198	51	77
20	42	582	e123	1300	118	837	912	618	67	194	49	71
21	46	588	e126	1330	157	1240	608	478	71	173	48	60
22	371	571	e125	1020	892	931	479	369	81	142	48	54
23	367	434	e124	731	1420	675	546	323	133	123	48	54
24	198	345	e122	575	1440	506	580	263	168	116	47	54
25	130	279	e120	1280	1580	441	509	220	134	110	47	54
26	100	243	e118	1190	1210	489	408	189	133	129	46	54
27	85	228	e115	877	800	584	372	169	99	189	46	51
28	144	221	e112	2520	e631	443	337	154	81	154	47	50
29	495	215	e109	2340	e524	359	295	146	75	117	48	50
30	353	188	e105	1390	---	318	313	171	68	100	46	51
31	210	---	e103	e780	---	295	---	233	---	91	45	---
TOTAL	3578	15971	4428	17262	12758	12544	23440	12556	3512	13469	1893	1825
MEAN	115	532	143	557	440	405	781	405	117	434	61.1	60.8
MAX	495	2010	235	2520	1580	1240	4960	1320	195	3580	103	154
MIN	25	151	103	95	115	165	280	146	67	69	45	42
CFSM	.82	3.78	1.01	3.95	3.12	2.87	5.54	2.87	.83	3.08	.43	.43
IN.	.94	4.21	1.17	4.55	3.37	3.31	6.18	3.31	.93	3.55	.50	.48

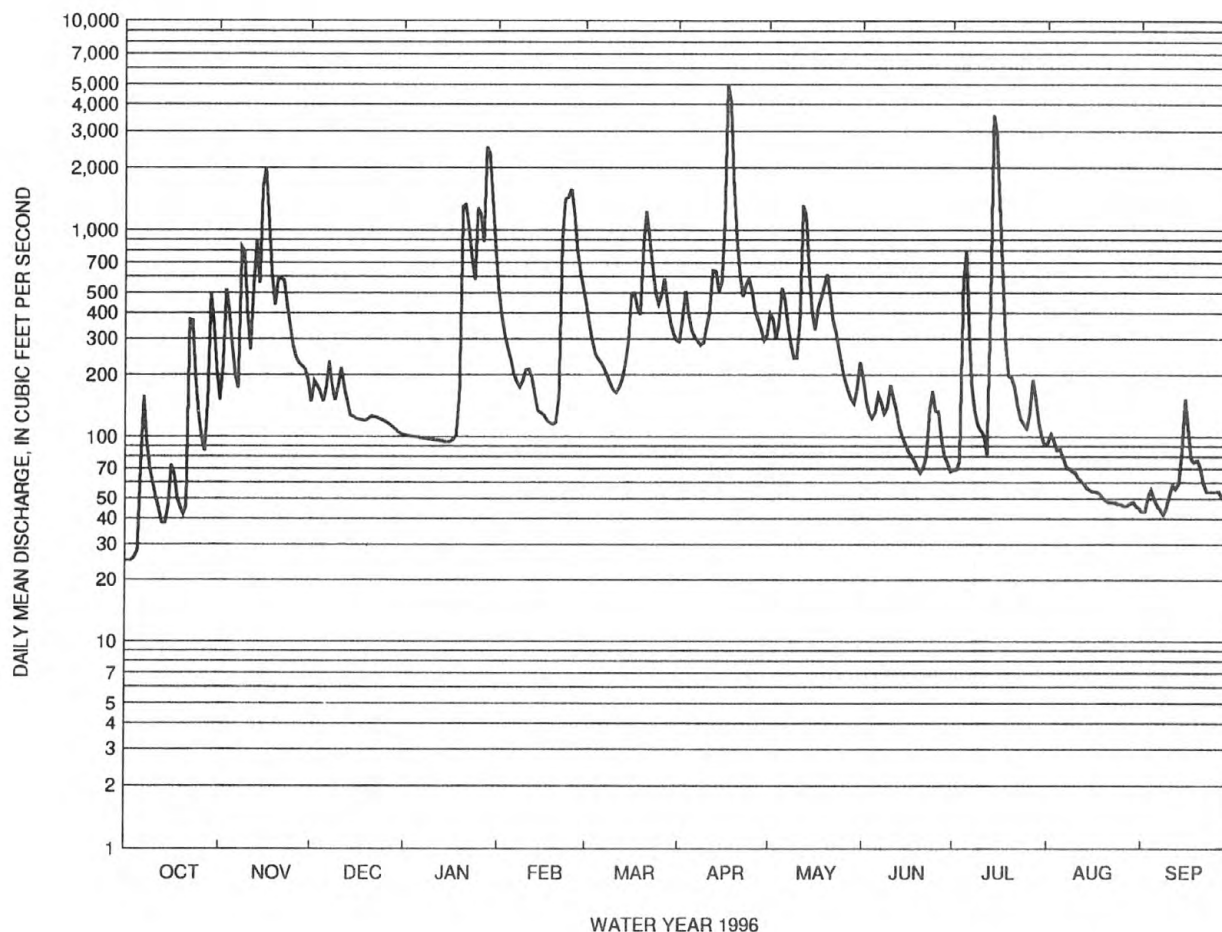
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01060000 ROYAL RIVER AT YARMOUTH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	130	319	304	232	234	546	758	327	178	92.8	77.9	81.9
MAX	682	851	1210	704	658	1603	1372	1085	679	434	679	822
(WY)	1978	1984	1974	1978	1970	1977	1993	1989	1984	1996	1991	1954
MIN	32.0	42.8	52.1	52.5	48.8	121	210	91.6	48.4	26.1	19.7	18.7
(WY)	1966	1979	1979	1981	1980	1956	1985	1985	1985	1965	1965	1965

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	77941		123236			
ANNUAL MEAN	214		337		273	
HIGHEST ANNUAL MEAN					480	
LOWEST ANNUAL MEAN					132	
					1984	
HIGHEST DAILY MEAN	2010		Nov 16		9980	
LOWEST DAILY MEAN	21		Aug 26		5.7	
ANNUAL SEVEN-DAY MINIMUM	21		Sep 2		17	
					Sep 24 1965	
INSTANTANEOUS PEAK FLOW			5730		Apr 17	
INSTANTANEOUS PEAK STAGE			6.35		Apr 17	
					11500	
					8.46	
					Mar 13 1977	
ANNUAL RUNOFF (CFSM)	1.51		2.39		1.94	
ANNUAL RUNOFF (INCHES)	20.56		32.51		26.31	
10 PERCENT EXCEEDS	513		746		635	
50 PERCENT EXCEEDS	126		163		120	
90 PERCENT EXCEEDS	28		51		42	



01063100 CROOKED RIVER NEAR NAPLES, ME

LOCATION.--Lat 43°58'44", long 70°33'50", Cumberland County, Hydrologic Unit 01060001, on right bank at downstream side of bridge on State Highway 11.

DRAINAGE AREA.--150 mi².

PERIOD OF RECORD.--May 1975 to September 1977 (seasonal records only), October 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is 258.31 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 1 to Jan. 19, Feb. 5-21, and Mar. 7-13, and periods of no gage-height record, Oct. 1-2 and 12-16, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,800 ft³/s, Apr. 18, 1996, gage height, 12.60 ft; minimum discharge, 22 ft³/s, Oct. 3, 1995, gage height, 0.64 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximums (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 16	0315	1,300	7.25	Feb. 26	0330	1,940	9.63
Jan. 28	1930	1,720	8.83	Apr. 18	1630	*2,800	*12.60

Minimum discharge, 22 ft³/s, Oct. 3, gage height, 0.64 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e27	506	e251	e120	1220	980	441	735	218	119	212	64
2	e25	379	e221	e119	969	811	502	752	202	114	194	62
3	25	428	e200	e118	814	715	606	739	183	110	183	60
4	27	468	e189	e117	701	635	587	708	174	169	169	58
5	29	427	e208	e116	e511	565	535	691	173	212	154	56
6	55	360	e195	e115	e558	518	489	643	191	227	143	54
7	72	305	e160	e115	e521	e466	466	560	183	219	132	51
8	72	404	e154	e115	e499	e446	449	491	167	186	123	50
9	67	469	e151	e115	e490	e427	434	427	197	153	115	52
10	65	403	e148	e114	e483	e404	456	397	277	135	108	51
11	60	335	e145	e114	e460	e377	463	430	303	118	102	51
12	e52	416	e142	e114	e437	e361	520	905	341	108	96	50
13	e45	716	e140	e114	e410	e346	572	1030	314	139	93	53
14	e43	791	e139	e113	e393	339	587	905	264	797	89	60
15	e49	1030	e137	e113	e386	363	624	763	220	873	85	63
16	e52	1270	e136	e113	e375	433	752	625	183	881	82	70
17	49	1170	e135	e113	e366	470	2290	555	159	845	79	90
18	46	1010	e134	e113	e359	454	2700	498	142	740	76	111
19	48	793	e133	e150	e352	432	2400	519	132	619	73	104
20	50	641	e135	564	e344	484	1710	549	119	547	71	91
21	52	570	e138	876	e375	611	1290	514	113	730	70	80
22	140	547	e139	980	655	654	1080	465	116	709	68	72
23	240	507	e138	933	1110	630	1000	416	154	571	66	67
24	251	454	e136	866	1490	563	1130	366	196	425	65	62
25	214	402	e134	989	1840	515	1200	322	215	333	63	60
26	156	360	e132	1010	1910	529	1170	290	222	288	62	59
27	125	329	e130	1020	1710	606	1000	262	196	304	63	55
28	212	314	e128	1580	1420	587	844	232	164	344	70	53
29	746	304	e126	1620	1160	530	755	216	140	319	76	54
30	793	286	e124	1620	---	480	725	225	124	273	72	54
31	729	---	e122	1510	---	449	---	230	---	233	67	---
TOTAL	4616	16394	4700	15789	22418	16180	27777	16460	5782	11840	3121	1917
MEAN	149	546	152	509	773	522	926	531	193	382	101	63.9
MAX	793	1270	251	1620	1910	980	2700	1030	341	881	212	111
MIN	25	286	122	113	344	339	434	216	113	108	62	50
CFSM	.99	3.64	1.01	3.40	5.15	3.48	6.17	3.54	1.28	2.55	.67	.43
IN.	1.14	4.07	1.17	3.92	5.56	4.01	6.89	4.08	1.43	2.94	.77	.48

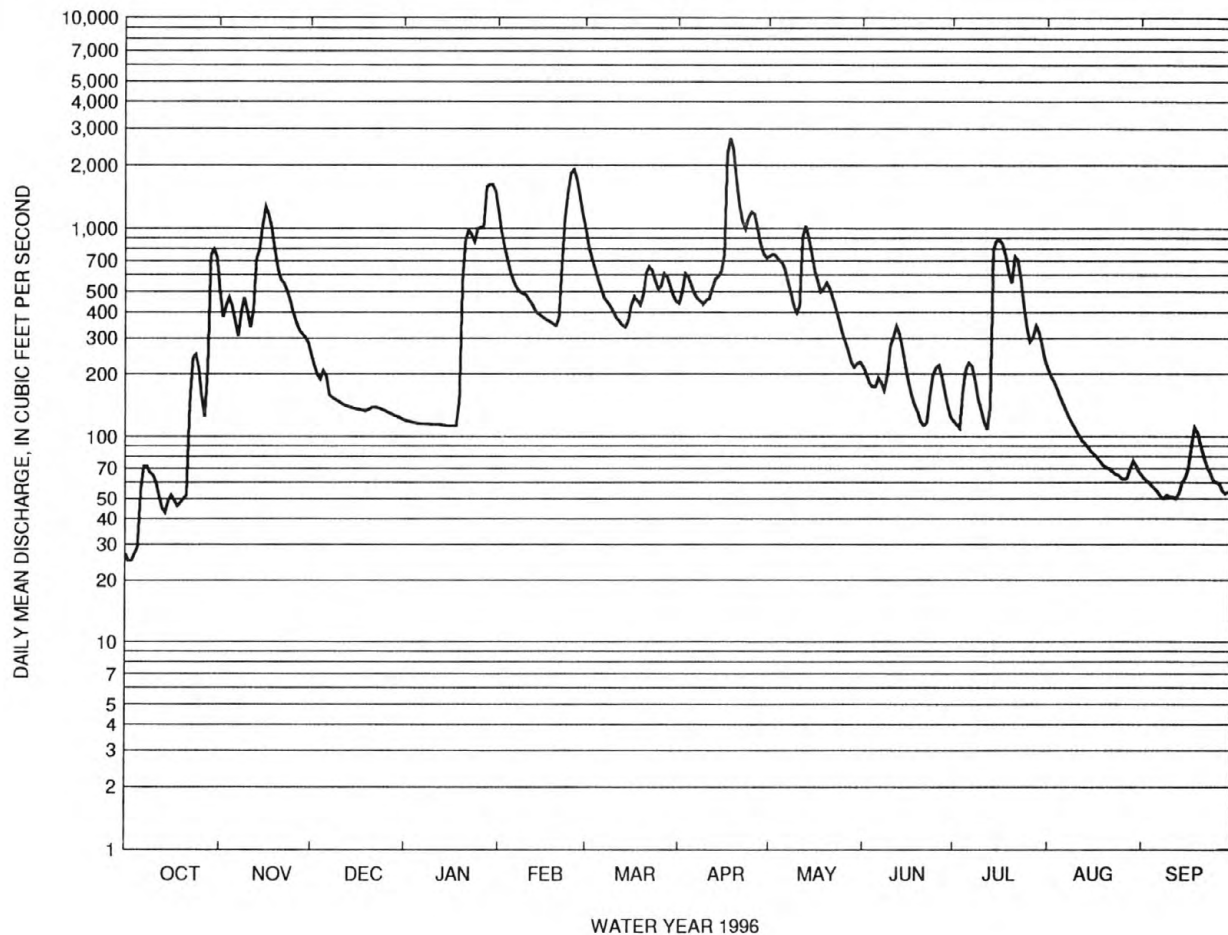
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01063100 CROOKED RIVER NEAR NAPLES, ME—Continued

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	146994	
ANNUAL MEAN	402	
HIGHEST DAILY MEAN	2700	Apr 18
LOWEST DAILY MEAN	25	Oct 2
ANNUAL SEVEN-DAY MINIMUM	37	Oct 1
INSTANTANEOUS PEAK FLOW	2800	Apr 18
INSTANTANEOUS PEAK STAGE	12.60	Apr 18
INSTANTANEOUS LOW FLOW	22	Oct 3
ANNUAL RUNOFF (CFSM)	2.68	
ANNUAL RUNOFF (INCHES)	36.45	
10 PERCENT EXCEEDS	905	
50 PERCENT EXCEEDS	263	
90 PERCENT EXCEEDS	62	



01063310 STONY BROOK AT EAST SEBAGO, ME

LOCATION.--Lat 43°51'22", long 70°38'25", Cumberland County, Hydrologic Unit 01060001, on left bank at upstream side of culvert under State Highways 11 and 114, 0.1 mile upstream from the Northwest River and 0.6 mile upstream from mouth.

DRAINAGE AREA.--1.50 mi².

PERIOD OF RECORD.--Discharge: October 1995 to September 1996.

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

REMARKS.--Records fair, including periods of ice effect, Jan. 3, 8-13, and Feb. 18-19. Satellite gage-height telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19 ft³/s and maximums (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 20	1145	23	5.16	Apr. 17	0045	*63	*6.37
Nov. 8	1515	33	5.51	July 13	2030	22	5.10
Nov. 15	1100	22	5.09				

Minimum discharge, 0.05 ft³/s, Oct. 1 and 2.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.35	1.5	.70	3.4	3.9	2.5	3.5	1.4	.37	.43	.08
2	.06	.56	1.5	.69	2.9	3.3	3.8	3.3	1.4	.29	.40	.10
3	.06	.99	1.4	e.69	2.6	2.9	3.9	2.9	1.1	.32	.39	.10
4	.09	.77	1.4	.68	2.2	2.6	3.1	4.5	1.2	.84	.44	.09
5	.08	1.0	1.3	.64	1.9	2.4	2.2	6.0	1.2	.57	.37	.08
6	.56	1.0	1.4	.60	1.8	2.3	2.4	3.1	1.0	.40	.32	.08
7	.31	1.3	1.3	.57	1.6	2.2	2.2	3.0	.89	.32	.25	.08
8	.28	8.8	1.2	e.57	1.7	2.1	1.9	2.8	.87	.36	.23	.09
9	.26	3.6	1.1	e.57	1.9	2.0	2.4	2.2	.96	.45	.22	.10
10	.24	1.0	1.2	e.57	1.9	1.8	5.5	2.7	.94	.73	.19	.10
11	.21	1.3	1.1	e.57	1.7	1.8	1.8	4.1	.96	.46	.17	.09
12	.22	5.5	.98	e.57	1.6	1.8	2.9	13	.78	.34	.15	.09
13	1.1	3.1	.90	e.63	1.4	2.0	2.8	6.7	.68	5.5	.15	.13
14	.40	2.9	.87	.61	1.3	2.2	3.5	4.7	.67	11	.13	.20
15	.38	11	.97	.60	1.3	2.9	3.5	3.9	.59	4.2	.15	.16
16	1.0	7.0	.96	.57	1.2	3.3	14	3.1	.51	2.8	.17	.14
17	.22	5.8	.94	.59	1.2	2.9	34	4.8	.45	1.5	.17	.13
18	.16	4.0	.94	.62	e1.1	2.6	11	3.4	.40	.98	.15	.14
19	.34	3.6	.91	1.9	e1.0	2.6	7.2	3.7	.39	.89	.15	.11
20	5.6	3.2	.96	5.2	.93	5.0	5.3	3.3	.39	.95	.16	.10
21	.47	3.6	.91	4.0	1.6	5.6	4.2	3.0	.50	.72	.15	.09
22	.87	3.5	.86	3.3	6.6	4.5	3.6	2.6	.66	1.4	.15	.10
23	2.8	2.9	.85	2.6	6.6	3.9	5.0	2.4	1.9	.93	.14	.17
24	1.4	2.5	.85	3.0	6.6	3.4	5.7	2.2	.97	.34	.13	.12
25	1.3	2.2	.85	4.9	6.9	3.5	4.3	1.8	1.0	.33	.11	.14
26	.66	2.1	.82	3.6	5.4	4.1	3.7	1.7	.66	.48	.11	.12
27	.48	1.9	.80	5.2	4.5	4.1	6.1	1.6	.52	.71	.11	.11
28	2.8	2.3	.76	12	5.0	3.5	3.5	1.5	.43	.55	.10	.11
29	2.4	1.6	.74	7.7	5.2	3.1	3.7	1.3	.36	.42	.10	.12
30	.83	1.6	.70	5.8	---	2.8	2.5	1.4	.35	.39	.09	.10
31	.42	---	.70	4.5	---	2.6	---	1.4	---	.35	.09	---
TOTAL	26.06	90.97	31.67	74.74	83.03	93.7	158.2	105.6	24.13	39.89	6.07	3.37
MEAN	.84	3.03	1.02	2.41	2.86	3.02	5.27	3.41	.80	1.29	.20	.11
MAX	5.6	11	1.5	12	6.9	5.6	34	13	1.9	11	.44	.20
MIN	.06	.35	.70	.57	.93	1.8	1.8	1.3	.35	.29	.09	.08
CFSM	.56	2.02	.68	1.61	1.91	2.02	3.52	2.27	.54	.86	.13	.07
IN.	.65	2.26	.79	1.85	2.06	2.32	3.92	2.62	.60	.99	.15	.08

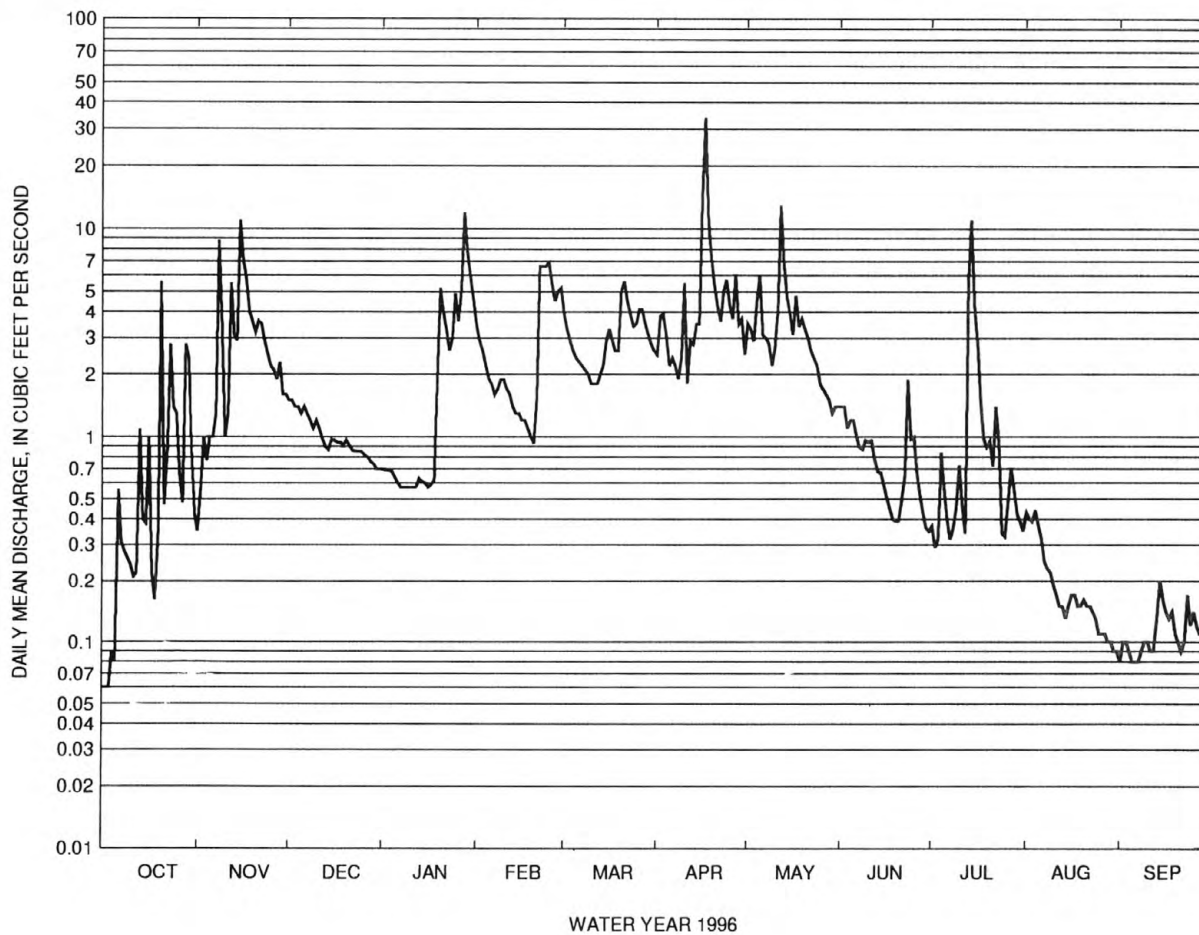
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01063310 STONY BROOK AT EAST SEBAGO, ME—Continued

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	737.43	
ANNUAL MEAN	2.01	
HIGHEST DAILY MEAN	34	Apr 17
LOWEST DAILY MEAN	.06	Oct 1
ANNUAL SEVEN-DAY MINIMUM	.09	Sep 1
INSTANTANEOUS PEAK FLOW	63	Apr 17
INSTANTANEOUS PEAK STAGE	6.37	Apr 17
INSTANTANEOUS LOW FLOW	.05	Oct 1
ANNUAL RUNOFF (CFSM)	1.34	
ANNUAL RUNOFF (INCHES)	18.29	
10 PERCENT EXCEEDS	4.7	
50 PERCENT EXCEEDS	1.1	
90 PERCENT EXCEEDS	.13	



01064000 PRESUMPCOT RIVER AT OUTLET OF SEBAGO LAKE, ME

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

DRAINAGE AREA.--441 mi².

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

Chemical analyses: Water years 1953, 1971.

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

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

REMARKS.--Discharge computed from wheel ratings and from records of openings of two regulating gates at Eel Weir hydroelectric plant.

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

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

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	231	998	844	856	985	852	1240	758	313	1150	352
2	231	232	998	856	856	985	852	1240	758	313	1150	352
3	233	232	998	844	856	985	852	1240	75	313	1150	338
4	233	234	985	856	856	844	852	1250	75	998	833	338
5	233	234	998	856	856	856	865	1250	75	998	833	338
6	233	337	998	844	856	856	865	1240	75	998	833	338
7	233	335	998	856	856	856	865	1240	333	998	412	338
8	233	335	998	856	856	1500	865	1240	333	998	412	338
9	233	335	998	844	856	1520	865	1240	338	998	412	338
10	233	335	998	856	856	1510	865	1240	338	998	412	338
11	233	335	1830	856	856	1510	865	1240	338	998	435	338
12	233	335	1860	844	856	1510	865	1250	338	1330	412	338
13	233	335	1860	844	856	1510	852	1580	338	685	412	338
14	233	335	1860	844	856	1510	852	1580	338	685	412	338
15	231	335	1150	844	856	1510	655	1570	338	685	412	338
16	233	335	1150	844	856	1510	668	1570	338	1500	412	338
17	233	335	1150	844	856	1510	668	1570	338	1870	412	338
18	233	335	1150	844	856	1510	668	1570	338	1870	412	338
19	233	335	1150	856	856	1510	1320	1570	338	1200	333	338
20	233	335	1150	856	948	1510	1320	1570	338	1200	333	338
21	237	856	1150	856	985	1510	1320	2240	338	1210	333	338
22	237	856	1150	844	985	1510	852	2240	338	1870	306	338
23	237	856	1840	844	985	1510	1320	1580	338	1870	327	250
24	237	856	1840	856	998	1510	685	1580	338	1870	327	250
25	237	856	1840	844	998	1510	1250	1590	338	1870	327	250
26	231	856	1840	856	998	1510	1250	1590	338	1870	327	250
27	231	973	1180	856	985	1510	1250	1580	338	1870	327	250
28	231	985	1190	856	985	1510	1250	758	338	1870	327	250
29	231	985	1190	856	985	1510	1240	758	338	1870	327	250
30	231	998	856	844	---	1510	1240	758	338	1870	327	250
31	231	---	856	856	---	1510	---	758	---	1870	327	---
TOTAL	7225	15267	39209	26356	26116	42607	28988	42922	9918	39858	15164	9464
MEAN	233	509	1265	850	901	1374	966	1385	331	1286	489	315
MAX	237	998	1860	856	998	1520	1320	2240	758	1870	1150	352
MIN	231	231	856	844	856	844	655	758	75	313	306	250

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	575	576	604	629	660	624	757	782	704	578	599	578
MAX	1169	1297	1637	1399	1854	1421	4205	1988	2137	1286	835	1065
(WY)	1992	1955	1991	1955	1978	1936	1902	1989	1984	1996	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

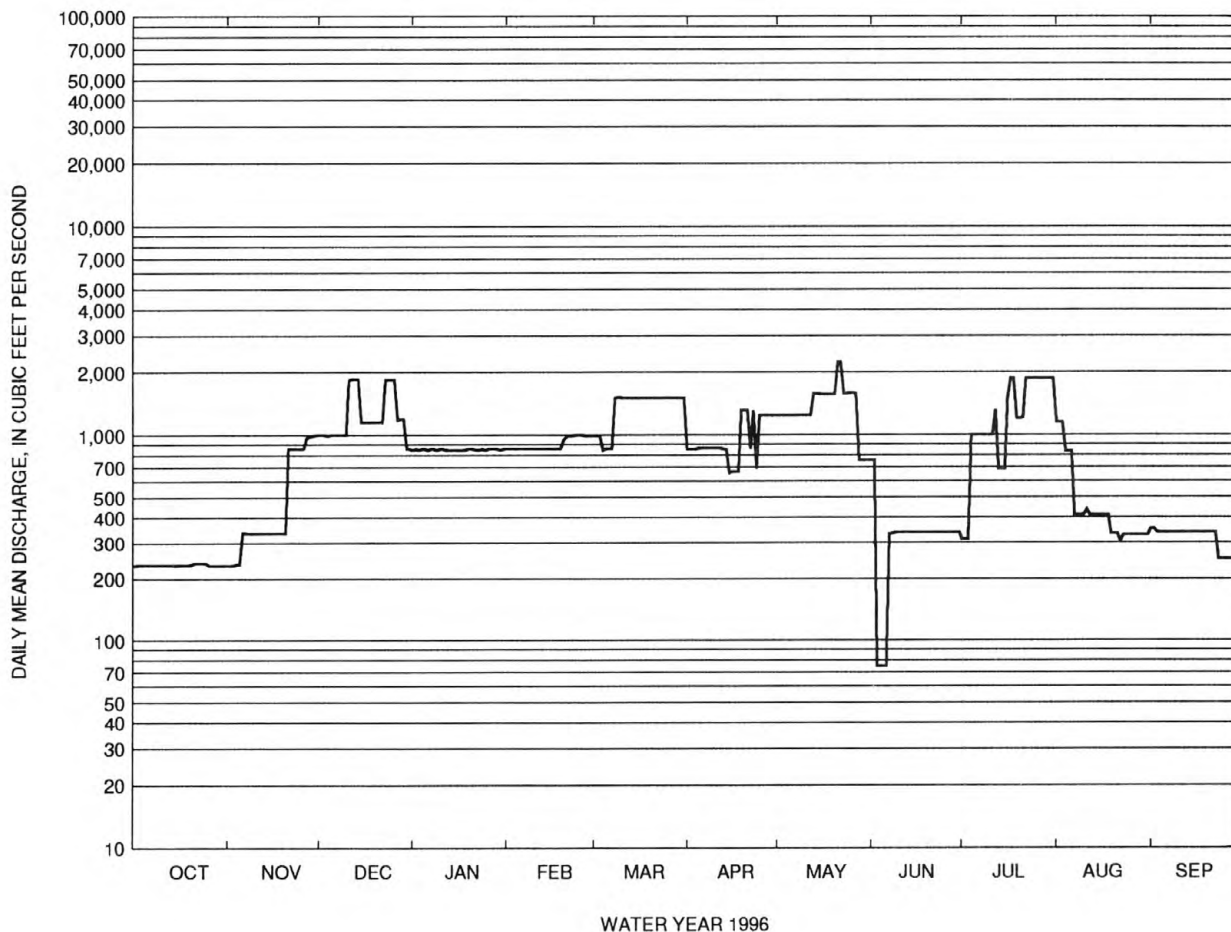
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1902 - 1996

ANNUAL TOTAL	178872	303094	
ANNUAL MEAN	490	828	639
HIGHEST ANNUAL MEAN			1091
LOWEST ANNUAL MEAN			298
HIGHEST DAILY MEAN	1860	Dec 12	2240
LOWEST DAILY MEAN	75	May 15	75
ANNUAL SEVEN-DAY MINIMUM	175	May 11	186
			Jun 3
10 PERCENT EXCEEDS	996		843
50 PERCENT EXCEEDS	338		643
90 PERCENT EXCEEDS	234		273



DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	134	115	126	209	187	201	85	74	78	163	144	153
2	128	102	113	187	172	177	97	85	94	163	153	159
3	102	86	90	184	168	180	102	95	97	159	152	155
4	104	79	88	168	97	121	97	92	95	162	144	152
5	99	89	94	105	95	100	97	80	93	151	140	145
6	123	99	113	103	96	100	127	80	113	187	151	175
7	141	123	132	102	100	101	136	102	113	181	177	179
8	141	107	117	105	97	101	135	103	120	177	172	174
9	136	107	123	99	95	97	152	129	142	176	172	174
10	119	100	108	102	92	96	151	138	144	173	163	168
11	111	100	105	115	96	107	169	137	151	176	163	171
12	138	111	124	111	97	105	168	157	162	169	151	157
13	159	127	140	107	88	94	168	128	152	155	148	150
14	160	141	154	88	63	68	150	132	142	167	155	162
15	146	127	141	86	70	78	142	136	139	168	161	164
16	159	144	151	84	75	82	144	133	140	161	154	156
17	150	137	143	86	78	82	149	140	146	164	155	160
18	166	149	155	79	72	75	146	134	140	164	158	159
19	191	149	157	78	70	72	137	130	133	185	164	174
20	223	191	205	86	78	83	142	134	137	177	162	166
21	225	173	199	83	80	81	153	115	140	173	161	166
22	173	154	166	84	73	79	152	143	147	172	164	166
23	158	144	150	74	68	71	153	135	144	164	159	162
24	154	136	144	76	71	74	153	137	146	206	163	181
25	181	150	167	76	72	74	154	148	151	244	206	233
26	179	156	163	82	73	76	154	142	146	230	200	218
27	164	149	156	85	78	81	156	127	143	200	178	188
28	179	153	169	84	77	81	159	145	152	202	190	195
29	173	166	168	77	62	72	163	137	150	207	199	203
30	196	172	175	73	65	70	137	116	121	207	188	195
31	---	---	---	75	66	72	144	117	130	---	---	---
MONTH PERIOD	225 244	79 62	141 135	209	62	95	169	74	132	244	140	172

01064500 SACO RIVER NEAR CONWAY, NH

LOCATION.--Lat 43°59'27", long 71°05'29", Carroll County, Hydrologic Unit 01060002, on left bank at Odell Falls 1.8 mi downstream from Swift River and Conway.

DRAINAGE AREA.--385 mi².

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

REVISED RECORDS.--WSP 1301: 1908-09. WDR ME-81-1: Drainage area. WDR ME-87-1: 1936 (M), 1951 (M), 1953 (M), 1960 (M), 1977 (M).

GAGE.--Water-stage recorder. Datum of gage is 418.19 ft above National Geodetic Vertical Datum of 1929. Aug. 26, 1903 to June 30, 1912, nonrecording gage at site 0.8 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 26 to Jan. 18, Jan. 23-28, and Feb. 2 to Mar. 19, and periods of no gage-height record, Jan. 24-28, and Feb. 5 to Mar. 18, which are fair. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 22	0830	23,300	11.75	Apr. 24	0715	17,500	10.38
Oct. 28	1830	24,800	12.08	Apr. 27	0815	9,560	8.20
Nov. 12	1615	*30,600	*13.35	May 1	1130	12,600	9.02
Jan. 20	0515	21,000	11.24	July 14	0430	11,900	8.85

Minimum discharge, 109 ft³/s, Oct. 3 and 4, gage height, 2.01 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	1750	e720	e320	1510	e890	896	8430	921	570	880	211
2	115	2240	e690	e312	e1150	e745	1240	5700	865	496	839	206
3	112	3600	e655	e305	e890	e680	1290	4030	817	438	766	216
4	127	2520	e630	e294	e760	e610	1050	3840	954	658	977	213
5	177	1820	e600	e285	e570	e565	1020	4080	1120	1360	907	200
6	695	1490	e580	e280	e595	e520	1000	3390	892	1000	724	190
7	967	1340	e560	e275	e535	e495	1000	2570	771	717	681	183
8	485	2110	e543	e268	e575	e475	947	2370	883	589	586	180
9	353	1560	e525	e275	e580	e450	883	2380	1600	522	542	234
10	294	1230	e510	e279	e545	e435	919	2480	1350	499	521	262
11	259	1140	e496	e278	e508	e433	870	3770	1500	445	473	225
12	231	14800	e481	e275	e475	e440	944	6320	1190	405	436	203
13	212	6130	e465	e272	e435	e455	1050	4020	938	794	416	205
14	199	3300	e450	e280	e408	e490	1140	2710	901	7070	397	298
15	923	4910	e437	e290	e380	e600	1080	2210	816	3040	372	298
16	775	4650	e430	e292	e365	e860	1750	2000	759	4670	358	304
17	468	2940	e422	e288	e345	e820	6350	2010	669	2450	357	455
18	369	2270	e410	e385	e337	e765	3540	1960	599	1620	348	372
19	319	1970	e396	3150	e330	e750	2870	3550	546	1320	324	305
20	288	1710	e387	12800	e333	938	3020	3880	511	2630	302	252
21	1600	1570	e382	3530	e800	965	5140	3570	509	2470	295	224
22	13600	1460	e370	2320	e3000	940	6230	2660	621	1530	297	209
23	3090	1280	e360	e1700	e4600	870	6960	2040	1040	1180	282	201
24	1720	1150	e350	e1280	e3500	790	13300	1700	843	1060	275	192
25	1280	1010	e340	e4000	e2730	773	6040	1430	806	950	263	206
26	1020	e955	e332	e2800	e1730	949	4550	1220	825	1520	248	246
27	854	e895	e331	e2300	e1370	1210	7740	1110	633	2120	265	227
28	11800	e850	e329	e7800	e1230	954	5060	1030	553	1390	269	203
29	7410	e790	e320	3600	e1050	923	3500	971	500	1070	262	301
30	3220	e750	e322	2660	---	878	3050	1110	477	929	238	401
31	2200	---	e328	2040	---	857	---	1000	---	862	222	---
TOTAL	55280	74190	14151	55233	31736	22525	94429	89541	25409	46374	14122	7422
MEAN	1783	2473	456	1782	1094	727	3148	2888	847	1496	456	247
MAX	13600	14800	720	12800	4600	1210	13300	8430	1600	7070	977	455
MIN	112	750	320	268	330	433	870	971	477	405	222	180
CFSM	4.63	6.42	1.19	4.63	2.84	1.89	8.18	7.50	2.20	3.89	1.18	.64
IN.	5.34	7.17	1.37	5.34	3.07	2.18	9.12	8.65	2.46	4.48	1.36	.72

e Estimated

01064500 SACO RIVER NEAR CONWAY, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	634	948	752	574	511	945	2620	2255	814	431	361	382
MAX	2369	2493	2656	1887	3170	5986	4564	4609	2189	2043	1685	1794
(WY)	1978	1908	1974	1986	1981	1936	1987	1940	1952	1973	1990	1954
MIN	114	211	152	144	124	146	871	614	300	158	129	102
(WY)	1948	1909	1956	1940	1940	1940	1995	1941	1964	1991	1936	1948

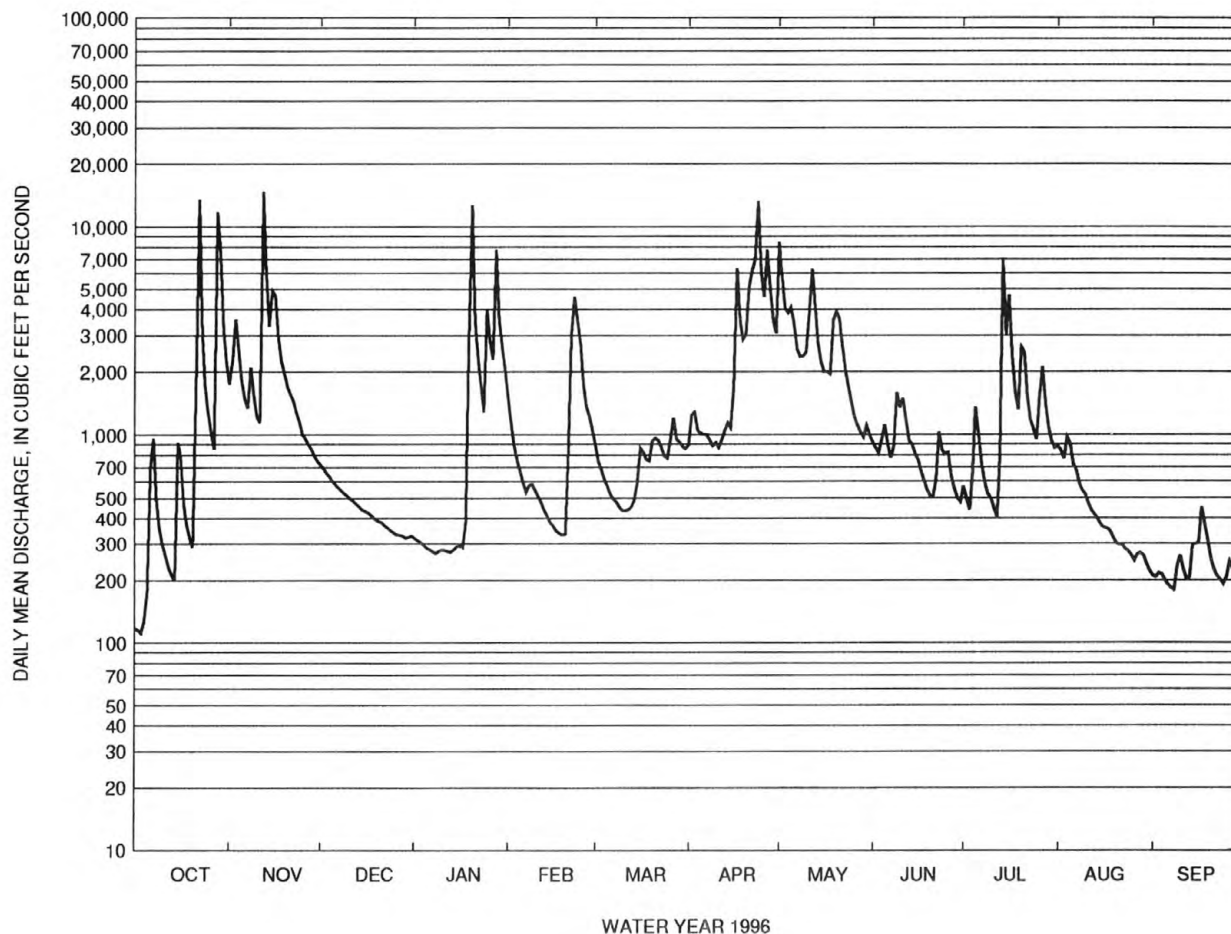
SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1904 - 1996

ANNUAL TOTAL	310912		530412									
ANNUAL MEAN	852		1449							936		
HIGHEST ANNUAL MEAN										1463		1973
LOWEST ANNUAL MEAN										489		1965
HIGHEST DAILY MEAN	14800	Nov 12	14800	Nov 12					33900	Mar 19	1936	
LOWEST DAILY MEAN	94	Sep 7	112	Oct 3					66	Aug 4	1959	
ANNUAL SEVEN-DAY MINIMUM	97	Sep 3	198	Sep 2					74	Aug 3	1959	
INSTANTANEOUS PEAK FLOW			30600	Nov 12					47200	Mar 27	1953	
INSTANTANEOUS PEAK STAGE			13.35	Nov 12					19.03	Mar 7	1979	
INSTANTANEOUS LOW FLOW			109	Oct 3					40	Mar 16	1932	
ANNUAL RUNOFF (CFSM)	2.21		3.76						2.43			
ANNUAL RUNOFF (INCHES)	30.04		51.25						33.04			
10 PERCENT EXCEEDS	1570		3530						2180			
50 PERCENT EXCEEDS	466		792						455			
90 PERCENT EXCEEDS	129		264						182			



01065500 OSSIPEE RIVER AT CORNISH, ME

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

DRAINAGE AREA.--452 mi².

PERIOD OF RECORD.--Discharge: July 1916 to October 1996 (discontinued).
Chemical analyses: Water year 1954.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 9 to Jan. 20, Feb. 4-8, 12-20, and Mar. 8-11, and period of no gage height record, July 24 to Sept. 12, which are fair. Flow partly regulated by mill at Kezar Falls and by Ossipee and Silver Lakes, Pine River, Bickford Pond, and Colcord Ponds, combined capacity 1,600,000,000 ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,200 ft³/s, Mar. 21, 1936, gage height, 16.32 ft present datum, from rating curve extended above 9,000 ft³/s; minimum daily discharge, 65 ft³/s, Sept. 8, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,660 ft³/s, Apr. 17, gage height, 8.15 ft; minimum daily discharge, 148 ft³/s, Oct. 3.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	2280	1120	e545	2270	2250	1330	3000	802	341	e605	e189
2	152	2250	1100	e540	2010	2060	1430	3070	741	379	e435	e199
3	148	2340	1040	e525	1820	1920	1540	3080	728	459	e405	e230
4	151	2240	1010	e520	e1640	1780	1500	3010	620	489	e485	e208
5	154	2070	979	e510	e1520	1630	1460	3080	647	575	e463	e190
6	238	1870	963	e500	e1400	1530	1440	2960	701	907	e453	e192
7	262	1710	934	e490	e1300	1440	1430	2720	782	892	e540	e191
8	221	1800	910	e485	e1210	e1370	1400	2520	900	831	e535	e190
9	200	1730	e890	e480	1140	e1280	1390	2310	913	384	e530	e221
10	202	1590	e870	e475	1080	e1220	1410	2130	912	365	e525	e195
11	174	1480	e845	e470	1050	e1160	1430	2010	902	346	e520	e198
12	186	1780	e825	e460	e1010	1120	1490	2730	886	336	e330	e185
13	180	1980	e800	e455	e963	1090	1520	3430	766	594	e320	181
14	170	1900	e785	e450	e932	1090	1540	3320	450	2430	e204	192
15	204	2420	e770	e440	e896	1130	1660	3200	421	2410	e198	196
16	206	2740	e745	e435	e860	1210	1800	2960	411	2320	e196	194
17	190	2620	e735	e430	e837	1180	4870	2720	407	2190	e200	195
18	206	2490	e715	e420	e814	1160	4870	2530	474	1970	e196	261
19	514	2340	e695	e430	e786	1160	4940	2340	504	1760	e194	251
20	495	2180	e680	e1400	e764	1300	4540	2300	502	1610	e193	248
21	490	2030	e675	1840	772	1440	4100	2250	501	883	e195	241
22	1210	1920	e660	2050	1330	1430	3810	1860	512	773	e211	234
23	1820	1780	e645	2130	1730	1430	3730	1590	586	637	e200	240
24	1720	1650	e630	2140	2060	1370	3900	1520	609	e630	e205	264
25	1560	1520	e620	2520	2540	1340	4130	1350	794	e625	e198	240
26	1390	1420	e610	2620	2620	1410	4010	1050	783	e570	e191	236
27	1230	1330	e595	2670	2550	1480	3740	720	746	e460	e199	220
28	1560	1270	e585	2900	2500	1430	3540	711	718	e445	e192	219
29	2330	1210	e575	2740	2480	1390	3290	799	622	e435	e190	223
30	2660	1160	e565	2630	- - -	1370	3060	891	463	e425	e189	224
31	2520	- - -	e550	2480	- - -	1350	- - -	908	- - -	e590	e190	- - -
TOTAL	22895	57100	24121	37180	42884	43520	80300	69069	19803	28061	9687	6447
MEAN	739	1903	778	1199	1479	1404	2677	2228	660	905	312	215
MAX	2660	2740	1120	2900	2620	2250	4940	3430	913	2430	605	264
MIN	148	1160	550	420	764	1090	1330	711	407	336	189	181

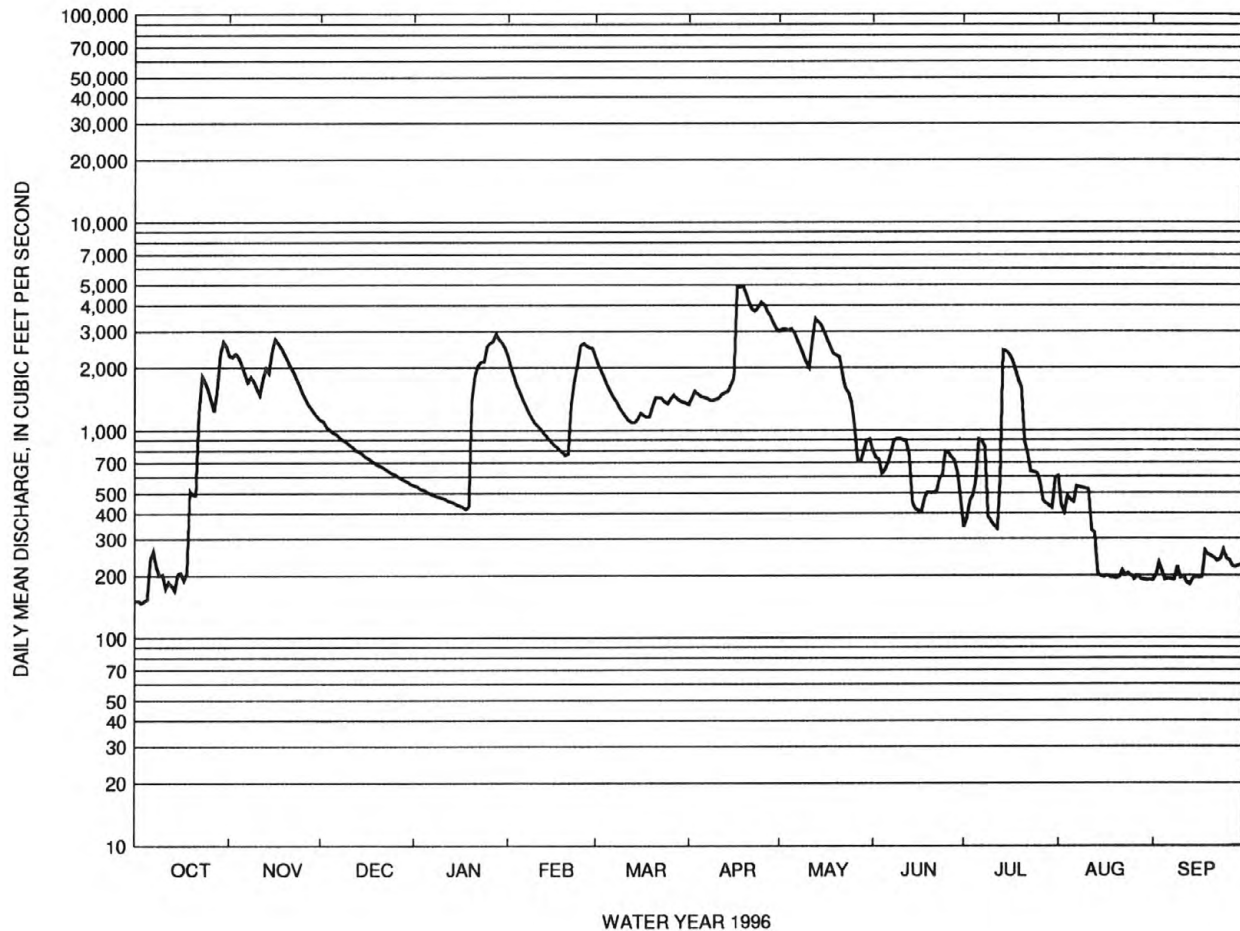
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01065500 OSSIPEE RIVER AT CORNISH, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	475	736	873	733	725	1175	2446	1488	746	441	371	354
MAX	2087	1903	2635	1701	1910	5552	4710	3479	2628	1992	1065	1516
(WY)	1978	1996	1974	1978	1970	1936	1969	1954	1917	1973	1990	1954
MIN	146	201	192	201	221	288	748	436	234	185	166	157
(WY)	1948	1965	1923	1948	1940	1940	1995	1941	1985	1953	1949	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1916 - 1996	
ANNUAL TOTAL	261053		441067			
ANNUAL MEAN	715		1205		879	
HIGHEST ANNUAL MEAN					1426	
LOWEST ANNUAL MEAN					448	
					1984	
HIGHEST DAILY MEAN	2740		Nov 16		16300	
LOWEST DAILY MEAN	148		Oct 3		65	
ANNUAL SEVEN-DAY MINIMUM	150		Sep 10		91	
					Jul 2 1921	
INSTANTANEOUS PEAK FLOW			5660		Apr 17	
INSTANTANEOUS PEAK STAGE			8.15		Apr 17	
					17200	
					16.32	
					Mar 21 1936	
					Mar 21 1936	
10 PERCENT EXCEEDS	1710		2570		1940	
50 PERCENT EXCEEDS	542		894		564	
90 PERCENT EXCEEDS	165		199		228	



01066000 SACO RIVER AT CORNISH, ME

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

DRAINAGE AREA.--1,293 mi².

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

Chemical analyses: Water years 1954, 1975-95

Specific conductance: July 1975 to September 1981.

Water temperature: July 1975 to September 1981.

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

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

REMARKS.--Records good, except for periods of ice effect, Dec. 8 to Jan. 29, Feb. 4-21, and Mar. 12-18, which are fair. Flow partly regulated by powerplants above station; by Ossipee, Silver, Conway, and Kezar Lakes; by Moose, Hancock, Pine River, Bickford and Colcord Ponds; combined capacity, 3,400,000,000 ft³. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,400 ft³/s, Apr. 26, gage height, 10.51 ft; maximum gage height, 11.47 ft, Jan. 28 (backwater from ice); minimum daily discharge, 356 ft³/s, Oct. 3.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	9100	3640	e1480	9530	7790	3780	11200	3130	1580	3190	537
2	383	8720	3380	e1450	9090	7130	4030	10700	2930	1570	2850	642
3	356	8250	3160	e1440	7950	6360	4170	10800	2740	1610	2710	721
4	361	7660	3060	e1300	e6800	5710	4140	11100	2540	1580	2680	719
5	374	7240	2940	e1280	e5900	5320	4150	10900	2580	1740	2560	592
6	512	6760	2800	e1220	e5100	4860	4140	10100	2710	2420	2490	514
7	602	6250	2740	e1210	e4600	4490	4150	9490	2800	2520	2410	633
8	1120	6140	e2450	e1200	e4050	4040	4130	8830	2740	2470	2550	492
9	1070	5730	e2220	e1180	e3750	3910	4070	8120	2650	1910	2180	576
10	786	5390	e2090	e1140	e3450	3900	4030	7450	2690	1800	2050	575
11	606	5120	e2000	e1100	e3250	3710	3960	7190	2860	1670	1940	623
12	685	5570	e1890	e1060	e3150	e3400	4020	9190	2980	1630	1830	599
13	674	5970	e1640	e1050	e3000	e3050	4050	9140	2920	1890	1560	622
14	671	7750	e1480	e1020	e2800	e2950	4150	9220	2640	4810	1260	726
15	620	10200	e1520	e970	e2600	e3010	4310	9130	2490	5770	1080	728
16	657	10800	e1620	e950	e2450	e2990	5490	8640	2430	5810	1260	624
17	1160	10700	e1730	e930	e2350	e2810	11100	8100	2220	5990	1060	744
18	855	10400	e1800	e950	e2250	e3100	10900	7420	2100	6220	1030	818
19	1200	9840	e1820	e1310	e2200	3470	11400	6960	1970	6210	900	945
20	1190	8900	e1830	e2500	e2200	3610	11300	6730	1870	5980	1030	850
21	1180	8040	e1840	e4100	e2300	3870	11000	6560	1790	4990	921	829
22	2550	7260	e1830	e4700	3240	3880	10800	6260	1790	4820	861	814
23	4660	6530	e1820	e5000	4240	3890	11000	6290	1870	4610	767	780
24	5080	5890	e1760	e5280	4990	3830	12100	5990	1970	4360	829	711
25	5150	5410	e1740	e5900	6020	3800	13600	5440	2280	4070	808	721
26	5050	4950	e1770	e7000	6710	3900	15200	4640	2310	3690	829	689
27	4700	4640	e1600	e7500	7420	4030	14600	4150	2330	3490	785	624
28	5290	4330	e1610	e9800	7830	3980	13600	3870	2230	3470	779	719
29	6230	4060	e1620	e10500	8060	4010	12900	3770	2030	3490	746	636
30	7830	3840	e1380	11200	---	3930	12000	3650	1800	3400	730	664
31	9090	---	e1550	9700	---	3870	---	3280	---	3390	632	---
TOTAL	71094	211440	64330	105420	137280	128600	238270	234310	72390	108960	47307	20467
MEAN	2293	7048	2075	3401	4734	4148	7942	7558	2413	3515	1526	682
MAX	9090	10800	3640	11200	9530	7790	15200	11200	3130	6220	3190	945
MIN	356	3840	1380	930	2200	2810	3780	3280	1790	1570	632	492

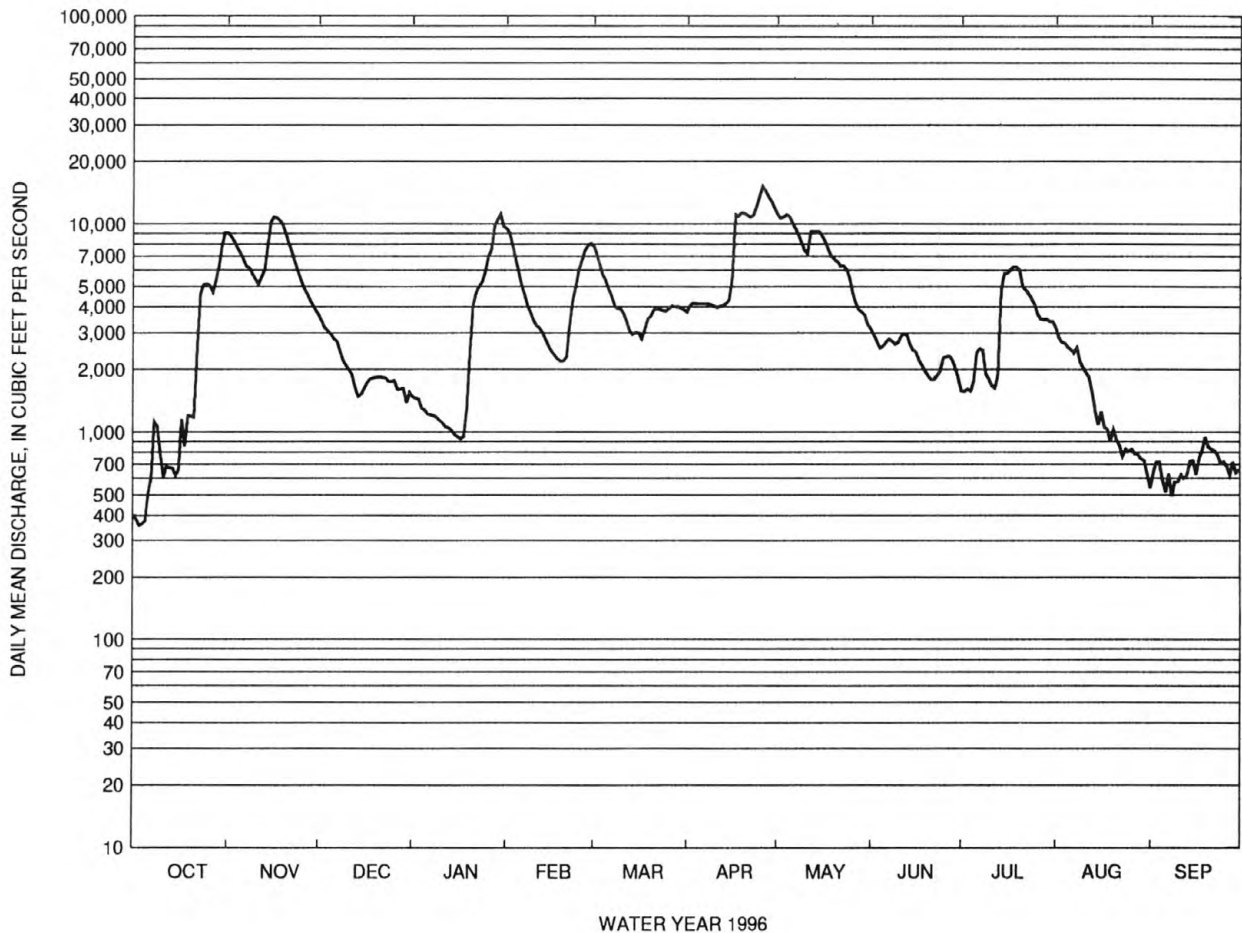
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01066000 SACO RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1487	2398	2537	1988	1950	3175	7314	5550	2531	1407	1069	1034
MAX	6887	7048	8630	5791	6257	16220	12740	11720	8741	6802	3425	5073
(WY)	1978	1996	1974	1978	1986	1936	1969	1937	1917	1973	1990	1954
MIN	406	608	560	528	615	805	2751	1707	859	486	424	342
(WY)	1948	1979	1948	1948	1918	1940	1995	1941	1964	1991	1949	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1916 - 1996	
ANNUAL TOTAL	843899		1439868			
ANNUAL MEAN	2312		3934		2699	
HIGHEST ANNUAL MEAN					4076	
LOWEST ANNUAL MEAN					1372	
HIGHEST DAILY MEAN	10800		15200		45600	
LOWEST DAILY MEAN	284		356		244	
ANNUAL SEVEN-DAY MINIMUM	311		427		301	
INSTANTANEOUS PEAK FLOW			15400		46600	
INSTANTANEOUS PEAK STAGE			11.47		21.90	
10 PERCENT EXCEEDS	5290		9090		6170	
50 PERCENT EXCEEDS	1780		3000		1670	
90 PERCENT EXCEEDS	415		727		670	



01072100 SALMON FALLS RIVER AT MILTON, NH

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

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for estimated records and for Mar. 15-20, Apr. 17-19, and July 14-16, 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 ft³.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,240 ft³/s, Apr. 17, gage height, 5.78 ft; minimum daily discharge, 25 ft³/s, Oct. 1, 5-7.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	372	286	149	465	363	250	533	122	57	88	32
2	26	371	280	149	378	342	291	563	120	57	86	30
3	26	482	271	148	338	326	365	484	98	57	85	27
4	26	517	266	147	310	319	368	443	95	58	83	29
5	25	e467	271	147	292	226	335	476	106	59	83	30
6	25	e461	275	147	268	140	307	471	113	62	68	30
7	25	e444	268	146	244	151	295	421	112	65	59	29
8	26	431	256	136	239	164	293	305	118	72	59	29
9	31	437	246	129	237	172	282	250	118	80	58	28
10	38	399	240	130	235	177	312	256	115	82	58	32
11	119	366	233	130	231	180	314	289	112	81	57	35
12	171	397	229	130	230	181	343	655	106	130	55	35
13	168	519	188	130	228	184	389	837	89	198	54	35
14	166	e679	146	129	226	192	442	693	80	740	54	33
15	171	e937	147	129	193	248	484	483	78	836	42	33
16	172	e972	148	128	164	307	640	399	72	544	34	33
17	198	e887	150	128	162	325	1880	447	54	399	34	33
18	214	e726	150	124	161	372	1690	452	43	348	33	32
19	212	612	151	119	161	382	1060	491	49	297	33	30
20	211	521	153	134	161	316	823	542	59	272	33	31
21	210	471	153	e220	161	287	692	508	59	262	33	31
22	255	443	155	e340	252	339	609	369	61	147	33	31
23	375	414	156	e410	351	349	596	303	72	60	33	31
24	385	388	157	367	440	331	622	238	70	65	33	31
25	342	354	155	e421	535	310	581	188	100	68	33	31
26	307	332	155	e510	529	306	471	176	132	73	33	31
27	283	315	153	e640	461	325	436	163	130	83	33	31
28	320	303	152	e840	405	323	411	119	99	92	33	31
29	479	300	151	e980	388	279	451	97	56	96	32	31
30	476	291	150	e800	---	247	497	110	56	94	32	31
31	438	---	150	595	---	250	---	119	---	90	32	---
TOTAL	5945	14608	6041	8832	8445	8413	16529	11880	2694	5624	1516	936
MEAN	192	487	195	285	291	271	551	383	89.8	181	48.9	31.2
MAX	479	972	286	980	535	382	1880	837	132	836	88	35
MIN	25	291	146	119	161	140	250	97	43	57	32	27

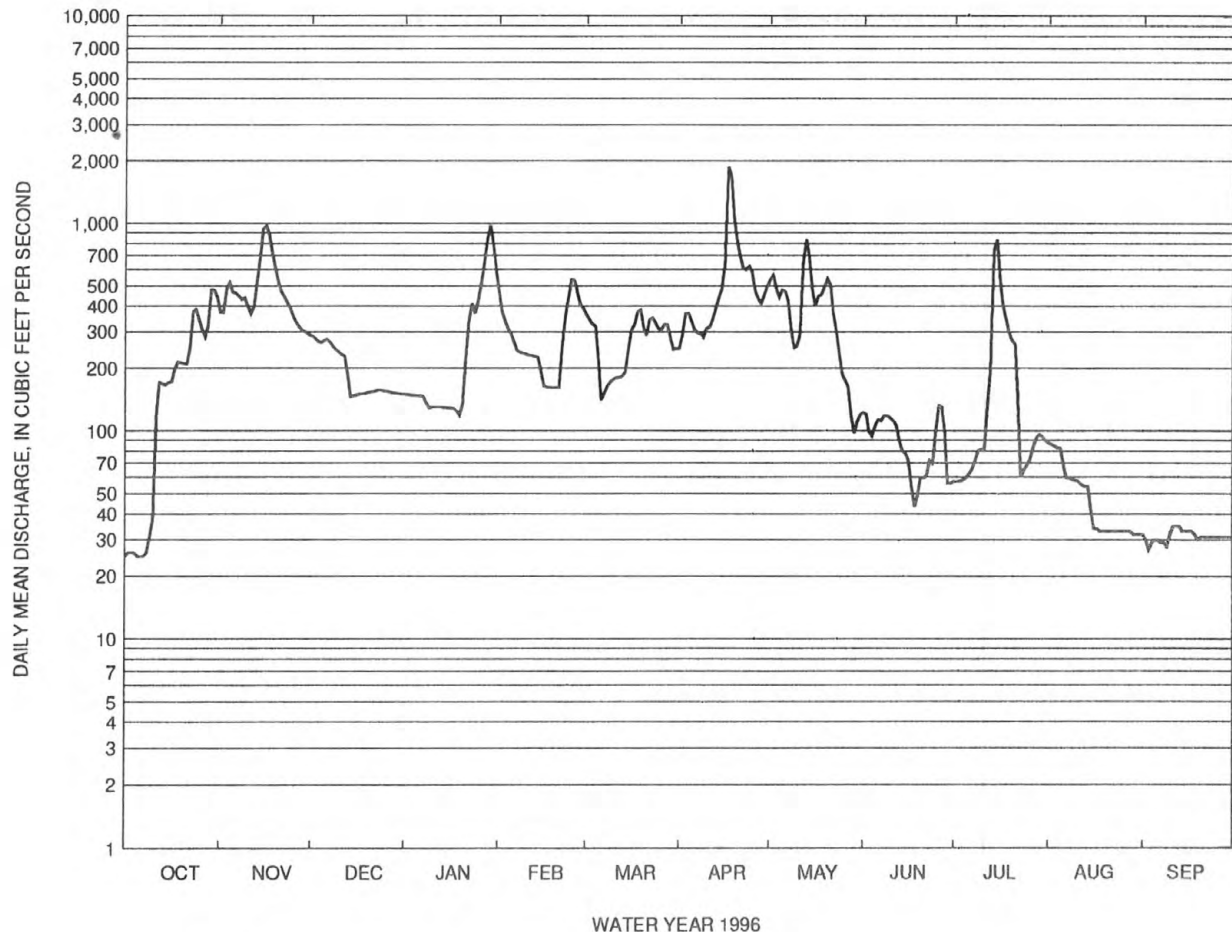
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01072100 SALMON FALLS RIVER AT MILTON, NH—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	169	196	224	181	193	307	437	229	122	65.3	62.6	78.7
MAX	499	487	604	384	439	720	908	431	453	181	165	145
(WY)	1978	1996	1984	1978	1970	1979	1969	1984	1984	1996	1982	1981
MIN	81.4	77.9	40.5	59.7	60.8	108	103	55.4	40.4	26.1	24.9	22.3
(WY)	1969	1987	1979	1977	1977	1993	1985	1985	1985	1991	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1969 - 1996	
ANNUAL TOTAL	61073		91463			
ANNUAL MEAN	167		250		188	
HIGHEST ANNUAL MEAN					307	
LOWEST ANNUAL MEAN					98.6	
					1984	
HIGHEST DAILY MEAN	972	Nov 16	1880	Apr 17	3220	Mar 15 1977
LOWEST DAILY MEAN	18	Sep 16	25	Oct 1	18	Sep 16 1995
ANNUAL SEVEN-DAY MINIMUM	21	Sep 12	25	Oct 1	20	Sep 24 1993
INSTANTANEOUS PEAK FLOW			2240	Apr 17	4000	Apr 6 1984
INSTANTANEOUS PEAK STAGE			5.78	Apr 17	6.70	Apr 6 1984
10 PERCENT EXCEEDS	392		509		399	
50 PERCENT EXCEEDS	128		176		134	
90 PERCENT EXCEEDS	27		33		38	



Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ST. JOHN RIVER BASIN						
Meduxnekeag River 01018000	St. John River	Lat 46°06'17", long 67°52'00", Aroostook County, 0.3 mi downstream from mouth of South Branch Meduxnekeag River.	175	Many	10-17-95 08-21-96	62.6 49.0
KENNEBEC RIVER BASIN						
Wilson Stream 01047730	Kennebec River	Lat 44°36'55", long 70°11'42", Franklin County, 0.1mi upstream from railroad bridge in East Wilton, and 1.5 mi downstream from Varnum Street in East Wilton, Maine.	45.8	Many	08-12-96	18.4
East Branch Wesserunsett Stream	Kennebec River	Lat 44°56'51", long 69°39'26", Somerset County, at upstream end of culvert in Route 150, 2.5 mi upstream from mouth.	19.3	1995	10-12-95 10-26-95	3.38 23.9
Togus Stream 01049550	Kennebec River	Lat. 44° 15'57", long 69°41'55", Kennebec County, on right bank 100 ft downstream from mouth of Chase Meadow Stream and 600 ft downstream from Route 226, 1.5 mi northeast of Chelsea, Maine.	23.7	Many	07-19-96 09-11-96	59.9 5.16
ANDROSCOGGIN RIVER BASIN						
Androscoggin River	Kennebec River	Lat 44°23'23", long 71°09'53", Coos County, New Hampshire, on downstream side of Gorham Dam, 0.3 mi upstream from Peabody River, in Gorham, N.H.	about 1420	--	10-10-95	131 184 311
ROYAL RIVER BASIN						
Collyer Brook 01059800	Royal River	Lat 43°55'03", long 70°19'02", 50' downstream of Rte 202, 2.4 mi northeast of Gray, Maine.	13.8	Many	10-16-95 10-27-95 01-12-96 02-26-96 07-11-96 07-17-96 07-25-96 07-29-96 08-15-96 08-21-96	13.4 15.6 12.7 44.2 16.7 24.7 23.1 21.1 18.3 17.6
PRESUMPCOT RIVER BASIN						
Unnamed Tributary	Crooked River	Lat 44°19'30", Long 70°46'14", upstream end of culvert in Rte 35, at intersection with Rte 5, at Town House in Albany Twp, Maine.	1.03	--	08-29-95	.00
Barkers Brook	Crooked River	Lat 44°17'58", Long 70°46'37", upstream end of culvert in Rte 35/Rte 5, 4.1 miles north of Lynchville in Albany Twp, Maine.	2.06	--	08-29-95	.00
Unnamed Tributary	Crooked River	Lat 44°17'14", Long 70°46'33", at culvert in dirt road off Rte 35/Rte 5, 3.3 miles north of Lynchville in Albany Twp, Maine.	.48	--	08-29-95	.00
Flints Brook	Crooked River	Lat 44°16'25", Long 70°46'53", at culvert in Rte 35/Rte 5, 2.3 miles north of Lynchville in Albany Twp, Maine.	.36	--	08-29-95	.00

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Unnamed Tributary	Crooked River	Lat 44°15'53", Long 70°47'18", at culvert in Rte 35/Rte 5, 1.5 miles north of Lynchville in Albany Twp, Maine.	0.51	--	08-29-95	0.00
Unnamed Tributary	Crooked River	Lat 44°14'45", Long 70°47'09", at culvert in Rte 35/Rte 5, 0.1 miles north of Lynchville in Albany Twp, Maine.	.39	--	08-29-95	.00
Unnamed Tributary	Crooked River	Lat 44°14'09", Long 70°46'19", at culvert in Sawn Hill Rd., at North Waterford, Maine.	.22	--	08-29-95	.00
Unnamed Tributary	Crooked River	Lat 44°13'49", Long 70°45'52", at culverts in Rte 118, 0.4 miles east of Rte 35 in Waterford, Maine.	.67	--	08-29-95	.00
Unnamed Tributary	Crooked River	Lat 44°14'44", Long 70°44'14", at culvert in Bisbee Town Rd., 1.9 miles east of Rte 118 in Waterford, Maine.	1.43	--	08-29-95	.00
Unnamed Tributary	Crooked River	Lat 44°14'47", Long 70°43'57", at culvert in Bisbee Town Rd., 2.2 miles east of Rte 118 in Waterford, Maine.	.15	--	08-29-95	.00
Sampson Brook	Crooked River	Lat 44°13'48", Long 70°43'26", at culvert in Rte 118, 2.5 miles east of Rte 35 in Waterford, Maine.	1.28	--	08-29-95	.00
Swett Brook	Crooked River	Lat 44°14'36", Long 70°43'22", at culvert in Bisbee Town Rd., 2.8 miles east of Rte 118 in Waterford, Maine.	6.34	--	08-29-95	.00
Hemlock Brook	Crooked River	Lat 44°13'40", Long 70°42'15", at culvert in Rte 118, 0.1 miles east of Hunts Corner Rd. in Waterford, Maine.	.53	--	08-29-95	.00
Reed Brook	Crooked River	Lat 44°13'07", Long 70°39'03", at culvert in Rte 118, 0.1 miles west of Shedd Rd. in Norway, Maine.	1.38	--	08-30-95	.00
Unnamed Tributary	Crooked River	Lat 44°10'40", Long 70°37'44", brook from Island Pond at culvert in dirt road off Baker Hill Rd., 2.1 miles east of Temple Hill Rd. in Water- ford, Maine	3.42	--	08-30-95	.00
Unnamed Tributary	Crooked River	Lat 44°09'19", Long 70°35'51", brook from Lit- tle Pond at culvert in Rte 117, 0.4 miles east of Twin Bridges in Otisfield, Maine.	1.49	--	08-30-95	.00
Unnamed Tributary	Crooked River	Lat 44°02'29", Long 70°36'34", at culvert in Edes Falls Rd., at intersection with Fogg Rd. in Harrison, Maine.	.75	--	08-30-95	.00
Songo River	Sebago Lake	Lat 43°55'55", Long 70°34'43", at bridge on Songo Lock Road, upstream of lock, 1.9 miles west of Rte 302, in Naples, Maine.	119	--	04-30-96 06-28-96	666 150
Whitney Brook	Sebago Lake	Lat 43°54'57", long 70°35'25", 50 ft down- stream of access road, 1.7 miles south of Songo Locks near Naples, Maine.	.40	1995	04-30-96 06-17-96	1.32 .28
Muddy River	Sebago Cove	Lat 43°56'59", long 70°37'44", 20 ft upstream of Kimball Corner Road, 2 miles south of Rte 302, near Naples, Maine.	16.1	1975-77, 95	03-22-96 06-24-96	49.8 8.02

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Unnamed Tributary	Sebago Cove	Lat 43°57'05", long 70°37'19", downstream end of culvert in Gore Road, 1.8 miles north of Rte 114/Rte 11, in Naples, Maine.	1.48	1995	04-18-96 06-17-96	14.4 1.94
Leavitt Brook	Sebago Cove	Lat 43°56'41", long 70°38'20", downstream end of culvert in Kimball Corner Road, 2.7 miles from Rte 302, near Naples, Maine.	.94	1995	03-22-96 06-17-96	3.87 .24
Unnamed Tributary	Sebago Cove	Lat 43°55'49", long 70°36'54", downstream end of culvert in Gore Road, 0.3 miles north of Rte 114/Rte 11, in Naples, Maine.	.010	1995	04-30-96 06-17-96	^a .043 ^a .004
Unnamed Tributary	Sebago Cove	Lat 43°57'03", long 70°37'34", downstream end of culvert in Kimball Corner Road, 1.9 miles south of Rte 302, near Naples, Maine.	.65	1995	04-30-96 06-17-96	1.53 .24
Unnamed Tributary	Sebago Cove	Lat 43°55'34", long 70°37'18", downstream end of culvert in Burrell Road, 0.1 miles west of Rte 114/Rte 11, in Naples, Maine.	1.27	1995	04-30-96 06-20-96	3.77 ^a .305
Unnamed Tributary	Sebago Lake	Lat 43°55'01", long 70°36'48", downstream end of culvert in Anderson Road, 2.2 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.022	1995	04-29-96 06-20-96	.02 .00
Unnamed Tributary	Sebago Lake	Lat 43°55'00", long 70°37'08", 100 ft down- stream of Anderson Road, 2.2 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.004	1995	04-29-96 06-20-96	.01 <.01
Unnamed Tributary	Sebago Lake	Lat 43°54'56", long 70°36'36", downstream end of culvert in Anderson Road, 2.0 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.008	1995	04-29-96 06-20-96	.01 <.01
Unnamed Tributary	Sebago Lake	Lat 43°54'40", long 70°35'38", downstream end of culvert in Anderson Road, 1.8 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.027	1995	04-29-96 06-20-96	^a .095 ^a .010
Unnamed Tributary	Sebago Lake	Lat 43°54'27", long 70°36'37", downstream of culvert in Anderson Road, 1.5 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.049	1995	04-29-96 06-20-96	.25 .01
Unnamed Tributary	Sebago Lake	Lat 43°54'07", long 70°36'46", 20 ft upstream of Anderson Road, 0.8 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.11	1995	04-29-96 06-20-96	.20 .03
Unnamed Tributary	Sebago Lake	Lat 43°54'01", long 70°37'10", downstream end of culvert in Anderson Road, 0.4 miles east of Rte 114/Rte 11, in Sebago, Maine.	.21	1995	04-29-96 06-20-96	.47 .02
Dingley Brook	Sebago Lake	Lat 43°54'30", long 70°30'51", downstream end of culvert in Raymond Neck Rd., 0.4 miles south of Rte 302, near South Casco, Maine.	5.18	1975-77, 95	04-22-96 06-24-96	32.7 .12
Unnamed Tributary	Sebago Lake	Lat 43°54'37", long 70°31'46", downstream end of culvert in Fire Road #4, 0.6 miles south of Rte 302, near South Casco, Maine.	.045	1995	05-01-96 05-29-96	.21 .04
Unnamed Tributary	Sebago Lake	Lat 43°54'40", long 70°31'59", downstream end of culvert in Fire Road #4, 0.8 miles south of Rte 302, near South Casco, Maine.	.29	1995	05-01-96 05-29-96	.78 .29
Unnamed Tributary	Sebago Lake	Lat 43°54'38", long 70°31'31", downstream of culvert in Fire Road #3, 0.3 miles south of Rte 302, near South Casco, Maine.	.088	1995	05-01-96 05-29-96	.13 .06

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Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Unnamed Tributary	Sebago Lake	Lat 43°53'34", long 70°30'50", 60 ft west of Casselton Road, 1.5 miles south of Rte 302, near Raymond, Maine.	0.20	1995	04-22-96 05-29-96	0.38 .22
Unnamed Tributary	Sebago Lake	Lat 43°52'28", long 70°31'22", 10 ft upstream of culvert in Shaw Road, 3.1 miles south of Rte 302, near Raymond, Maine.	.21	1995	04-22-96 05-28-96	.77 .19
Dingley Brook	Sebago Lake	Lat 43°55'49", long 70°32'35", downstream end of culvert in Rigg Road, 0.2 miles south of Rte 302, near South Casco, Maine.	1.20	1995	05-01-96 05-29-96	6.00 1.52
Unnamed Tributary	Sebago Lake	Lat 43°55'29", long 70°32'54", upstream end of culvert in Shore Road, 0.8 miles south of Rte 302, near South Casco, Maine.	.26	1995	05-01-96 05-29-96	.90 .20
Batchelder Brook	Sebago Lake	Lat 43°53'29", long 70°37'49", 100 ft upstream of Rte 114/Rte 11, 2.7 miles north of junction with Rte 11, in Sebago, Maine.	2.36	1975-77, 95	04-18-96 06-20-96	24.0 .68
Unnamed Tributary	Sebago Lake	Lat 43°53'11", long 70°37'56", 30 ft downstream of Rte 114/Rte 11, 2.3 miles north of junction with Rte 11, near Sebago, Maine.	.18	1995	04-29-96 06-20-96	.49 .08
Nason Brook	Sebago Lake	Lat 43°53'03", long 70°38'00", 25 ft upstream of Rte 114/Rte 11, 2.1 miles north of junction with Rte 11, in Sebago, Maine.	1.38	1995	04-18-96 06-20-96	14.3 .45
Unnamed Tributary	Sebago Lake	Lat 43°52'23", long 70°38'08", 60 ft upstream of Rte 114/Rte 11, 1.3 miles north of junction with Rte 11, near Sebago, Maine.	.14	1995	04-29-96 06-20-96	.41 .02
Unnamed Tributary	Sebago Lake	Lat 43°52'14", long 70°38'11", 100 ft downstream of Rte 114/Rte 11, 1.1 miles north of junction with Rte 11, near East Sebago, Maine.	.13	1995	04-29-96 06-20-96	.54 <.01
Northwest River	Sebago Lake	Lat 43°51'41", long 70°38'32", downstream end of box culvert in Old Rte 114, 0.5 miles north of Rte 11, in East Sebago, Maine.	22.3	1975-77, 95	02-26-96 06-19-96	161 13.4
Stony Brook	Northwest River	Lat 43°50'45", long 70°39'02", upstream end of culvert in Rte 11, 0.8 miles southwest of East Sebago near Baldwin, Maine.	1.02	1995	09-25-95 09-27-95 10-16-95 10-27-95 10-31-95 02-26-96 04-29-96 06-20-96 07-11-96 07-17-96 07-24-96 07-25-96 07-29-96 08-15-96 08-21-96	b<.01 b.04 .12 .13 .67 2.94 .95 .03 .08 .97 .15 .10 .07 <.01 <.01
Unnamed Tributary	Northwest River	Lat 43°51'26", long 70°38'35", upstream end of culvert in Rte 114/Rte 11, 0.2 miles north of junction with Rte 11, near East Sebago, Maine.	.20	1995	04-29-96 06-19-96	.33 .00

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN—Continued						
Unnamed Tributary	Sebago Lake	Lat 43°51'04", long 70°38'01", downstream of Rte 114, 0.5 miles south of Rte 11, near East Sebago, Maine.	0.23	1995	04-19-96 06-19-96	0.96 .04
Unnamed Tributary	Sebago Lake	Lat 43°50'51", long 70°37'48", at culvert in Rte 114, 0.7 miles south of Rte 11, near East Sebago, Maine.	.019	1995	04-19-96 06-19-96	.10 <.01
Unnamed Tributary	Sebago Lake	Lat 43°50'44", long 70°37'41", upstream end of culvert in Rte 114, 0.9 miles south of Rte 11, near East Sebago, Maine.	.34	1995	04-19-96 06-19-96	1.42 <.01
Unnamed Tributary	Sebago Lake	Lat 43°50'26", long 70°37'13", below down- stream end of culvert in Rte 114 at Sebago- Standish town line, 7.6 miles from Sebago Lake Village in Standish, Maine.	.76	1995	04-29-96 06-19-96	2.15 .16
Unnamed Tributary	Sebago Lake	Lat 43°50'23", long 70°37'07", at culvert in Rte 114 near long Beach, 7.5 miles northwest of Sebago Lake Village in Standish, Maine.	.071	1995	04-19-96 06-19-96	.41 .00
Unnamed Tributary	Sebago Lake	Lat 43°50'20", long 70°36'59", downstream end of culvert in Rte 114, 7.4 miles northwest of Sebago Lake Village in Standish, Maine.	.020	1995	04-19-96 06-19-96	.04 <.01
Unnamed Tributary	Sebago Lake	Lat 43°50'16", long 70°36'52", downstream of culvert in Rte 114, 7.3 miles northwest of Sebago Lake Village in Standish, Maine.	.011	1995	04-15-96 06-19-96	.10 <.01
Unnamed Tributary	Sebago Lake	Lat 43°50'12", long 70°36'44", downstream end of culvert in Rte 114, 7.2 miles northwest of Sebago Lake Village in Standish, Maine.	.062	1995	04-15-96 06-19-96	.07 .00
Unnamed Tributary	Sebago Lake	Lat 43°49'50", long 70°36'23", upstream of cul- vert in Rte 114, 6.6 miles northwest of Sebago Lake Village in Standish, Maine.	.034	1995	04-15-96 06-19-96	.27 .00
Unnamed Tributary	Sebago Lake	Lat 43°49'45", long 70°36'14", downstream side of Rte 114, 6.5 miles northwest of Sebago Lake Village in Standish, Maine.	.23	1995	04-15-96 06-19-96	.56 .02
Unnamed Tributary	Sebago Lake	Lat 43°49'44", long 70°36'08", 75 ft upstream of Old Rte 114, 6.3 miles northwest of Sebago Lake Village in Standish, Maine.	.27	1995	04-15-96 06-19-96	.84 .46
Unnamed Tributary	Sebago Lake	Lat 43°49'40", long 70°35'54", 20 ft upstream of Rte 114, 6.1 miles northwest of Sebago Lake Village in Standish, Maine.	.013	1995	04-15-96 06-19-96	.03 <.01
Sucker Brook	Sebago Lake	Lat 43°49'16", long 70°35'27", downstream end of culvert in Rte 114, 5.6 miles northwest of Sebago Lake Village near Standish, Maine.	.84	1995	04-12-96 06-19-96	3.30 .32
Unnamed Tributary	Sebago Lake	Lat 43°49'53", long 70°36'28", upstream of cul- vert in Rte 114, 6.7 miles north of Sebago Lake Village, near Standish, Maine.	.12	1995	04-15-96 06-19-96	.25 .03
Rich Mill Pond Outlet	Sebago Lake	Lat 43°47'01", long 70°33'53", 150 ft down- stream of Rte 114, 2.5 miles northwest of Sebago Lake Village in Standish, Maine.	4.81	1975-77, 95	03-21-96 06-18-96	21.5 5.74

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Unnamed Tributary	Sebago Lake	Lat 43°46'39", Long 70°33'26", downstream end of culvert in Rte 114, 2.0 miles northwest of Sebago Lake Village in Standish, Maine.	0.16	--	08-10-95 04-12-96 06-18-96	<0.01 .67 <.01
Unnamed Tributary	Sebago Lake	Lat 43°46'45", long 70°33'07", downstream end of culvert in Rte 114, 1.7 miles northwest of Sebago Lake Village in Standish, Maine.	.13	1995	04-12-96 06-19-96	.73 .05
Sticky River	Sebago Lake	Lat 43°45'52", long 70°33'05", 175 ft down- stream of Moody Rd., 2.3 miles from Sebago Lake Village in Standish, Maine.	1.44	1995	04-11-96 06-18-96	2.36 .30
Unnamed Tributary	Sticky River	Lat 43°46'11", Long 70°32'45", 150 ft upstream of Sticky River, 1.2 miles northwest of Sebago Lake Village in Standish, Maine.	.22	--	04-12-96 06-18-96 07-25-96	.76 .01 .03
Unnamed Tributary	Sticky River	Lat 43°46'18", long 70°32'40", 50 ft upstream of Sticky River, 1.2 miles northwest of Sebago Lake Village in Standish, Maine.	.14	1995	04-11-96 06-18-96	.50 .03
Standish Brook	Sebago Lake	Lat 43°45'41", long 70°31'38", downstream end of culvert in Rte 114, 0.1 miles west of Sebago Lake Village in Standish, Maine.	.50	1975-76, 95	04-11-96 06-18-96	1.28 .03
Unnamed Tributary	Sebago Lake	Lat 43°47'26", Long 70°30'02", 600 ft down- stream of Pond Road, 1 mile north of Rte 35, in Standish, Maine.	.37	--	05-02-96 06-18-96 07-25-96	.80 .03 .11
Unnamed Tributary	Sebago Lake	Lat 43°45'08", long 70°31'30", downstream of culvert in Pond Road, 0.1 miles north of Rte 35, near Sebago Lake Village in Standish, Maine.	.066	1995	04-11-96 06-18-96	.32 <.01
Panther Run	Sebago Lake	Lat 43°54'05", long 70°27'55", 120 ft down- stream of Mill Street dam, 0.2 miles east of Rte 121, near Raymond Village, Maine.	29.9	1978, 95	03-22-96 06-24-96	95.9 11.4
Unnamed Tributary	Sebago Lake	Lat 43°53'59", long 70°28'55", downstream end of culvert in Deep Cove Shore Road, 0.2 miles south of Rte 302, near Raymond, Maine.	.62	1995	04-22-96 05-28-96	3.04 .93
Hyde Brook	Sebago Lake	Lat 43°52'32", long 70°27'55", 75 ft down- stream of box culvert in Rte 302, 3.4 miles north- west of Rte 115, in North Windham, Maine.	1.34	1995	03-21-96 05-28-96	5.64 2.29
Outlet Brook	Sebago Lake	Lat 43°50'41", long 70°27'21", 25 ft down- stream of Sokokis Point Rd., 0.1 miles south of Whites Bridge Rd., in North Windham, Maine.	1.20	1995	05-02-96 05-28-96 08-20-96	.59 .44 .03
Unnamed Tributary	Presumpscot River	Lat 43°49'40", long 70°26'40", 100 ft upstream of culvert in Northwood Road, 0.5 miles south of Rte 35, near North Windham, Maine.	.084	1995	09-27-95 10-17-95 07-11-96 07-25-96 07-29-96 08-15-96 08-21-96	^b .01 .10 .03 .06 .03 <.01 .02
Otter Brook	Presumpscot River	Lat 43°47'46", Long 70°26'26", downstream of River Road, 0.2 miles south of intersection with Windham Center Road, near North Windham, Maine.	1.03	--	05-02-96	3.08

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Pleasant River	Presumpscot River	Lat 43°48'21", long 70°24'40", 200 ft down- stream of culvert in Rte 302, 2.5 miles southeast of North Windham, Maine.	45.8	1995	03-21-96	291
Ditch Brook	Pleasant River	Lat 43°50'16", long 70°25'24", 100 ft below Mill Pond dam, on Rte 115, 0.8 miles east of Rte 302, near North Windham, Maine.	19.1	1995	03-22-96 05-16-96	62.3 56.6
Ditch Brook	Pleasant River	Lat 43°49'37", long 70°25'35", 30 ft down- stream of Collins Pond dam, near North Windham, Maine.	19.4	1995	08-20-96	8.77
Ditch Brook	Pleasant River	Lat 43°48'23", long 70°24'39", 150 ft upstream of culvert in Rte 302, 2.5 miles southeast of North Windham, Maine.	20.5	1995	03-22-96 05-16-96	68.6 71.7
MOUSAM RIVER BASIN						
Mousam River	Atlantic Ocean	Lat 43°25'06", long 70°44'19", York County, at Rte. 4 bridge, 4.2 mi upstream from Estes Lake, in Sanford, Maine.	44.0	--	09-25-96	27.4

^a Volumetric measurement^b Discharge revised from WDR ME-95-1

AROOSTOOK COUNTY

471457068353001 Local number, ARW 890

LOCATION.--Lat 47°14'57", long 68°35'30", Hydrologic Unit 01010003, 0.25 mi southeast of the intersection of State Highways 11 and 161 and U.S. Highway 1, Fort Kent. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., Nov. 1976 constructed depth 50 ft, open end, Nov. 1982 measured depth 48 ft.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 530 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of recorder shelter at land-surface datum, which is 3.0 ft above the general land surface.

REMARKS.--Records lost Aug. 23 to Sept. 30.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.52 ft below land-surface datum, May 2, 1984; lowest recorded, 15.28 ft below land-surface datum, Jan. 22 and 23, 1979.

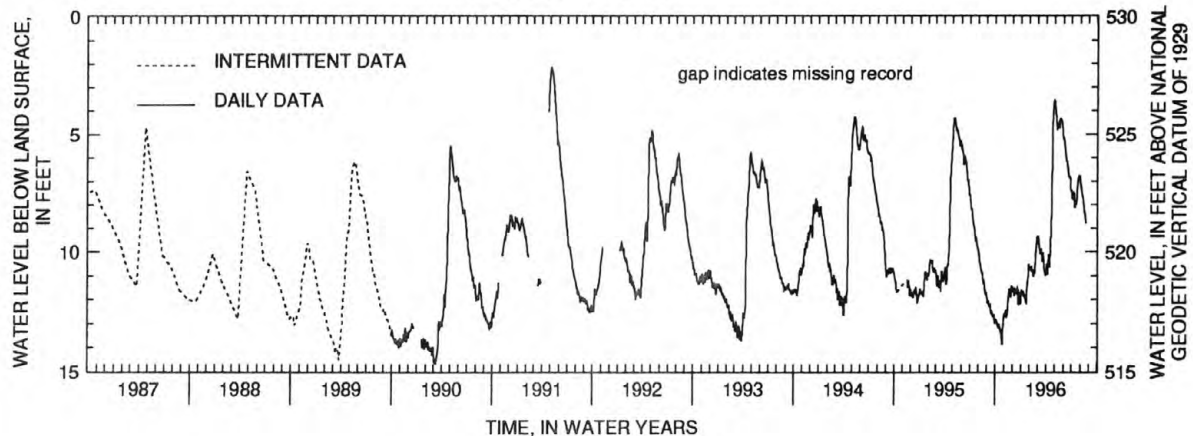
DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.89	12.74	11.43	11.96	10.71	9.57	10.92	3.57	5.18	7.41	6.85	---
2	12.79	12.67	11.50	11.76	10.71	9.52	10.72	3.60	5.19	7.63	6.95	---
3	12.84	12.57	11.63	11.65	10.77	9.32	10.49	3.60	5.20	7.75	7.19	---
4	12.81	12.62	11.58	11.66	10.71	9.37	10.59	3.85	5.26	7.72	7.26	---
5	12.87	12.62	11.70	11.65	10.69	9.43	10.76	4.06	5.25	7.64	7.25	---
6	12.91	12.65	11.54	11.71	10.73	9.54	10.88	4.09	5.33	7.78	7.40	---
7	12.95	12.62	11.52	11.75	10.65	9.67	10.95	4.26	5.46	7.78	7.48	---
8	12.92	12.43	11.65	11.67	10.65	9.71	10.70	4.43	5.66	7.69	7.56	---
9	13.06	12.56	11.86	11.62	10.58	9.77	10.34	4.62	5.91	7.74	7.58	---
10	13.09	12.70	11.61	11.75	10.77	10.00	10.23	4.75	5.88	7.43	7.69	---
11	13.02	12.78	11.56	11.84	10.84	10.06	10.09	4.77	5.95	7.77	7.76	---
12	13.03	12.65	11.57	11.88	10.80	10.09	10.13	4.67	6.13	8.00	7.74	---
13	13.17	12.67	11.68	11.78	10.83	10.02	10.57	4.54	6.14	8.16	7.85	---
14	13.23	12.66	11.68	11.80	10.89	10.07	10.58	4.62	6.05	8.05	7.98	---
15	13.08	12.33	11.63	11.88	10.98	9.86	10.25	4.58	6.18	7.98	8.17	---
16	13.07	12.15	11.79	11.95	11.06	9.93	10.06	4.52	6.37	7.94	8.32	---
17	13.18	11.98	11.73	11.91	10.76	10.12	9.69	4.54	6.36	7.99	8.38	---
18	13.18	11.97	11.54	12.02	10.74	10.18	9.45	4.76	6.48	8.00	8.45	---
19	13.26	11.83	11.65	11.95	10.88	10.43	9.25	4.68	6.61	8.00	8.38	---
20	13.32	11.70	11.51	12.03	10.92	10.33	8.80	4.43	6.70	7.73	8.58	---
21	13.32	11.56	11.43	12.20	10.79	10.01	8.01	4.35	6.78	7.55	8.68	---
22	13.28	11.56	11.69	12.09	10.54	10.04	7.09	4.33	6.79	7.27	8.76	---
23	13.53	11.73	12.03	11.55	10.39	10.14	6.12	4.33	6.80	7.11	m8.81	---
24	13.64	11.76	12.23	11.26	10.24	10.43	5.13	4.37	6.84	6.96	---	---
25	13.70	11.88	12.07	11.22	9.77	10.76	4.49	4.44	6.84	6.90	---	---
26	13.67	11.91	11.69	11.35	9.62	10.77	4.15	4.50	6.79	6.86	---	---
27	13.88	11.81	11.69	11.20	9.72	10.81	3.99	4.44	7.01	6.83	---	---
28	13.54	11.54	12.00	10.85	9.35	10.80	3.74	4.49	7.23	6.79	---	---
29	13.23	11.47	12.13	10.69	9.41	10.85	3.62	4.64	7.43	6.74	---	---
30	12.93	11.48	12.20	10.51	---	10.96	3.62	4.76	7.35	6.77	---	---
31	12.78	---	12.14	10.60	---	11.00	---	4.92	---	6.80	---	---
LOW	13.88	12.78	12.23	12.20	11.06	11.00	10.95	4.92	7.43	8.16	---	---
HIGH	12.78	11.47	11.43	10.51	9.35	9.32	3.62	3.57	5.18	6.74	---	---

WTR YR 1996 HIGHEST 3.57 MAY 1 LOWEST 13.88 OCT 27

m Measured

ARW 890
471457068353001



AROOSTOOK COUNTY--Continued

463642069344601 Local number, ARW 891

LOCATION.--Lat 46°36'42", long 69°34'46", Hydrologic Unit 01010002, about 2.7 mi west of the village of Clayton Lake, T 11, R 14. Owner: International Paper Co.

AQUIFER.--Seboomook Formation of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 80 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1,050 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Electric tape gage index, at land-surface datum, which is 2.8 ft above the general land surface.

REMARKS.--Records lost Jan. 8 to Feb. 24.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.96 ft below land-surface datum, Apr. 26, 1983; lowest recorded, 17.08 ft below land-surface datum, Sept. 25, 1995.

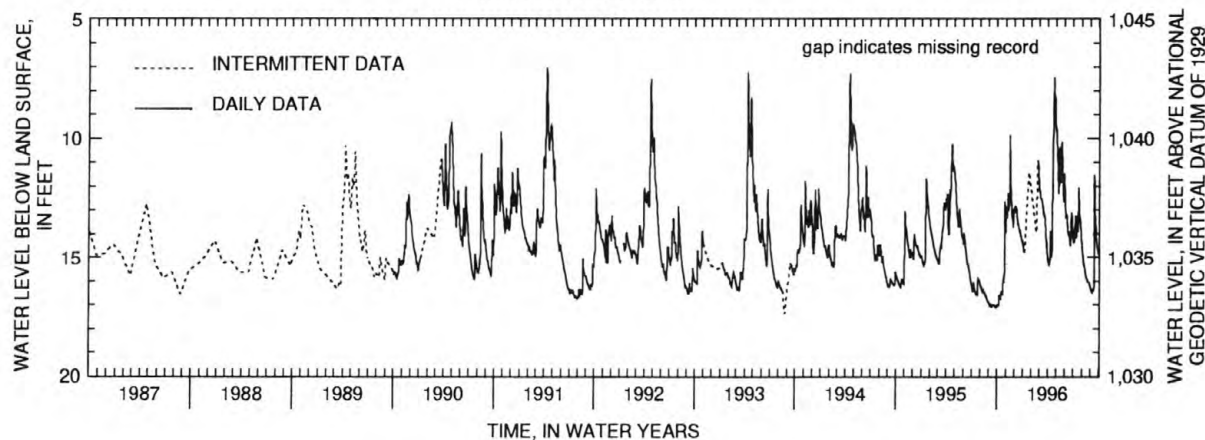
**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.99	13.88	12.91	14.42	---	11.79	15.18	9.76	12.01	14.14	14.39	16.28
2	17.01	13.98	13.00	14.45	---	11.99	15.18	9.59	12.52	14.29	14.53	16.32
3	17.04	13.52	13.13	14.52	---	12.16	15.18	9.88	12.89	14.37	14.67	16.36
4	17.05	12.85	12.88	14.61	---	12.26	15.22	10.14	13.15	14.37	14.82	16.38
5	17.06	12.91	12.97	14.71	---	12.25	15.31	10.38	13.37	14.34	14.94	16.42
6	17.04	13.22	12.81	14.82	---	12.28	15.32	10.70	13.22	14.22	15.06	16.46
7	16.97	13.38	12.85	14.77	---	12.45	15.22	11.09	13.20	14.18	15.16	16.50
8	16.73	12.85	12.88	m14.80	---	12.52	15.13	11.47	13.20	13.95	15.25	16.50
9	16.63	12.28	12.92	---	---	12.55	15.11	11.83	13.34	13.23	15.29	16.40
10	16.65	12.68	12.93	---	---	12.50	15.03	12.10	13.56	13.54	15.34	16.34
11	16.69	13.01	13.03	---	---	12.50	13.86	12.32	13.75	13.85	15.44	16.35
12	16.70	13.04	13.25	---	---	12.64	14.65	11.62	13.93	14.04	15.54	16.38
13	16.70	12.68	13.42	---	---	12.77	15.01	10.67	14.00	14.18	15.60	16.40
14	16.72	12.76	13.50	---	---	12.87	14.96	10.35	14.05	13.85	15.69	16.22
15	16.58	12.27	13.56	---	---	12.92	14.91	10.77	13.96	13.36	15.76	12.26
16	16.40	9.85	13.59	---	---	13.23	14.73	11.11	13.94	13.35	15.77	11.50
17	16.44	10.55	13.64	---	---	13.08	14.16	11.46	14.07	13.42	15.84	12.49
18	16.48	11.32	13.78	---	---	13.10	12.85	11.82	14.23	13.72	15.89	13.20
19	16.55	11.86	13.82	---	---	13.22	12.30	11.81	14.36	13.93	15.89	13.41
20	16.57	12.25	13.88	---	m13.95	13.26	10.88	10.43	14.47	13.18	15.94	13.62
21	16.55	12.50	13.86	---	---	13.24	9.19	10.14	14.54	12.07	15.97	13.80
22	16.26	12.78	13.85	---	---	13.34	8.33	10.51	14.27	12.35	16.00	14.06
23	15.84	13.05	13.90	m11.40	---	13.50	8.03	10.72	14.10	12.87	16.01	14.28
24	15.84	13.34	13.99	---	---	13.67	7.41	11.07	13.28	13.18	16.02	14.40
25	15.92	13.09	14.06	---	10.94	13.81	7.96	11.53	13.30	13.38	16.04	14.54
26	16.05	13.06	14.13	---	10.95	14.15	8.48	12.00	13.10	13.54	16.05	14.58
27	16.05	13.74	14.17	---	11.04	14.62	8.20	12.36	13.33	13.51	16.10	14.61
28	15.21	13.69	14.17	---	11.16	14.33	8.39	12.50	13.62	13.41	16.11	14.69
29	12.62	13.46	14.29	---	11.53	14.46	9.11	12.67	13.83	13.70	16.12	14.79
30	12.99	13.26	14.37	---	---	14.77	9.64	11.93	13.99	14.00	16.19	14.88
31	13.57	---	14.25	---	---	15.03	---	11.45	---	14.21	16.23	---
LOW	17.06	13.98	14.37	---	---	15.03	15.32	12.67	14.54	14.37	16.23	16.50
HIGH	12.62	9.85	12.81	---	---	11.79	7.41	9.59	12.01	12.07	14.39	11.50

WTR YR 1996 HIGHEST 7.41 APR 24 LOWEST 17.06 OCT 5

m Measured

ARW 891
463642069344601



AROOSTOOK COUNTY—Continued

464234068010401 Local number, ARW 895

LOCATION.--Lat 46°42'34", long 68°01'04", Hydrologic Unit 01010004, about 2.0 mi north of City of Presque Isle. Owner: U.S. Geological Survey.

AQUIFER.--Ice-contact deposits of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Oct. 1986. Measured depth 20 ft, screened depth 15 to 20 ft, screen slot size 0.006 in.

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

DATUM.--Elevation of land-surface datum is 409 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.94 ft above land-surface datum.

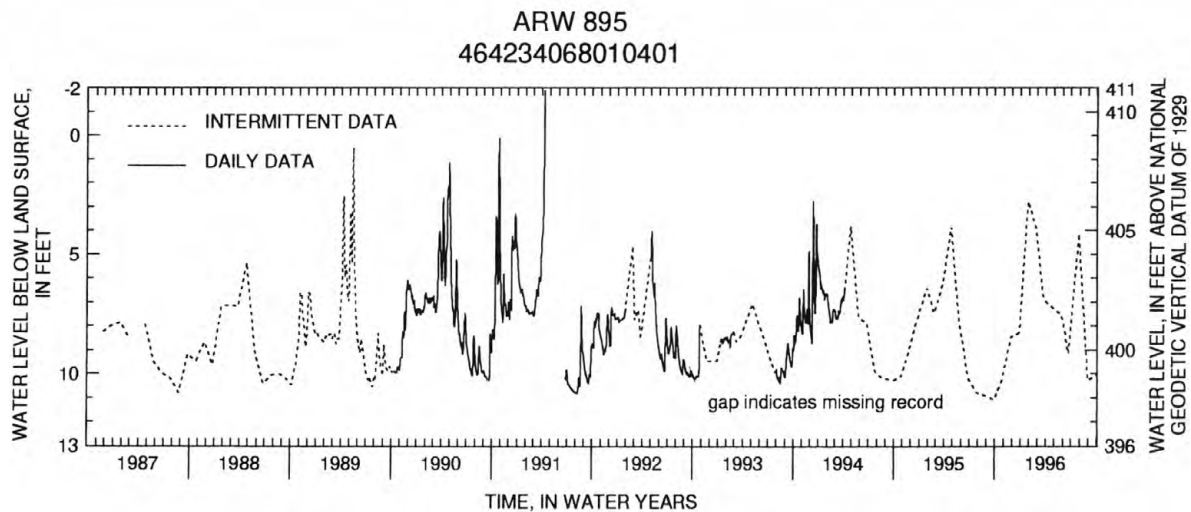
PERIOD OF RECORD.--November 1986 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.92 ft above land-surface datum, Apr. 10, 1991; lowest recorded, 11.09 ft below land-surface datum, Sept. 28, 1995

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	10.26	DEC 29	8.26	FEB 26	3.86	MAY 29	7.56	JUL 30	4.16	SEP 30	10.06
NOV 28	8.46	JAN 29	2.76	MAR 25	6.91	JUN 22	9.16	AUG 30	10.26		
WATER YEAR 1996		HIGHEST	2.76	JAN 29	LOWEST	10.26	OCT 27, AUG 30				



AROOSTOOK COUNTY--Continued

464259067572901 Local number, ARW 906

LOCATION.--Lat 46°42'59", long 67°57'29", Hydrologic Unit 01010004, approximately 3.5 mi northeast of the City of Presque Isle. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Oct. 1986 measured depth 40 ft, screened depth 35 to 40 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 431 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.88 ft above land-surface datum.

REMARKS.--Records lost Nov. 6 to Apr. 26 and Aug. 21 to Sept. 30.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.13 ft below land-surface datum, Apr. 22, 1995; lowest recorded, 19.38 ft below land-surface datum, Oct. 1-3, 1988.

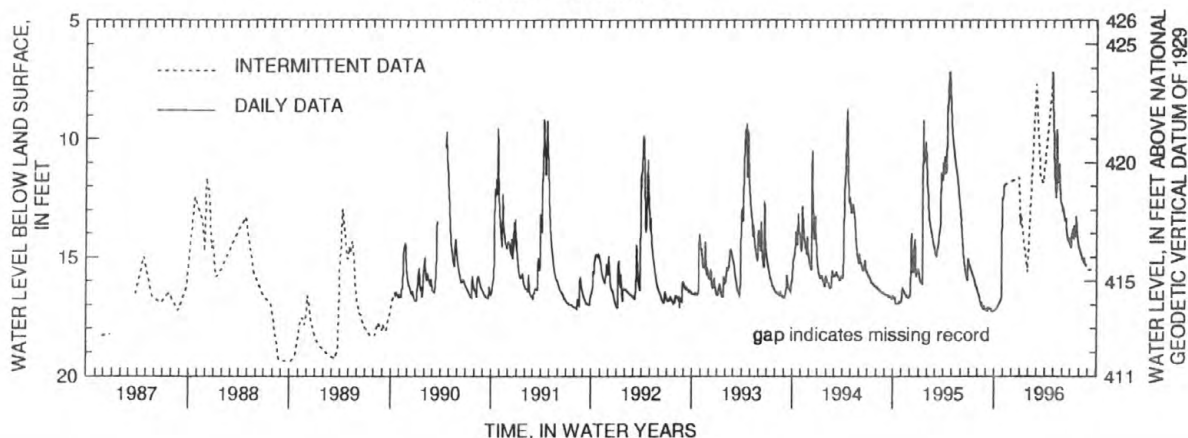
DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.24	12.49	---	---	---	---	---	9.64	12.85	14.51	14.61	---
2	17.24	12.55	---	---	---	---	---	9.81	12.95	14.53	14.61	---
3	17.22	12.48	---	m13.58	---	---	---	10.43	13.02	14.55	14.65	---
4	17.20	12.21	---	m13.15	---	---	---	10.85	13.06	14.49	14.70	---
5	17.19	12.00	---	---	---	---	---	11.11	12.89	14.06	14.74	---
6	17.19	m11.94	---	---	---	---	---	11.50	13.01	14.16	14.80	---
7	17.17	---	---	---	---	---	---	11.84	13.13	13.96	14.85	---
8	17.15	---	---	---	---	---	---	12.07	13.17	14.07	14.88	---
9	17.14	---	---	---	---	---	---	12.28	13.29	13.92	14.87	---
10	17.12	---	---	---	---	---	---	12.40	13.36	13.77	14.88	---
11	17.10	---	---	---	---	---	---	12.49	13.42	13.85	14.94	---
12	17.09	---	---	---	---	---	---	11.20	13.46	14.10	15.02	---
13	17.07	---	---	---	---	---	---	9.58	13.50	14.25	15.06	---
14	17.05	---	---	---	---	---	---	10.01	13.33	13.92	15.10	---
15	17.03	---	---	---	---	m11.63	---	10.82	13.40	13.64	15.13	---
16	17.00	---	---	---	---	---	---	11.30	13.57	13.81	15.17	---
17	16.96	---	---	---	---	---	---	11.54	13.87	13.96	15.17	---
18	16.95	---	---	---	---	---	---	11.77	14.03	14.06	15.18	---
19	16.94	---	---	---	---	---	---	11.87	14.13	14.16	15.01	---
20	16.93	---	---	---	---	---	---	11.57	14.20	13.71	15.11	---
21	16.91	---	---	---	---	---	---	11.03	14.27	13.25	m15.22	---
22	16.89	---	---	---	---	---	---	11.33	14.23	13.47	---	---
23	16.83	---	---	---	---	---	---	11.67	14.29	13.77	---	---
24	16.80	---	---	---	---	---	---	11.99	14.33	13.95	---	---
25	16.79	---	---	---	---	m11.87	---	12.29	14.35	14.06	---	---
26	16.79	---	---	---	---	---	m7.72	12.51	14.19	14.13	---	---
27	16.78	---	---	---	---	---	7.15	12.62	14.25	14.21	---	---
28	16.59	---	---	---	m7.67	---	7.57	12.71	14.38	14.30	---	---
29	14.19	---	m11.62	m15.62	---	---	8.49	12.78	14.44	14.42	---	---
30	12.74	---	---	---	---	---	9.20	12.72	14.48	14.50	m15.52	m15.52
31	12.43	---	---	---	---	---	---	12.68	---	14.57	---	---
LOW	17.24	---	---	---	---	---	---	12.78	14.48	14.57	---	---
HIGH	12.43	---	---	---	---	---	---	9.58	12.85	13.25	---	---

WTR YR 1996 HIGHEST 7.15 APR 27 LOWEST 17.24 OCT 1,2

m Measured

ARW 906
464259067572901



CUMBERLAND COUNTY

435453070013601 Local number, CW 26

LOCATION.--Lat 43°54'53", long 70°01'36", Hydrologic Unit 01060001, 0.3 mi northwest of the intersection of Durham Road and U.S. Highway 1 in Brunswick. Owner: Brunswick and Topsham Water District.

AQUIFER.--Stratified sand and gravel deposits of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 12 in., reported depth 101 ft in 1953, screened 81 to 101 ft, Nov. 1982 measured depth 96 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 139 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Electric tape gage index, 2.93 ft above land-surface datum.

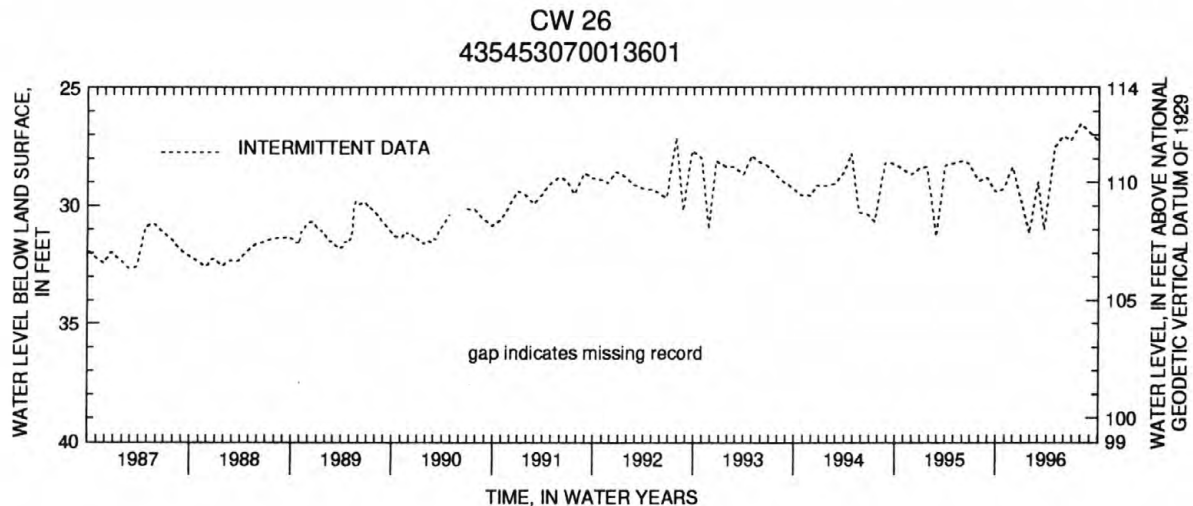
PERIOD OF RECORD.--April 1958 to current year.

REVISED RECORDS.--WDR ME-82-1: 1978, 1981, WDR ME-83-1: 1977, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.95 ft below land-surface datum, June 9, 1984; lowest measured, 36.41 ft below land-surface datum, Feb. 10, 1966.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	29.31	JAN 29	31.15	MAR 22	31.01	MAY 29	27.03	JUL 31	26.51	SEP 27	27.21
NOV 29	28.36	FEB 28	28.96	APR 29	27.50	JUN 24	27.22	AUG 28	26.85		
WATER YEAR 1996		HIGHEST	26.51	JUL 31	LOWEST	31.15	JAN 29				



CUMBERLAND COUNTY--Continued

435902070171301 Local number, CW 1382

LOCATION.--Lat 43°59'02", long 70°17'13", Hydrologic Unit 01060001, about 1.6 mi north of New Gloucester. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., depth 9 ft, screened depth 2 to 9 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 339 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.38 ft above land-surface datum.

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

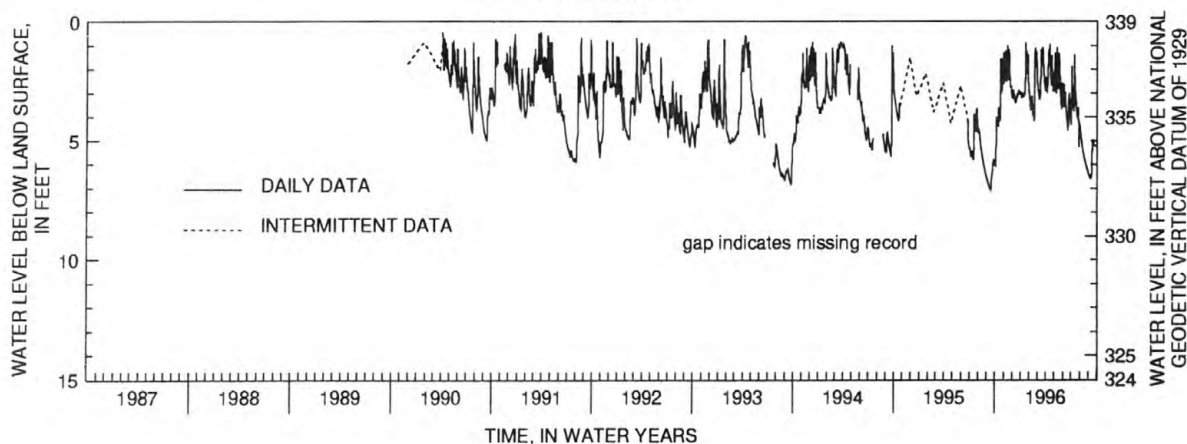
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.41 ft below land-surface datum, Mar. 28, 1991; lowest recorded, 7.05 ft below land-surface datum, Sept. 17, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.91	2.56	3.05	3.00	2.94	2.25	2.93	2.29	3.05	4.09	4.37	6.32
2	5.96	1.51	3.19	2.98	3.06	2.51	2.47	2.62	3.37	4.23	4.27	6.37
3	6.01	1.27	3.15	2.97	3.17	2.63	2.31	2.91	3.59	4.35	4.46	6.41
4	6.06	1.61	3.14	3.07	3.29	2.86	2.64	2.35	3.57	1.86	4.58	6.43
5	6.10	2.23	3.21	3.08	3.45	2.90	2.83	1.31	3.34	2.45	4.69	6.45
6	5.26	2.46	2.93	3.14	3.61	2.98	2.93	2.15	2.62	2.93	4.81	6.47
7	4.85	2.21	2.85	3.11	3.66	3.03	2.95	2.53	3.09	3.25	4.92	6.50
8	3.99	1.18	3.15	3.00	3.62	2.96	2.93	2.79	3.22	3.39	4.99	6.53
9	4.03	2.06	3.25	3.10	3.38	3.16	2.60	3.02	3.04	3.50	5.08	6.57
10	4.10	2.52	3.14	3.12	3.17	3.27	2.14	2.84	2.94	3.05	5.17	6.57
11	4.16	2.41	3.13	3.17	3.11	3.20	1.90	2.11	3.01	3.46	5.26	6.57
12	4.25	1.36	3.25	3.06	3.31	3.09	1.16	1.05	3.37	3.78	5.34	6.51
13	4.35	1.89	3.36	2.97	3.48	2.94	1.65	1.64	3.65	3.27	5.41	6.43
14	4.40	2.12	3.35	3.01	3.72	2.49	1.75	2.27	3.75	1.39	5.47	6.35
15	3.58	.99	3.38	3.12	3.91	1.43	1.14	2.59	3.89	2.31	5.54	6.00
16	3.62	1.62	3.34	3.06	3.90	1.15	1.19	2.81	4.04	2.36	5.61	5.34
17	3.90	2.16	3.27	2.90	3.84	1.34	.93	1.80	4.12	2.92	5.66	5.14
18	3.97	2.47	3.22	2.78	4.00	1.35	1.46	2.07	4.28	3.30	5.70	5.05
19	4.12	2.14	3.15	1.54	4.12	1.36	2.01	1.47	4.40	3.43	5.77	4.99
20	4.18	1.24	3.04	.88	4.11	1.05	2.29	1.30	4.51	3.30	5.82	5.01
21	3.69	1.14	3.04	1.52	2.91	1.11	2.46	1.93	4.57	3.52	5.86	5.06
22	1.54	1.58	3.15	1.99	1.32	1.29	2.70	2.38	4.24	3.74	5.90	5.13
23	2.33	2.11	3.10	2.17	1.30	1.52	2.08	2.30	3.25	3.92	5.96	5.19
24	2.53	2.46	3.01	1.62	1.09	2.00	1.40	2.81	3.21	3.98	6.01	5.18
25	2.73	2.69	2.95	1.21	1.35	2.17	2.04	3.13	3.00	4.08	6.04	5.19
26	2.92	2.69	2.91	2.14	1.73	2.25	2.36	3.31	3.19	3.94	6.08	5.19
27	2.99	2.77	2.97	1.67	1.92	2.48	2.41	3.45	3.54	3.58	6.12	5.20
28	1.53	2.68	3.01	1.38	1.24	2.63	2.76	3.55	3.77	3.89	6.18	5.19
29	1.63	2.77	3.01	2.41	1.52	2.65	2.95	3.67	3.95	4.19	6.22	5.22
30	2.29	2.99	2.97	2.59	---	2.75	2.69	2.68	4.07	5.28	6.24	5.24
31	2.54	---	2.97	2.72	---	2.86	---	2.54	---	4.44	6.28	---
LOW	6.10	2.99	3.38	3.17	4.12	3.27	2.95	3.67	4.57	5.28	6.28	6.57
HIGH	1.53	.99	2.85	.88	1.09	1.05	.93	1.05	2.62	1.39	4.27	4.99

WTR YR 1996 HIGHEST 0.88 JAN 20 LOWEST 6.57 SEPT 9-11

CW 1382
435902070171301



CUMBERLAND COUNTY--Continued

435653070201801 Local number, CW 1383

LOCATION.--Lat 43°56'53", long 70°20'18", Hydrologic Unit 01060001, about 3.0 mi southwest of New Gloucester. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., screen slot size 0.010 in.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

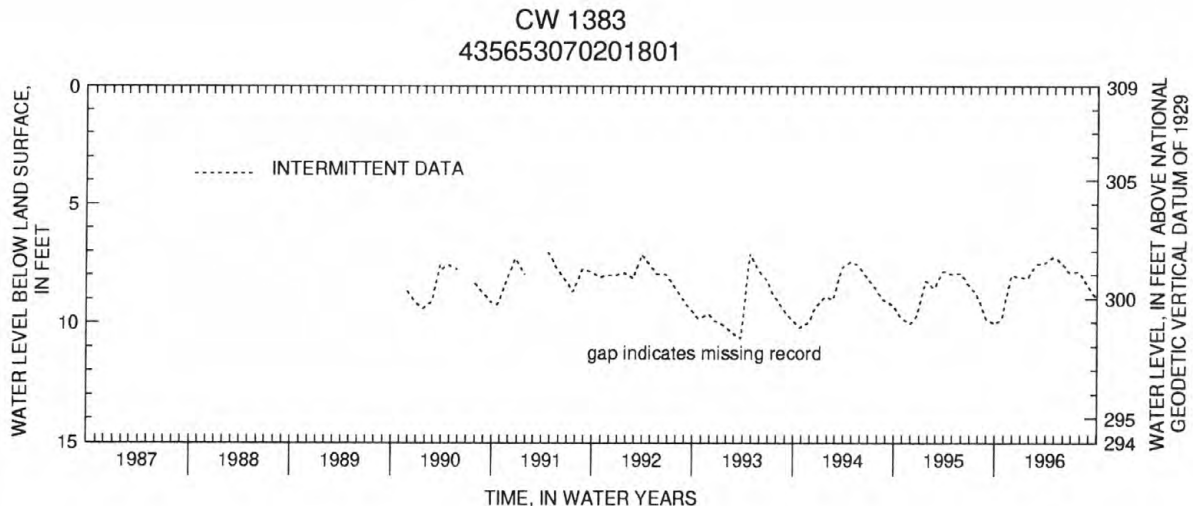
DATUM.--Elevation of land-surface datum is 309 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.93 ft above land-surface datum.

PERIOD OF RECORD.--October 1981 to April 1982, November 1989 to current year. Records prior to November 1989 have not been published, but are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.03 ft below land-surface datum, Apr. 23, 1991; lowest measured, 10.65 ft below land-surface datum, Mar. 26, 1993.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.85	JAN 25	8.14	MAR 25	7.52	MAY 30	7.51	JUL 29	7.87	SEP 30	8.96
NOV 28	8.02	FEB 28	7.54	APR 29	7.24	JUN 24	7.89	AUG 29	8.48		
WATER YEAR 1996		HIGHEST	7.24	APR 29	LOWEST	9.85	OCT 26				



FRANKLIN COUNTY

451128070280301 Local number, FW 893

LOCATION.--Lat 45°11'28", long 70°28'03", Hydrologic Unit 01030002, approximately 150 ft northwest of the intersection of State Highway 27 and Eustis Hill Road, Eustis. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Aug. 1985 measured depth 20 ft, screened depth 15 to 20 ft, screen slot size 0.008 in.

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

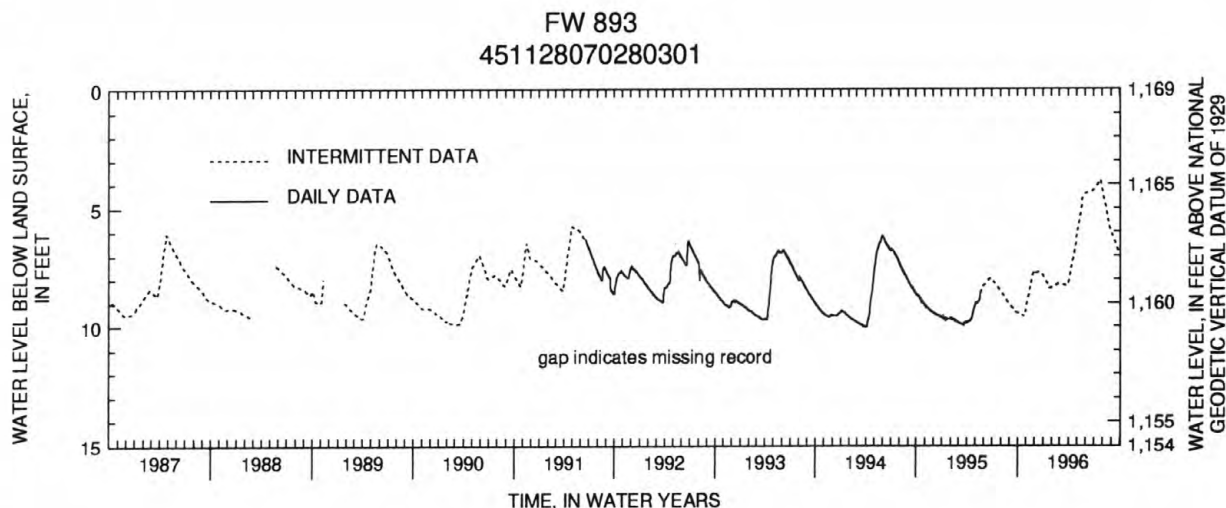
DATUM.--Elevation of land-surface datum is 1,169 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: File mark on 6" casing inside of shelter, which is 3.20 ft above the general land surface.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.84 ft below land-surface datum, July 26, 1996; lowest recorded, 10.03 ft below land-surface datum, Apr. 2, 1994.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.55	DEC 08	7.73	FEB 27	8.19	APR 25	6.71	JUL 26	3.84
25	9.60	26	7.70	MAR 30	8.28	MAY 25	4.44	AUG 26	5.79
NOV 28	7.65	JAN 26	8.40	APR 04	7.97	JUN 27	4.30	SEP 27	6.84
WATER YEAR 1996		HIGHEST	3.84	JUL 26	LOWEST	9.60	OCT 25		



FRANKLIN COUNTY--Continued

443831070002601 Local number, FW 901

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

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 37 feet, screened 25 to 35 feet, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 307 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.13 ft above land-surface datum.

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

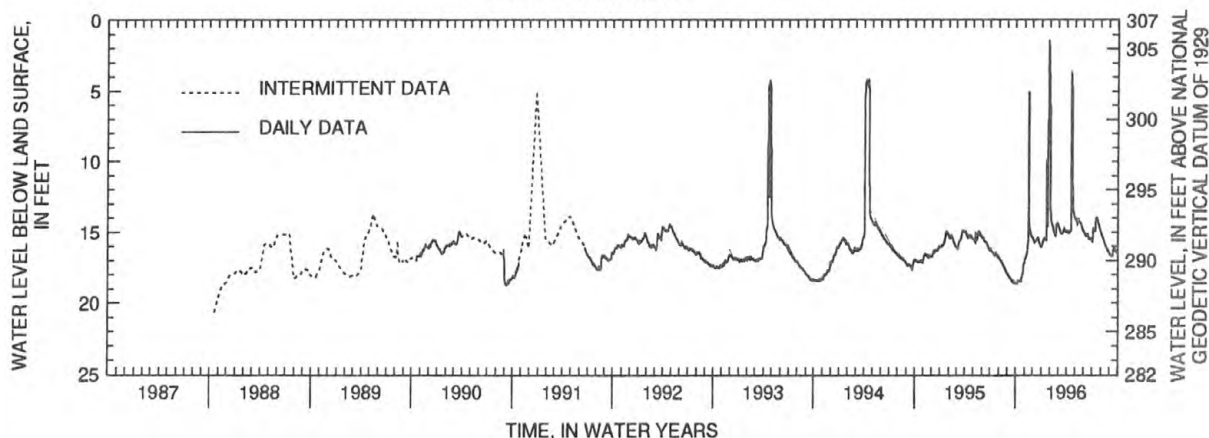
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.38 ft below land-surface datum, Jan. 28, 1996; lowest measured, 20.64 ft below land-surface datum, Oct. 18, 1987.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.63	17.18	15.39	16.04	4.51	14.43	14.97	13.96	14.88	15.60	14.90	16.43
2	18.63	17.13	15.39	16.03	6.25	14.48	14.95	13.93	14.96	15.62	14.93	16.45
3	18.65	16.97	15.49	15.94	11.85	14.50	14.89	13.99	15.03	15.65	14.99	16.47
4	18.67	16.82	15.50	15.85	13.55	14.59	14.90	14.04	15.05	15.43	15.08	16.51
5	18.67	16.81	15.56	15.80	13.98	14.66	14.95	14.06	15.07	14.94	15.15	16.56
6	18.66	16.81	15.58	15.76	14.19	14.71	15.00	14.10	15.10	14.73	15.20	16.59
7	18.56	16.79	15.59	15.71	14.33	14.78	15.03	14.19	15.14	14.69	15.26	16.62
8	18.46	16.63	15.67	15.60	14.38	14.80	15.04	14.25	15.17	14.70	15.33	16.66
9	18.41	16.51	15.69	15.51	14.41	14.84	15.04	14.31	15.23	14.70	15.36	16.66
10	18.47	16.55	15.63	15.48	14.50	14.98	15.02	14.39	15.18	14.73	15.40	16.66
11	18.48	16.52	15.62	15.47	14.56	15.06	14.94	14.36	15.12	14.82	15.46	16.63
12	18.48	16.36	15.62	15.47	14.60	15.07	14.96	14.22	15.11	14.90	15.54	16.66
13	18.50	15.98	15.62	15.38	14.71	15.10	14.96	14.06	15.16	14.97	15.60	16.68
14	18.50	15.87	15.62	15.38	14.78	15.10	14.93	14.08	15.17	14.59	15.64	16.63
15	18.44	15.60	15.56	15.44	14.83	15.07	14.89	14.13	15.15	14.12	15.70	16.45
16	18.40	9.13	15.50	15.56	14.94	15.04	14.85	14.17	15.21	14.00	15.75	16.31
17	18.40	5.01	15.46	15.55	14.94	15.01	9.84	14.21	15.27	13.96	15.80	16.26
18	18.44	10.64	15.45	15.60	14.97	15.00	3.59	14.27	15.33	14.00	15.86	16.19
19	18.46	14.11	15.47	15.65	15.09	15.01	4.06	14.31	15.39	14.05	15.92	16.15
20	18.49	14.77	15.44	13.03	15.18	14.96	4.46	14.31	15.45	14.02	15.98	16.17
21	18.49	14.91	15.40	9.87	15.22	14.86	4.82	14.29	15.47	14.01	16.00	16.18
22	18.34	14.95	15.47	13.07	15.13	14.78	8.94	14.31	15.51	14.13	16.03	16.20
23	18.03	15.02	15.60	14.36	14.93	14.75	12.59	14.37	15.50	14.24	16.07	16.22
24	17.95	15.11	15.70	14.61	14.70	14.80	13.28	14.44	15.46	14.33	16.12	16.26
25	17.93	15.21	15.74	12.07	14.47	14.85	13.43	14.54	15.44	14.44	16.16	16.29
26	17.92	15.23	15.75	6.48	14.39	14.84	13.58	14.60	15.41	14.48	16.20	16.34
27	17.91	15.23	15.80	8.66	14.40	14.85	13.65	14.68	15.44	14.52	16.24	16.40
28	17.77	15.24	15.88	1.38	14.39	14.90	13.72	14.78	15.49	14.59	16.27	16.42
29	17.32	15.33	15.95	2.74	14.37	14.92	13.84	14.84	15.55	14.69	16.29	16.38
30	17.18	15.39	15.99	3.43	---	14.95	13.94	14.87	15.59	14.76	16.32	16.36
31	17.18	---	16.01	4.03	---	14.96	---	14.86	---	14.85	16.37	---
LOW	18.67	17.18	16.01	16.04	15.22	15.10	15.04	14.87	15.59	15.65	16.37	16.68
HIGH	17.18	5.01	15.39	1.38	4.51	14.43	3.59	13.93	14.88	13.96	14.90	16.15

WTR YR 1996 HIGHEST 1.38 JAN 28 LOWEST 18.67 OCT 4-5

FW 901
443831070002601



FRANKLIN COUNTY--Continued

450539070301301 Local number, FW 908

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

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., depth 22 ft, screened depth 11.8 to 21.8 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1,338 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.66 ft above land-surface datum.

PERIOD OF RECORD.--March 1990 to current year. Records for November 7, 1991 to June 29, 1992, and August 29, 1992 to November 19, 1992, published in WRD ME-92-1 and WDR ME-93-1, are unreliable and should not be used.

REVISED RECORDS.--see PERIOD OF RECORD.

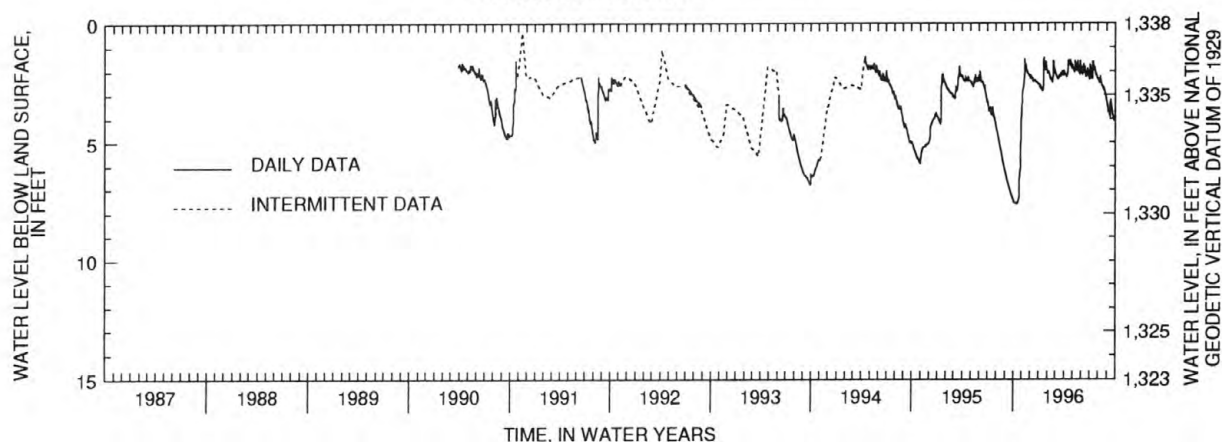
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft below land-surface datum, Nov. 16, 1990; lowest recorded, 7.60 ft below land-surface datum, Oct. 14, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.44	3.66	2.18	2.54	2.03	2.08	2.06	1.70	1.91	2.24	2.31	3.29
2	7.46	3.37	2.26	2.55	2.05	2.10	2.02	1.82	1.98	2.33	2.36	3.35
3	7.51	2.97	2.24	2.55	2.10	2.14	2.08	1.87	2.04	2.32	2.41	3.41
4	7.54	2.84	2.25	2.61	2.09	2.20	2.15	1.88	2.04	1.72	2.41	3.47
5	7.56	2.81	2.28	2.62	2.06	2.20	2.15	1.89	2.08	1.91	2.46	3.56
6	7.56	2.78	2.25	2.66	2.09	2.24	2.13	1.94	2.13	2.04	2.50	3.63
7	7.54	2.71	2.29	2.65	2.07	2.25	2.13	1.96	2.10	2.13	2.53	3.71
8	7.55	2.45	2.33	2.64	2.10	2.25	2.19	2.00	2.10	2.11	2.50	3.77
9	7.56	2.55	2.29	2.69	2.14	2.32	2.21	2.03	1.79	2.19	2.18	3.66
10	7.57	2.58	2.29	2.72	2.24	2.34	2.17	2.02	1.77	2.26	2.27	3.72
11	7.57	2.54	2.33	2.75	2.25	2.32	2.23	1.75	1.90	2.32	2.41	3.80
12	7.58	1.47	2.38	2.73	2.32	2.31	2.21	1.55	2.01	2.36	2.47	3.87
13	7.59	1.77	2.41	2.72	2.34	2.30	2.15	1.78	1.86	2.01	2.52	3.88
14	7.60	1.92	2.38	2.76	2.35	2.27	2.13	1.86	1.80	1.58	2.57	3.45
15	7.59	1.68	2.40	2.83	2.38	2.18	2.02	1.91	1.96	1.67	2.61	3.18
16	7.55	1.74	2.42	2.82	2.38	2.16	1.84	1.94	2.06	1.73	2.62	3.29
17	7.54	1.88	2.42	2.76	2.36	2.22	1.53	1.98	2.13	1.85	2.62	3.37
18	7.51	1.95	2.42	2.68	2.41	2.23	1.73	2.02	2.20	1.97	2.66	3.45
19	7.48	1.99	2.41	1.66	2.45	2.17	1.65	1.88	2.25	1.91	2.72	3.54
20	7.47	2.01	2.40	1.42	2.43	2.14	1.59	1.55	2.28	1.80	2.76	3.64
21	7.46	2.01	2.41	1.82	2.26	2.20	1.52	1.72	2.12	1.93	2.70	3.72
22	7.09	2.05	2.46	1.91	1.54	2.17	1.66	1.83	2.11	2.01	2.73	3.80
23	6.61	2.08	2.46	1.98	1.68	2.18	1.59	1.91	1.98	2.09	2.78	3.87
24	6.36	2.13	2.45	1.92	1.59	2.23	1.52	1.98	2.09	2.13	2.82	3.93
25	6.27	2.13	2.45	1.82	1.78	2.16	1.77	2.03	1.88	2.14	2.88	3.93
26	6.17	2.14	2.45	1.99	1.93	1.99	1.80	2.06	2.04	2.12	2.93	3.96
27	6.08	2.16	2.50	1.68	1.99	2.06	1.65	2.09	2.14	2.17	2.97	4.03
28	5.33	2.17	2.52	1.57	1.98	2.13	1.81	2.11	2.20	2.24	3.01	4.05
29	4.14	2.18	2.53	1.83	2.05	2.14	1.84	1.87	2.25	2.28	3.05	3.91
30	3.96	2.19	2.52	1.89	---	2.16	1.86	1.56	2.24	2.32	3.13	3.98
31	3.81	---	2.53	1.96	---	2.14	---	1.77	---	2.34	3.21	---
LOW	7.60	3.66	2.53	2.83	2.45	2.34	2.23	2.11	2.28	2.36	3.21	4.05
HIGH	3.81	1.47	2.18	1.42	1.54	1.99	1.52	1.55	1.77	1.58	2.18	3.18

WTR YR 1996 HIGHEST 1.42 JAN 20 LOWEST 7.60 OCT 14

FW 908
450539070301301



HANCOCK COUNTY

444950068220602 Local number, HW 1A

LOCATION.--Lat 44°49'55", long 68°21'59", Hydrologic Unit 01050002, on State Highway 9, 0.25 mi west of the intersection with State Highway 181 in Amherst. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 47 ft, screened depth 37 ft to 47 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 344 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.49 ft above land-surface datum.

REMARKS.--Records lost Nov. 15, Jan. 7, 9-13 and 19, June 14-29, July 11-13, and Aug. 18.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.61 ft below land-surface datum, Jan. 28, 1996; lowest recorded, 26.92 ft below land-surface datum, Sept. 25, 26, 1993. ft below land-surface datum, Dec. 23, 1993; lowest recorded, 26.92 ft below land-surface datum, Sept. 25, 26, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

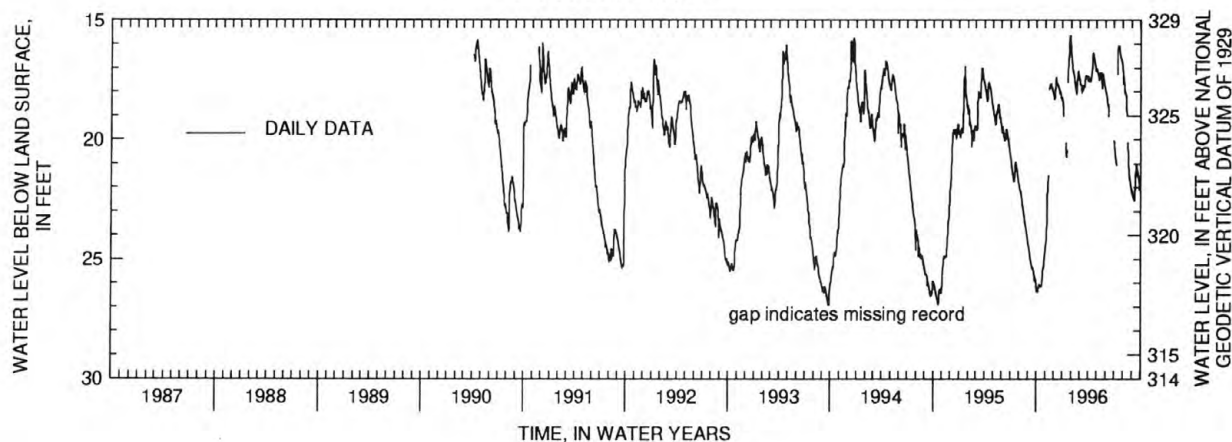
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.23	24.69	17.98	18.31	16.24	17.44	17.53	17.12	17.89	20.02	16.86	22.12
2	26.27	24.57	18.13	18.34	16.43	17.53	17.53	17.08	17.99	20.10	17.01	22.18
3	26.29	24.42	18.24	18.36	16.58	17.46	17.40	17.14	18.06	20.34	17.27	22.17
4	26.33	24.51	18.34	18.64	16.72	17.62	17.42	17.16	18.09	20.50	17.70	22.15
5	26.36	24.24	18.30	18.87	16.84	17.69	17.53	17.17	18.15	20.50	17.38	22.24
6	26.39	24.20	e18.21	19.03	16.95	17.69	17.54	17.23	18.24	20.66	17.42	22.32
7	26.31	23.98	e18.30	---	17.09	17.74	17.53	17.30	18.31	20.74	17.57	22.41
8	26.24	23.29	17.43	18.91	17.11	17.70	17.54	17.34	18.38	20.89	17.67	22.45
9	26.20	22.68	17.48	---	17.14	17.89	17.60	17.48	18.56	20.93	18.04	22.50
10	26.15	22.37	17.36	---	17.28	18.00	17.49	17.47	18.60	21.09	17.95	22.41
11	26.12	22.06	17.47	---	17.31	17.98	17.52	17.50	18.52	---	18.04	22.45
12	26.13	21.75	17.57	---	17.38	17.96	17.48	17.24	18.72	---	18.13	22.51
13	26.11	21.63	17.63	---	17.55	17.93	17.29	17.18	19.07	---	18.11	22.55
14	26.14	21.45	17.64	20.10	17.62	17.88	17.04	17.19	---	17.27	18.21	22.36
15	26.11	---	17.66	20.58	17.69	17.83	17.03	17.27	---	16.25	18.37	21.76
16	26.10	17.90	17.72	20.74	17.79	17.74	16.89	17.24	---	16.04	18.64	21.39
17	26.13	17.73	17.73	20.50	17.76	17.74	16.48	17.28	---	16.04	19.03	21.27
18	26.10	17.74	17.81	20.42	17.87	17.76	16.37	17.37	---	16.32	---	21.13
19	26.10	17.69	17.83	---	18.05	17.77	16.36	17.50	---	16.22	20.10	20.97
20	26.13	17.70	17.78	17.63	18.07	17.67	16.46	17.89	---	16.05	20.34	21.09
21	26.11	17.69	17.79	17.19	18.04	17.47	16.49	17.31	---	16.14	20.62	21.24
22	25.94	17.66	17.97	16.96	17.75	17.35	16.58	17.23	---	16.23	21.01	21.26
23	25.64	17.70	18.03	16.85	17.50	17.34	16.64	17.22	---	16.31	21.32	21.40
24	25.49	17.83	18.00	16.74	17.42	17.36	16.66	17.29	---	16.39	21.52	21.39
25	25.43	17.84	17.97	15.93	17.18	17.38	16.82	17.38	---	16.52	21.56	21.44
26	25.40	17.80	18.04	15.86	17.15	17.34	16.83	17.47	---	16.55	21.58	21.53
27	25.41	17.89	18.11	15.88	17.24	17.31	16.94	17.60	---	16.62	21.74	21.60
28	25.32	17.89	18.23	15.61	17.23	17.34	17.06	17.68	---	16.62	21.76	21.63
29	25.07	18.01	18.26	15.65	17.34	17.37	17.12	17.75	---	16.66	21.83	21.77
30	24.88	18.02	18.27	15.77	---	17.43	17.17	17.85	20.06	16.68	21.94	22.12
31	24.77	---	18.24	15.96	---	17.48	---	17.81	---	16.73	22.02	---
LOW	26.39	---	18.34	---	18.07	18.00	17.60	17.89	---	---	---	22.55
HIGH	24.77	---	17.36	---	16.24	17.31	16.36	17.08	---	---	---	20.97

WTR YR 1996 HIGHEST 15.61 JAN 28 LOWEST 26.39 OCT 6

m Measured

HW 1A

444950068220602



GROUND-WATER RECORDS

HANCOCK COUNTY--Continued

441440068182701 Local number, HW 137

LOCATION.--Lat 44°14'40", long 68°18'27", Hydrologic Unit 01050002, Seawall Campground of Acadia National Park, 1.3 mi south of Southwest Harbor. Owner: National Park Service.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 175 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 40 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.3 ft above land-surface datum.

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

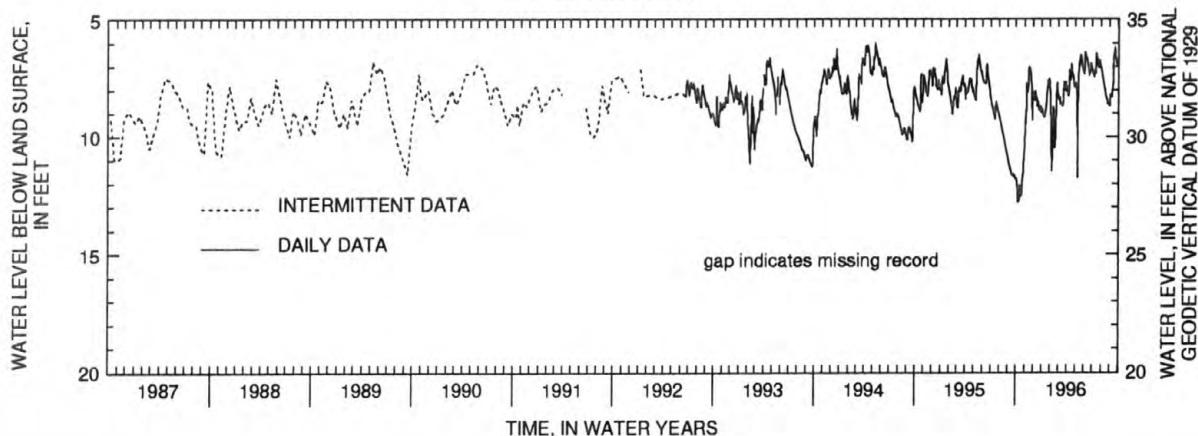
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.02 ft below land-surface datum, May 12, 1994; lowest measured, 14.90 ft below land-surface datum, Oct. 25, 1984.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.77	10.57	8.20	8.78	7.78	8.25	8.05	7.71	7.23	7.17	7.03	8.69
2	11.78	10.29	8.12	8.98	8.23	8.37	7.98	7.75	7.30	7.22	7.03	8.71
3	11.82	10.12	8.09	8.82	8.82	8.24	7.81	7.69	7.34	7.27	7.09	8.49
4	11.85	9.48	8.23	8.84	9.13	8.33	7.91	7.69	6.77	7.29	7.16	8.26
5	11.88	9.15	8.33	8.89	9.55	8.38	7.98	7.78	6.39	7.27	7.24	8.16
6	11.96	9.29	8.18	9.02	10.58	8.42	8.20	8.00	6.40	7.30	7.32	8.19
7	12.56	9.39	8.20	9.08	11.42	8.37	8.26	7.68	6.48	7.37	7.41	8.26
8	12.76	8.56	8.33	9.00	11.48	8.30	8.19	7.96	6.58	7.41	7.49	8.31
9	12.80	7.90	8.45	9.08	10.63	8.60	8.10	9.95	6.64	7.39	7.54	8.29
10	12.65	7.70	8.19	9.16	9.82	8.60	7.98	11.78	6.57	7.18	7.58	8.14
11	12.59	8.00	8.04	9.16	9.18	8.57	7.14	8.68	6.53	7.17	7.69	8.04
12	12.33	7.87	8.25	9.13	8.87	8.51	7.39	8.03	6.59	7.23	7.77	8.04
13	12.78	7.93	8.32	9.06	8.71	8.58	7.48	7.71	6.69	7.30	7.82	7.98
14	12.47	8.11	8.32	9.03	9.05	8.58	7.60	6.97	6.76	6.84	7.89	7.51
15	12.07	7.66	8.36	8.82	9.65	8.52	7.46	6.84	6.85	6.44	7.95	6.79
16	12.16	7.14	8.62	8.93	10.05	8.62	7.35	6.85	6.97	6.41	8.00	6.48
17	12.28	7.05	8.65	8.68	10.42	8.71	7.05	6.86	7.04	6.55	8.05	6.47
18	12.50	7.00	8.49	8.64	10.48	8.54	6.87	6.71	7.12	6.65	8.12	6.48
19	12.54	7.05	8.48	8.49	10.25	8.60	7.11	6.65	7.20	6.72	8.26	6.26
20	12.54	7.08	8.58	8.45	10.15	8.35	7.28	6.60	7.26	6.66	8.30	6.25
21	12.44	7.12	8.58	8.11	9.96	7.95	7.31	6.48	7.32	6.74	8.34	6.36
22	12.46	7.12	8.65	7.90	9.48	7.72	7.38	6.50	7.28	6.88	8.38	6.49
23	12.40	7.22	8.83	7.83	8.90	7.64	7.30	6.60	7.20	6.98	8.41	6.60
24	12.15	7.33	8.84	7.91	8.50	7.87	7.34	6.69	7.09	7.02	8.45	6.75
25	11.81	7.40	8.81	7.64	7.99	8.00	7.53	6.81	6.98	7.04	8.52	6.79
26	11.78	7.50	8.77	7.57	7.78	7.86	7.48	6.90	6.86	7.04	8.59	6.79
27	11.77	7.93	8.74	7.71	7.75	7.74	7.69	6.98	6.86	6.78	8.59	6.86
28	11.07	7.97	8.77	7.72	7.74	7.69	7.88	7.06	6.94	6.70	8.49	6.91
29	11.16	9.22	8.67	7.49	8.13	7.68	7.88	7.12	7.05	6.77	8.44	6.96
30	10.87	9.30	8.90	7.57	---	7.98	7.80	7.17	7.12	6.84	8.49	7.02
31	10.60	---	8.88	7.70	---	8.08	---	7.20	---	7.01	8.58	---
LOW	12.80	10.57	8.90	9.16	11.48	8.71	8.26	11.78	7.34	7.41	8.59	8.71
HIGH	10.60	7.00	8.04	7.49	7.74	7.64	6.87	6.48	6.39	6.41	7.03	6.25

WTR YR 1996 HIGHEST 6.25 SEPT 20 LOWEST 12.80 OCT 9

HW 137
441440068182701



KENNEBEC COUNTY

441849069442001 Local number, KW 52.

LOCATION.--Lat 44°18'49", long 69°44'20", Hydrologic Unit 01030003, on Cony Road, 0.3 mi south of State Highway 105, in Augusta.
 Owner: Walter Panek.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug water-table observation well, diameter 36 in., depth 22 ft, cased with rock to 22 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of shelter house floor, 0.07 ft below land-surface datum.

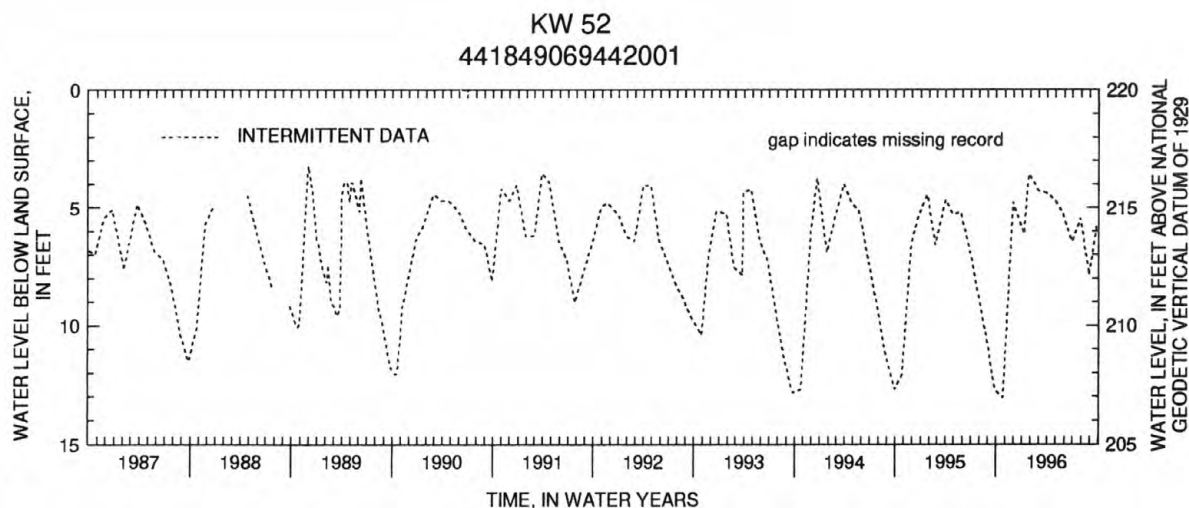
PERIOD OF RECORD.--December 1960 to current year.

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 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	13.06	JAN 09	6.13	FEB 29	4.27	APR 26	4.62	JUN 28	6.45	AUG 30	7.88
NOV 30	4.76	25	3.56	MAR 25	4.35	MAY 28	5.28	JUL 29	5.44	SEP 25	5.80
WATER YEAR 1996		HIGHEST	3.56	JAN 25	LOWEST	13.06	OCT 26				



KENNEBEC COUNTY--Continued

440918069564001 Local number, KW 766

LOCATION.--Lat 44°09'18", long 69°56'40", Hydrologic Unit 01030003, 690 ft northeast of the intersection of Hallowell Neck Road, Libby Road, and Plains Road, Litchfield. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unconfined observation well, diameter 6 in., depth 62 ft, cased to 59 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

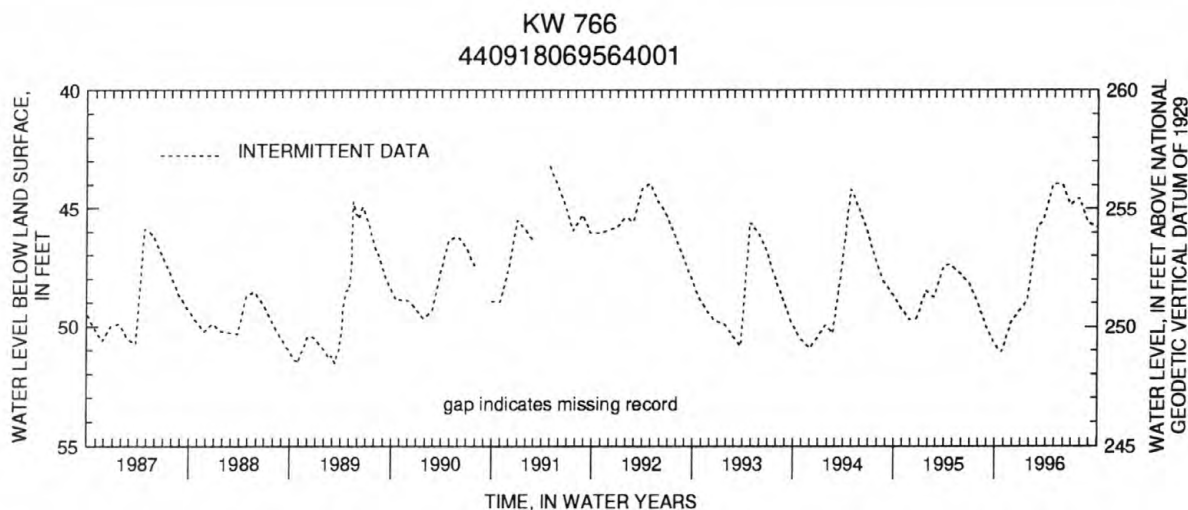
DATUM.--Elevation of land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of recorder shelter, at land-surface datum, which is 2.7 ft above the general land surface.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.76 ft below land-surface datum, June 2, 1984; lowest measured, 51.57 ft below land-surface datum, Mar. 15, 1989.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 26	51.06	JAN 25	48.90	MAR 22	45.49	MAY 29	43.96	JUL 29	44.53	SEP 30	45.76	
NOV 28	49.80	FEB 29	45.83	APR 26	43.96	JUN 28	44.83	AUG 28	45.58			
WATER YEAR 1996		HIGHEST	43.96	APR 26, MAY 29		LOWEST	51.06	OCT 26				



GROUND-WATER RECORDS

153

KENNEBEC COUNTY--Continued

440810069553601 Local number, KW 872A

LOCATION.--Lat 44°08'17", long 69°55'36", Hydrologic Unit 01030003, on Small Road, 0.40 mi north of State Highway 197, Litchfield.

Owner: Stephen Condon.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 404 ft, cased to bedrock, open end.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 2.2 ft above the general land surface.

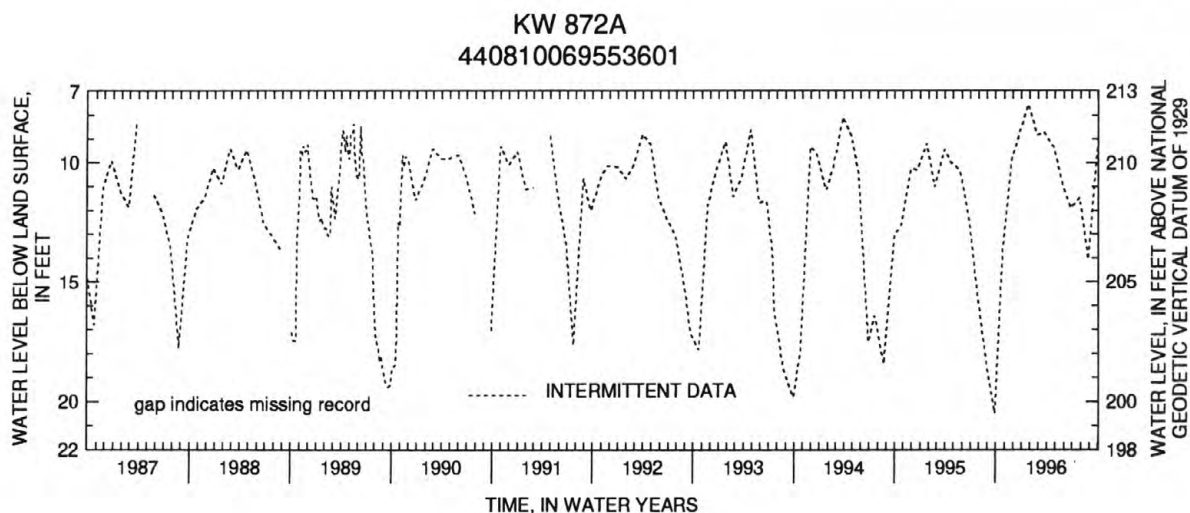
PERIOD OF RECORD.--November 1978 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.47 ft below land-surface datum, May 12, 1989; lowest measured, 20.50 ft below land-surface datum, Sept. 28, 1995.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	13.72	JAN 25	7.54	MAR 22	8.70	MAY 29	10.95	JUL 29	11.46	SEP 30	9.32
NOV 28	9.85	FEB 29	8.85	APR 26	9.35	JUN 28	11.90	AUG 28	14.08		
WATER YEAR 1996		HIGHEST	7.54	JAN 25	LOWEST	14.08	AUG 28				



GROUND-WATER RECORDS

KENNEBEC COUNTY--Continued

441533069452401 Local number, KW 881

LOCATION.--Lat 44°18'02", long 69°45'22", Hydrologic Unit 01030003, on unimproved road, about 0.5 mi east of State Highway 9, in Augusta. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 20 ft, screened depth 10 to 20 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

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

REMARKS.--Records lost Oct. 1-26, Apr. 5-26 and May 28 to Sept. 2.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.49 ft below land-surface datum, Apr. 12, 1993; lowest recorded, 6.34 ft below land-surface datum, Sept. 16, 1995.

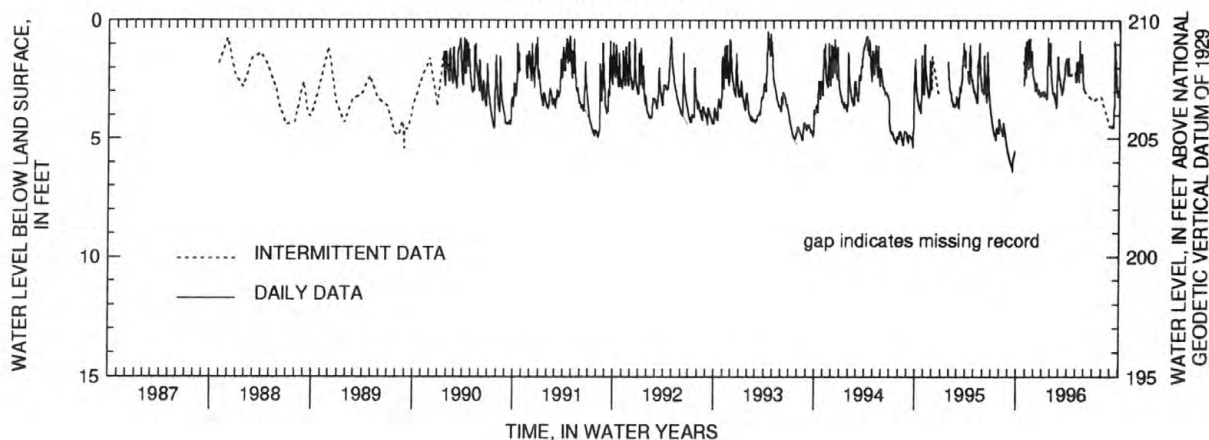
DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.41	2.52	3.03	2.41	2.40	2.32	1.84	---	---	---	---
2	---	1.67	2.75	3.02	2.52	2.46	1.94	1.70	---	---	---	---
3	---	.85	2.82	2.99	2.68	2.46	1.54	2.07	---	---	---	4.54
4	---	1.15	2.88	3.05	2.81	2.57	1.84	2.15	---	---	---	4.45
5	---	1.69	2.99	3.09	2.91	2.74	m2.34	1.86	---	---	---	4.51
6	---	2.04	2.84	3.15	3.03	2.78	---	1.88	---	---	---	4.54
7	---	2.00	2.83	3.12	3.10	2.85	---	2.18	---	---	---	4.58
8	---	.79	2.94	2.98	3.10	2.80	---	2.36	---	---	---	4.60
9	---	1.43	2.96	3.11	3.07	2.96	---	2.56	---	---	---	4.53
10	---	1.93	2.68	3.16	3.10	3.11	---	2.63	---	---	---	4.48
11	---	2.05	2.70	3.23	3.02	3.10	---	2.54	---	---	---	4.45
12	---	1.11	2.86	3.19	3.14	3.03	---	.84	---	---	---	4.49
13	---	1.26	2.99	3.07	3.21	3.03	---	1.12	---	---	---	4.41
14	---	1.62	3.00	3.19	3.26	2.98	---	1.64	---	---	---	3.02
15	---	.73	3.03	3.32	3.37	2.80	---	1.99	---	---	---	.89
16	---	.99	3.09	3.32	3.41	2.61	---	2.20	---	---	---	.85
17	---	1.43	3.09	3.18	3.35	2.56	---	2.14	---	---	---	1.33
18	---	1.79	3.09	3.01	3.54	2.51	---	2.06	---	---	---	1.62
19	---	1.92	3.09	1.19	3.67	2.45	---	1.95	---	---	---	1.72
20	---	1.97	2.98	.70	3.66	2.16	---	1.41	---	---	---	2.11
21	---	1.27	2.99	1.42	3.23	1.92	---	1.43	---	---	---	2.38
22	---	1.35	3.15	1.77	2.71	1.84	---	1.70	---	---	---	2.57
23	---	1.71	3.19	1.91	2.40	1.70	---	2.03	---	---	---	2.72
24	---	2.01	3.15	1.39	1.99	1.89	---	2.31	---	---	---	2.90
25	---	2.17	3.11	.96	1.51	1.97	---	2.52	---	---	---	3.02
26	m2.65	2.25	3.05	1.75	1.95	1.69	m2.17	2.69	---	---	---	3.10
27	2.75	2.38	3.11	1.45	2.18	1.58	2.27	2.84	---	---	---	3.17
28	1.72	2.41	3.16	.91	2.11	1.86	2.46	m2.94	m3.39	---	---	3.16
29	1.11	2.49	3.15	1.65	2.32	2.01	2.58	---	---	m3.21	---	3.13
30	1.85	2.57	3.09	1.93	---	2.15	2.58	---	---	---	m4.53	3.18
31	2.21	---	3.03	2.18	---	2.23	---	---	---	---	---	---
LOW	---	2.57	3.19	3.32	3.67	3.11	---	---	---	---	---	---
HIGH	---	.73	2.52	.70	1.51	1.58	---	---	---	---	---	---

WTR YR 1996 HIGHEST 0.70 JAN 20 LOWEST 4.60 SEPT 8

m Measured

KW 881
441533069452401



KENNEBEC COUNTY--Continued

442233069490701 Local number, KW 882

LOCATION.--Lat 44°22'33", long 69°49'07", Hydrologic Unit 01030003, about 4.5 mi northwest of Augusta. Owner: U.S. Geological Survey.
AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 16 ft, screened depth 11 to 16 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements Oct. 1, 1995 to Apr. 24, 1996. Monthly measurement with chalked steel tape by USGS personnel May 1996 through Sept. 1996.

DATUM.--Elevation of land-surface datum is 208 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.03 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.60 ft below land-surface datum, Dec. 27, 1989; lowest recorded, 6.56 ft below land-surface datum, Oct. 29, 1991.

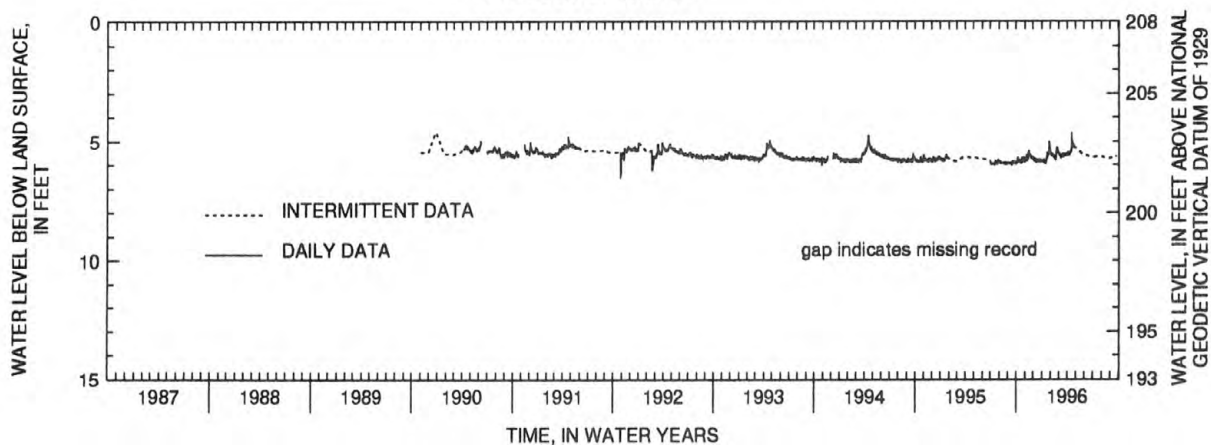
**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.91	5.86	5.72	5.83	5.48	5.52	5.57	---	---	---	---	---
2	5.90	5.76	5.76	5.83	5.51	5.52	5.51	---	---	---	---	---
3	5.93	5.70	5.79	5.84	5.53	5.51	5.48	---	---	---	---	---
4	5.90	5.74	5.76	5.86	5.56	5.57	5.52	---	---	---	---	---
5	5.91	5.80	5.80	5.87	5.58	5.58	5.56	---	---	---	---	---
6	5.72	5.82	5.76	5.89	5.61	5.57	5.57	---	---	---	---	---
7	5.71	5.78	5.79	5.88	5.60	5.59	5.55	---	---	---	---	---
8	5.75	5.56	5.83	5.82	5.57	5.56	5.53	---	---	---	---	---
9	5.83	5.72	5.84	5.84	5.56	5.63	5.55	---	---	---	---	---
10	5.87	5.79	5.75	5.87	5.62	5.69	5.48	---	---	---	---	---
11	5.87	5.76	5.80	5.90	5.60	5.67	5.50	---	---	---	---	---
12	5.87	5.61	5.85	5.86	5.64	5.61	5.46	---	---	---	---	---
13	5.88	5.69	5.88	5.81	5.67	5.59	5.46	---	---	---	---	---
14	5.87	5.72	5.86	5.86	5.67	5.59	5.47	---	---	---	---	---
15	5.78	5.38	5.83	5.90	5.69	5.57	5.45	---	---	---	---	---
16	5.85	5.44	5.83	5.89	5.69	5.58	5.38	---	---	---	---	---
17	5.93	5.56	5.82	5.84	5.63	5.61	4.64	---	---	---	---	---
18	5.90	5.62	5.82	5.84	5.71	5.64	4.91	---	---	---	---	---
19	5.93	5.63	5.81	5.70	5.78	5.65	5.07	---	---	---	---	---
20	5.93	5.63	5.77	5.46	5.76	5.57	5.12	---	---	---	---	---
21	5.85	5.59	5.77	5.58	5.67	5.54	5.12	---	---	---	---	---
22	5.68	5.63	5.84	5.60	5.46	5.55	5.20	---	---	---	---	---
23	5.80	5.68	5.85	5.61	5.40	5.57	5.17	---	---	---	---	---
24	5.82	5.73	5.83	5.54	5.31	5.61	m5.21	---	---	---	---	---
25	5.84	5.73	5.81	5.46	5.25	5.59	---	---	---	---	---	m5.63
26	5.87	5.69	5.80	5.57	5.39	5.55	---	---	---	---	---	---
27	5.87	5.70	5.84	5.44	5.45	5.57	---	---	---	---	---	---
28	5.68	5.69	5.85	5.01	5.41	5.59	---	m5.55	m5.67	---	m5.74	---
29	5.70	5.75	5.85	5.25	5.49	5.56	---	---	---	---	---	---
30	5.82	5.77	5.84	5.30	---	5.56	---	---	---	---	---	---
31	5.85	---	5.82	5.39	---	5.56	---	---	---	m5.65	---	---
LOW	5.93	5.86	5.88	5.90	5.78	5.69	---	---	---	---	---	---
HIGH	5.68	5.38	5.72	5.01	5.25	5.51	---	---	---	---	---	---

WTR YR 1996 HIGHEST 4.64 APR 17 LOWEST 5.93 OCT 3, 17, 19-20

m Measured

KW 882
442233069490701



OXFORD COUNTY

443647070552302 Local number, OW 400A

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

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 23.6 ft, screened depth 18.6 to 23.6 ft, screen slot size 0.006 in.

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

DATUM.--Elevation of land-surface datum is 1,444 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.50 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.29 ft below land-surface datum, Apr. 16, 1994; lowest measured, 13.90 ft below land-surface datum, Oct. 8, 1995.

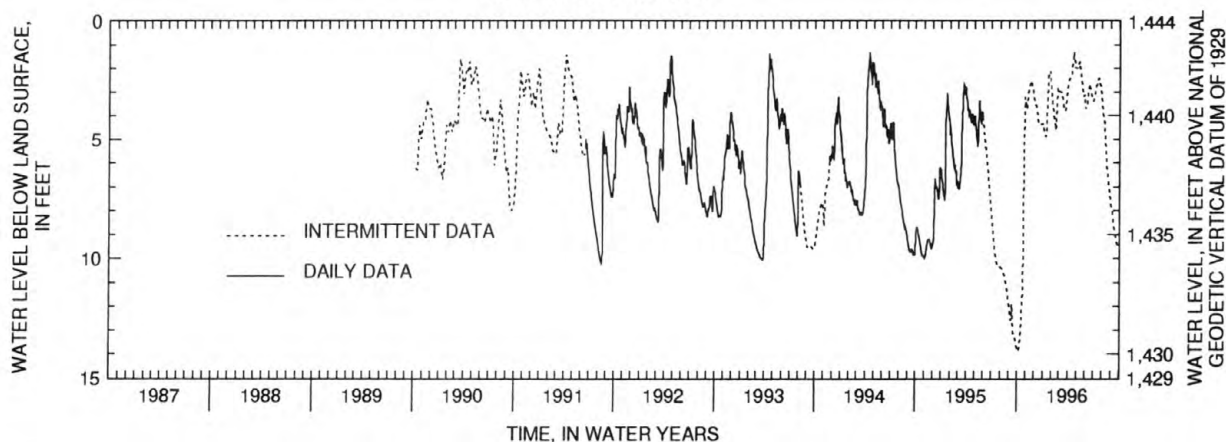
**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	m13.70	---	---	---	---	---	---	---	---	---	---	m7.60
2	---	---	---	---	---	---	---	---	m3.70	---	---	---
3	---	---	m3.50	---	---	m3.00	---	---	---	---	---	---
4	---	---	---	---	m3.20	---	---	---	---	---	m3.80	---
5	---	m3.70	---	---	---	---	---	m2.00	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	m4.70	---	---	m2.40	---	---	m3.10	---	---
8	m13.90	---	---	---	---	---	---	---	---	---	---	m8.10
9	---	---	---	---	---	---	---	---	m3.60	---	---	---
10	---	---	m3.60	---	---	m3.00	---	---	---	---	---	---
11	---	---	---	---	m4.00	---	---	---	---	---	m4.30	---
12	---	m2.90	---	---	---	---	---	m1.70	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	m4.90	---	---	m2.30	---	---	m2.60	---	---
15	m13.00	---	---	---	---	---	---	---	---	---	---	m8.90
16	---	---	---	---	---	---	---	---	m2.65	---	---	---
17	---	---	m4.30	---	---	m3.60	---	---	---	---	---	---
18	---	---	---	---	m4.60	---	---	---	---	---	m6.00	---
19	---	m2.50	---	---	---	---	---	m2.40	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	m2.30	---	---	m1.30	---	---	m2.40	---	---
22	m11.30	---	---	---	---	---	---	---	---	---	---	m9.20
23	---	---	---	---	---	---	---	---	m3.00	---	---	---
24	---	---	m4.40	---	---	m3.80	---	---	---	---	---	---
25	---	---	---	---	m2.80	---	---	---	---	---	m6.70	---
26	---	m2.90	---	---	---	---	---	m3.20	---	---	---	---
27	---	m2.94	---	---	---	---	---	---	---	---	---	---
28	---	---	---	m2.10	---	---	m2.00	---	---	m2.80	---	---
29	m3.20	---	---	---	---	---	---	---	---	---	---	m9.60
30	---	---	---	---	---	---	---	---	m3.40	---	---	---
31	---	---	m4.40	---	---	m2.80	---	m3.11	---	---	---	---
LOW	---	---	---	---	---	---	---	---	---	---	---	---
HIGH	---	---	---	---	---	---	---	---	---	---	---	---

WTR YR 1996 HIGHEST 1.30 APR 21 LOWEST 13.90 OCT 8

m Measured

OW 400A
443647070552302



OXFORD COUNTY--Continued

440642070583402 Local number, OW 615A

LOCATION.--Lat 44°06'42", long 70°58'34", Hydrologic Unit 01060002, at the intersection of State Highway 113 and the road to Fish Street, Fryeburg. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (outwash) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 32 ft, screened depth 26.6 to 31.6 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 390 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.48 ft above land-surface datum.

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

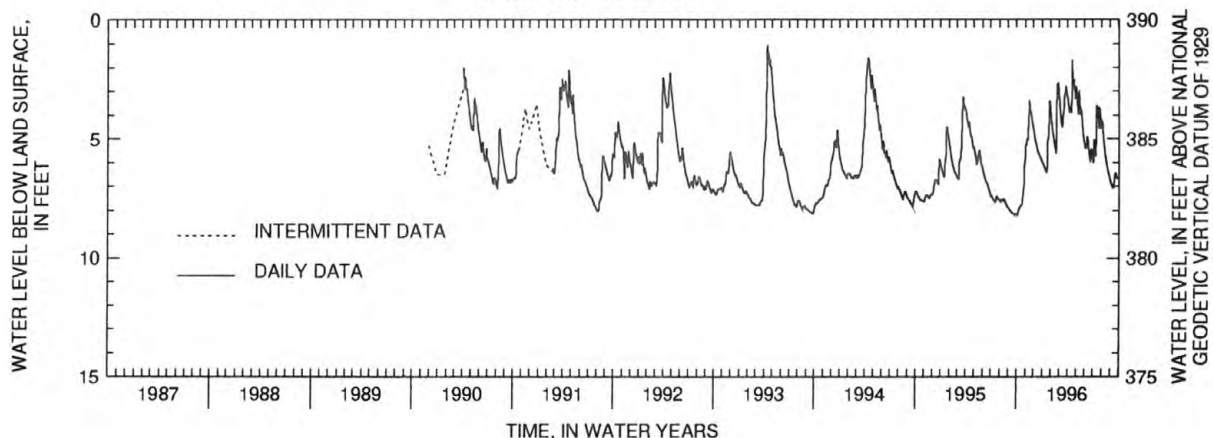
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.06 ft below land-surface datum, Apr. 13, 1993; lowest recorded, 8.19 ft below land-surface datum, Oct. 3, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.16	5.83	4.58	5.99	3.87	2.90	3.32	2.77	5.19	5.89	4.43	6.69
2	8.18	5.71	4.71	6.01	4.00	3.09	3.29	2.87	5.30	5.96	4.51	6.75
3	8.19	5.37	4.79	6.03	4.14	3.26	3.32	3.13	5.40	6.02	4.60	6.79
4	8.18	5.16	4.86	6.06	4.27	3.51	3.49	3.21	5.43	5.97	4.22	6.85
5	8.18	5.12	4.94	6.09	4.38	3.68	3.64	3.18	5.38	5.21	4.28	6.86
6	8.13	5.18	4.97	6.14	4.52	3.83	3.77	3.40	5.32	5.01	4.49	6.89
7	8.05	5.19	5.03	6.13	4.65	3.97	3.84	3.58	5.39	5.07	4.67	6.93
8	8.01	4.99	5.12	6.16	4.71	4.04	3.87	3.74	5.44	5.18	4.81	6.99
9	7.96	4.96	5.15	6.20	4.79	4.20	3.87	3.90	5.22	5.32	4.96	7.01
10	7.92	5.04	5.18	6.23	4.90	4.33	3.85	3.97	4.95	5.47	5.07	7.03
11	7.90	5.08	5.25	6.28	4.94	4.39	3.81	3.84	4.89	5.60	5.21	7.04
12	7.86	4.67	5.33	6.29	5.02	4.44	3.70	3.06	4.94	5.74	5.34	7.05
13	7.84	4.37	5.40	6.29	5.11	4.47	3.85	3.04	5.09	5.75	5.45	7.06
14	7.84	4.36	5.43	6.34	5.17	4.48	3.90	3.31	5.22	5.99	5.55	7.04
15	7.82	3.80	5.48	6.37	5.27	4.34	3.82	3.52	5.35	5.73	5.66	6.98
16	7.82	3.38	5.52	6.41	5.35	4.08	3.34	3.70	5.49	5.58	5.75	6.90
17	7.80	3.53	5.55	6.40	5.37	4.00	1.65	3.83	5.58	5.77	5.82	6.72
18	7.79	3.71	5.59	6.40	5.48	3.93	2.02	3.98	5.68	4.02	5.91	6.58
19	7.76	3.81	5.62	6.23	5.58	3.80	2.26	3.88	5.77	4.15	5.98	6.49
20	7.74	3.87	5.61	5.32	5.63	3.58	2.42	3.73	5.87	3.69	6.07	6.46
21	7.73	3.85	5.64	5.08	5.38	3.28	2.57	3.83	5.93	3.82	6.13	6.45
22	7.57	3.86	5.69	5.01	3.84	3.10	2.80	4.04	5.94	4.10	6.19	6.49
23	7.44	3.92	5.73	5.00	3.30	3.04	2.89	4.20	5.71	4.30	6.25	6.53
24	7.34	4.07	5.77	4.90	2.93	3.15	2.49	4.36	5.54	4.45	6.31	6.58
25	7.26	4.18	5.77	4.40	2.72	3.06	2.75	4.52	5.47	4.60	6.37	6.65
26	7.21	4.26	5.79	4.37	2.73	2.81	2.93	4.66	5.42	4.52	6.41	6.67
27	7.15	4.35	5.82	4.17	2.79	2.78	2.90	4.78	5.49	3.75	6.46	6.67
28	6.80	4.44	5.88	3.39	2.61	2.96	3.09	4.90	5.62	3.77	6.53	6.67
29	6.27	4.44	5.89	3.45	2.66	3.04	3.26	5.00	5.75	4.00	6.56	6.68
30	6.03	4.51	5.93	3.54	---	3.11	3.25	5.09	5.84	4.19	6.60	6.68
31	5.90	---	5.93	3.71	---	3.23	---	5.14	---	4.34	6.65	---
LOW	8.19	5.83	5.93	6.41	5.63	4.48	3.90	5.14	5.94	6.02	6.65	7.06
HIGH	5.90	3.38	4.58	3.39	2.61	2.78	1.65	2.77	4.89	3.58	4.22	6.45

WTR YR 1996 HIGHEST 1.65 APR 17 LOWEST 8.19 OCT 3

**OW 615A
440642070583402**



OXFORD COUNTY--Continued

442515070481002 Local number, OW 616A

LOCATION.--Lat 44°25'15", long 70°48'10", Hydrologic Unit 01040002, at Bethel Airport, Bethel. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (outwash) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation water-table well, diameter 2 in., depth 27 ft; screened depth 16.9 to 21.9 ft, screen slot size 0.008 in; screened depth 21.9 to 26.9 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 650 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.05 ft above land-surface datum.

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

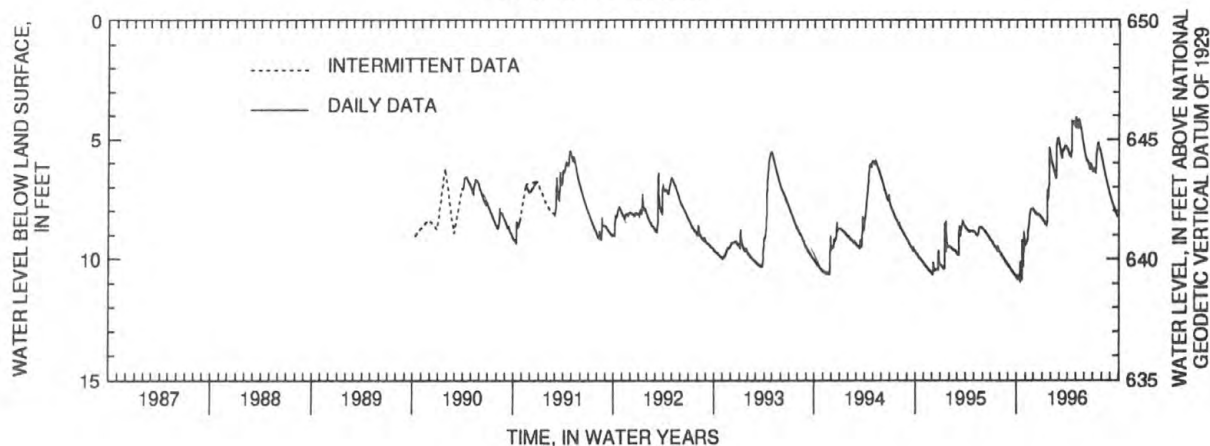
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.06 ft below land-surface datum, May 2, 1996; lowest recorded, 10.86 ft below land-surface datum, Oct. 14, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.71	9.41	7.91	8.31	5.70	5.05	5.43	4.13	5.43	6.30	5.64	7.28
2	10.73	9.40	7.96	8.33	5.76	5.10	5.43	4.06	5.48	6.33	5.71	7.32
3	10.76	9.37	7.98	8.33	5.83	5.17	5.40	4.14	5.55	6.36	5.77	7.37
4	10.77	9.34	8.00	8.35	5.90	5.28	5.44	4.15	5.61	6.34	5.82	7.42
5	10.79	9.32	8.03	8.37	5.95	5.34	5.49	4.15	5.65	6.23	5.88	7.45
6	10.71	9.29	8.03	8.39	6.01	5.40	5.56	4.23	5.72	6.22	5.94	7.49
7	10.62	9.27	8.05	8.42	6.06	5.48	5.58	4.31	5.77	6.22	6.01	7.54
8	10.69	9.24	8.08	8.42	6.08	5.52	5.60	4.39	5.82	6.22	6.06	7.57
9	10.73	9.23	8.09	8.43	6.11	5.61	5.66	4.47	5.86	6.26	6.11	7.61
10	10.78	9.20	8.08	8.44	6.18	5.70	5.65	4.55	5.88	6.32	6.18	7.65
11	10.79	9.17	8.11	8.48	6.21	5.75	5.70	4.52	5.87	6.38	6.25	7.69
12	10.81	8.93	8.11	8.49	6.27	5.77	5.69	4.20	5.89	6.41	6.29	7.74
13	10.84	8.70	8.14	8.48	6.31	5.76	5.70	4.12	5.92	6.41	6.36	7.77
14	10.86	8.63	8.13	8.49	6.37	5.52	5.71	4.18	5.94	6.40	6.40	7.80
15	10.10	8.55	8.12	8.54	6.42	5.42	5.72	4.25	5.96	6.44	6.44	7.83
16	10.38	8.42	8.13	8.55	6.46	5.38	5.52	4.32	6.00	6.48	6.50	7.86
17	10.60	8.27	8.13	8.57	6.50	5.47	4.36	4.39	6.05	6.52	6.55	7.90
18	10.70	8.15	8.13	8.59	6.54	5.44	4.23	4.47	6.10	6.52	6.60	7.92
19	10.79	8.06	8.15	8.42	6.61	5.41	4.24	4.50	6.14	6.57	6.66	7.95
20	10.83	7.99	8.13	7.12	6.66	5.36	4.27	4.53	6.18	6.57	6.72	7.97
21	10.84	7.96	8.13	7.36	6.57	5.36	4.32	4.59	6.24	6.56	6.76	8.00
22	9.20	7.91	8.15	7.43	5.44	5.27	4.36	4.68	6.28	6.52	6.82	8.03
23	9.86	7.90	8.17	7.45	5.13	5.28	4.36	4.76	5.99	6.55	6.86	8.05
24	10.13	7.91	8.17	7.38	5.01	5.35	4.23	4.86	6.07	6.51	6.91	8.08
25	10.23	7.91	8.19	6.92	4.96	5.39	4.23	4.93	6.08	6.59	6.95	8.12
26	10.27	7.91	8.21	6.99	5.01	5.31	4.25	5.01	6.07	6.43	7.01	8.16
27	10.31	7.91	8.21	6.57	5.07	5.27	4.30	5.09	6.12	6.41	7.05	8.18
28	8.89	7.91	8.24	5.34	4.92	5.29	4.36	5.17	6.16	6.44	7.10	8.21
29	8.85	7.93	8.25	5.54	4.92	5.31	4.42	5.24	6.20	6.48	7.14	8.23
30	9.27	7.92	8.25	5.56	---	5.36	4.44	5.31	6.26	6.55	7.20	8.25
31	9.38	---	8.29	5.60	---	5.41	---	5.37	---	6.60	7.24	---
LOW	10.86	9.41	8.29	8.59	6.66	5.77	5.72	5.37	6.28	6.41	7.24	8.25
HIGH	8.85	7.90	7.91	5.34	4.92	5.05	4.23	4.06	5.43	5.16	5.64	7.28

WTR YR 1996 HIGHEST 4.06 MAY 2 LOWEST 10.86 OCT 14

OW 616A
442515070481002



OXFORD COUNTY--Continued

440823070291501 Local number, OW 1214

LOCATION.--Lat 44°08'23", long 70°29'15", Hydrologic Unit 01040002, on State Highway 121, about 0.1 mi east of the intersection with Skeetfield Road, in Oxford. Owner: U.S. Geological Survey.

AQUIFER.--Stratified sand (outwash) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unconfined observation well, diameter 6 in., Sept. 1980 constructed depth 39 ft, cased with 6-in. steel to 35 ft, screened 35 to 39 ft, screen slot size 0.010 in., November 1982 measured depth 38 ft.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 334 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Electric tape gage index, at land surface datum, which is 1.2 ft above the general land surface.

PERIOD OF RECORD.--September 1980 to current year.

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

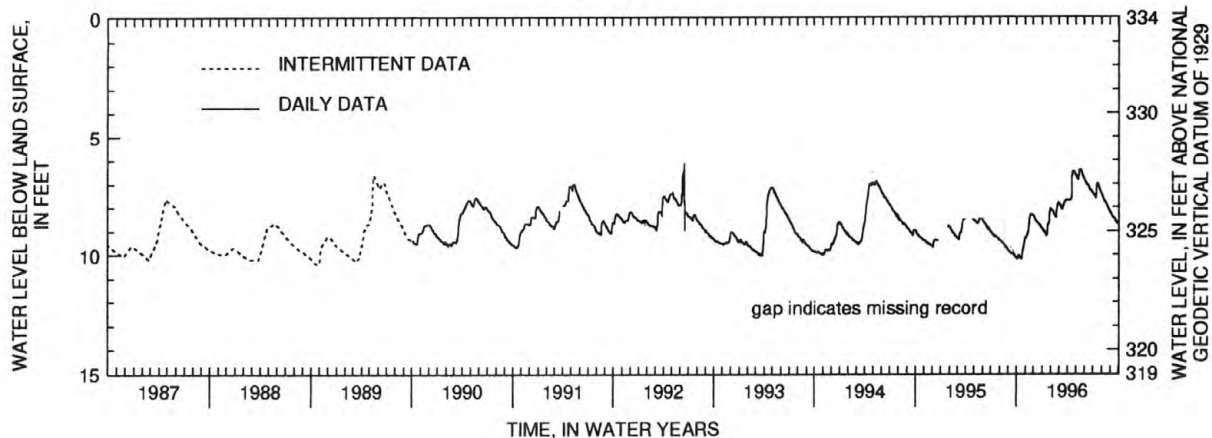
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.87 ft below land-surface datum, May 15, 1984; lowest recorded, 10.37 ft below land-surface datum, Oct. 20-22, 1988.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.16	9.32	8.37	8.91	8.08	7.83	7.71	6.61	6.83	7.40	7.40	8.21
2	10.16	9.27	8.38	8.92	8.09	7.83	7.71	6.66	6.85	7.43	7.43	8.23
3	10.18	9.24	8.43	8.93	8.10	7.83	7.69	6.71	6.87	7.44	7.47	8.25
4	10.19	9.30	8.43	8.94	8.11	7.87	7.69	6.72	6.88	7.43	7.51	8.28
5	10.19	9.30	8.46	8.96	8.12	7.89	7.70	6.73	6.90	7.46	7.54	8.30
6	10.14	9.25	8.49	8.98	8.16	7.91	7.70	6.75	6.92	7.49	7.56	8.32
7	10.05	9.21	8.51	8.99	8.16	7.93	7.70	6.78	6.94	7.52	7.59	8.35
8	10.03	9.18	8.54	8.99	8.17	7.93	7.70	6.80	6.97	7.54	7.62	8.37
9	10.03	9.17	8.55	9.02	8.18	7.98	7.71	6.80	7.02	7.55	7.64	8.38
10	10.05	9.15	8.56	9.03	8.21	8.04	7.68	6.81	7.01	7.57	7.69	8.39
11	10.05	9.10	8.59	9.04	8.23	8.07	7.69	6.80	7.03	7.60	7.75	8.41
12	10.07	9.05	8.61	9.06	8.27	8.07	7.71	6.66	7.05	7.63	7.74	8.43
13	10.09	8.99	8.63	9.06	8.29	8.09	7.71	6.48	7.05	7.63	7.73	8.45
14	10.13	8.89	8.63	9.08	8.31	8.09	7.66	6.43	7.06	7.28	7.74	8.45
15	10.12	8.77	8.64	9.11	8.35	8.06	7.64	6.42	7.09	7.09	7.76	8.45
16	10.13	8.64	8.66	9.12	8.37	7.99	7.59	6.42	7.13	7.01	7.79	8.46
17	10.16	8.50	8.67	9.14	8.37	7.95	7.08	6.43	7.15	6.98	7.82	8.48
18	10.17	8.44	8.69	9.16	8.40	7.93	6.64	6.46	7.18	6.98	7.85	8.49
19	10.17	8.38	8.70	9.15	8.44	7.91	6.54	6.45	7.20	6.98	7.88	8.52
20	10.17	8.36	8.71	8.91	8.45	7.86	6.51	6.44	7.22	6.99	7.91	8.53
21	10.16	8.33	8.72	8.78	8.45	7.78	6.50	6.46	7.24	7.03	7.94	8.55
22	9.99	8.32	8.75	8.75	8.29	7.76	6.52	6.50	7.26	7.09	7.96	8.57
23	9.84	8.34	8.76	8.73	8.11	7.75	6.52	6.55	7.26	7.14	7.99	8.60
24	9.76	8.35	8.77	8.71	8.00	7.76	6.49	6.59	7.28	7.18	8.01	8.62
25	9.73	8.36	8.79	8.67	7.93	7.75	6.50	6.63	7.28	7.21	8.04	8.63
26	9.75	8.36	8.81	8.65	7.90	7.74	6.50	6.66	7.31	7.23	8.07	8.65
27	9.69	8.37	8.82	8.59	7.88	7.72	6.51	6.69	7.34	7.26	8.09	8.67
28	9.63	8.33	8.84	8.28	7.84	7.71	6.57	6.72	7.35	7.29	8.11	8.69
29	9.54	8.35	8.86	8.15	7.82	7.68	6.60	6.75	7.36	7.33	8.14	8.69
30	9.43	8.36	8.87	8.09	---	7.69	6.61	6.75	7.38	7.35	8.16	8.71
31	9.35	---	8.89	8.07	---	7.69	---	6.78	---	7.38	8.18	---
LOW	10.19	9.32	8.89	9.16	8.45	8.09	7.71	6.81	7.38	7.63	8.18	8.71
HIGH	9.35	8.32	8.37	8.07	7.82	7.68	6.49	6.42	6.83	6.98	7.40	8.21

WTR YR 1996 HIGHEST 6.42 MAY 15-16 LOWEST 10.19 OCT 4-5

**OW 1214
440823070291501**



GROUND-WATER RECORDS

PENOBSCOT COUNTY

445319068560101 Local number, PEW 456

LOCATION.--Lat 44°53'19", long 68°56'01", Hydrologic Unit 01020005, on Kenduskeag-Levant Road, 2.5 mi south of Kenduskeag, near Kenduskeag-Levant town line, Kenduskeag. Owner: Clarence W. Parker, Jr.

AQUIFER.--Bedrock of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 98 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 190 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of fiberglass shelter, 0.37 ft above land-surface datum, which is 4.3 ft above the general land surface.

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

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

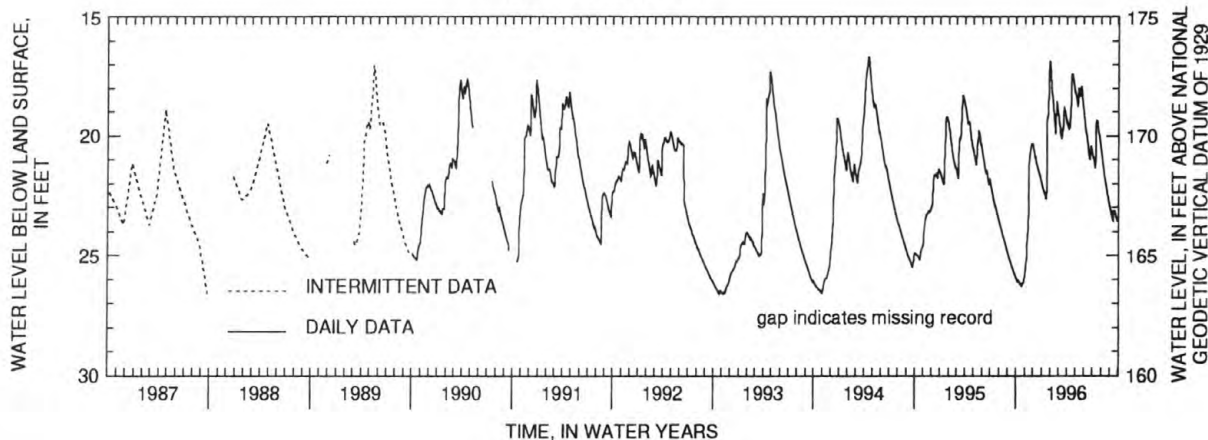
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.92 ft below land-surface datum, Apr. 26, 1983; lowest recorded, 26.91 ft below land-surface datum, Sept. 30, 1987.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.92	25.86	20.38	21.96	17.08	19.02	19.44	18.15	18.98	20.65	20.43	22.89
2	25.95	25.82	20.49	21.99	17.21	19.08	19.46	18.20	19.12	20.73	20.51	22.94
3	25.98	25.73	20.57	22.05	17.41	19.14	19.42	18.29	19.24	20.82	20.61	23.00
4	26.01	25.57	20.59	22.11	17.64	19.32	19.45	18.29	19.33	20.89	20.71	23.05
5	26.05	25.43	20.71	22.17	17.83	19.40	19.54	18.32	19.45	20.91	20.81	23.11
6	26.08	25.33	20.67	22.21	18.03	19.48	19.59	18.39	19.56	20.93	20.90	23.17
7	26.07	25.25	20.76	22.24	18.19	19.58	19.64	18.46	19.67	20.97	21.00	23.22
8	26.03	25.13	20.87	22.24	18.29	19.61	19.66	18.54	19.77	21.03	21.10	23.27
9	26.03	24.80	20.91	22.29	18.38	19.78	19.69	18.67	19.88	21.09	21.18	23.32
10	26.04	24.50	20.87	22.34	18.52	19.93	19.62	18.76	19.89	21.17	21.26	23.38
11	26.07	24.28	20.96	22.39	18.59	19.98	19.64	18.81	19.95	21.26	21.36	23.42
12	26.10	24.12	21.06	22.42	18.76	20.01	19.63	18.56	20.04	21.33	21.45	23.49
13	26.12	23.93	21.14	22.39	18.91	20.08	19.42	18.14	20.12	21.37	21.53	23.52
14	26.14	23.69	21.17	22.48	19.05	20.09	19.13	17.98	20.20	20.61	21.64	23.54
15	26.15	23.33	21.20	22.55	19.20	19.99	18.95	18.06	20.30	19.55	21.71	23.34
16	26.16	21.88	21.27	22.61	19.33	19.76	18.71	18.15	20.43	19.38	21.78	23.13
17	26.18	21.12	21.30	22.59	19.37	19.70	18.09	18.22	20.53	19.36	21.85	23.14
18	26.20	20.95	21.34	22.61	19.57	19.72	17.43	18.30	20.64	19.39	21.94	23.13
19	26.21	20.83	21.39	22.35	19.80	19.68	17.39	18.36	20.73	19.41	22.02	23.16
20	26.23	20.74	21.37	20.41	19.90	19.50	17.40	18.30	20.82	19.39	22.09	23.19
21	26.26	20.83	21.38	19.30	19.90	19.08	17.41	18.11	20.91	19.49	22.15	23.22
22	26.27	20.52	21.49	19.17	19.47	18.83	17.48	17.95	20.95	19.61	22.22	23.27
23	26.22	20.47	21.56	19.21	19.06	18.82	17.48	17.89	20.97	19.70	22.29	23.31
24	26.18	20.47	21.60	19.17	18.86	18.91	17.49	17.96	20.81	19.80	22.36	23.35
25	26.17	20.42	21.64	18.76	18.61	18.97	17.65	18.09	20.72	19.92	22.43	23.40
26	26.16	20.35	21.67	18.43	18.63	19.01	17.73	18.23	20.53	19.98	22.50	23.45
27	26.17	20.36	21.72	18.29	18.71	19.09	17.81	18.38	20.47	19.95	22.57	23.50
28	26.17	20.35	21.80	17.31	18.73	19.15	17.95	18.54	20.49	20.05	22.63	23.52
29	26.13	20.41	21.84	16.89	18.89	19.18	18.05	18.69	20.55	20.17	22.68	23.56
30	26.01	20.40	21.87	16.84	---	19.26	18.14	18.81	20.58	20.26	22.75	23.58
31	25.92	---	21.91	16.92	---	19.35	---	18.87	---	20.34	22.83	---
LOW	26.27	25.86	21.91	22.61	19.90	20.09	19.69	18.87	20.97	21.37	22.83	23.58
HIGH	25.92	20.35	20.38	16.84	17.08	18.82	17.39	17.89	18.98	19.36	20.43	22.89

WTR YR 1996 HIGHEST 16.84 JAN 30 LOWEST 26.27 OCT 22

**PEW 456
445319068560101**



PENOBSCOT COUNTY—Continued

453629068531801 Local number, PEW 594

LOCATION.--Lat 45°36'29", long 68°53'18", Hydrologic Unit 01020001, on abandoned dirt road, about 8.0 miles southwest of Millinocket, about 0.4 miles south of South Twin Lake and east of Sandy Brook, T4 Indian Purchase. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 30.5 ft., screened depth 10.5 to 30.5 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

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

PERIOD OF RECORD.-- August 1994 to current year.

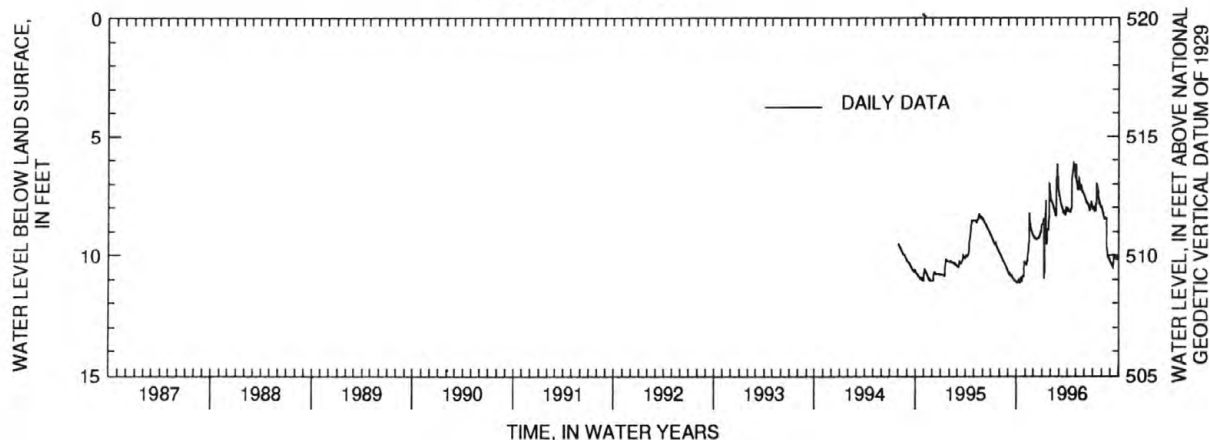
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.04 ft below land-surface datum, Apr. 24, 1996; lowest recorded, 11.14 ft below land-surface datum, Oct. 5, 6 and 14, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.09	10.27	9.16	8.71	7.56	7.27	8.12	6.39	7.49	8.00	7.95	10.21
2	11.11	10.31	9.18	8.71	7.62	7.36	8.05	6.15	7.51	8.04	7.96	10.24
3	11.12	10.32	9.21	8.69	7.68	7.44	8.00	6.49	7.58	8.05	8.01	10.26
4	11.13	10.33	9.22	8.66	7.73	7.52	8.05	6.82	7.60	8.01	8.05	10.30
5	11.14	10.35	9.24	8.64	7.75	7.58	8.11	6.97	7.63	8.00	8.12	10.32
6	11.14	10.39	9.21	8.56	7.79	7.65	8.12	7.07	7.68	8.05	8.19	10.35
7	11.08	10.42	9.24	8.44	7.81	7.71	8.12	7.13	7.72	8.11	8.25	10.38
8	11.05	10.28	9.26	8.53	7.83	7.76	8.12	7.19	7.76	8.14	8.27	10.41
9	11.02	10.09	9.27	10.97	7.87	7.83	8.15	7.24	7.79	8.13	8.31	10.40
10	11.07	10.09	9.26	10.67	7.91	7.89	8.15	7.25	7.79	7.98	8.37	10.39
11	11.08	10.11	9.28	9.92	7.94	7.93	8.17	7.26	7.80	7.93	8.46	10.43
12	11.10	10.04	9.29	9.28	8.00	7.97	8.18	6.83	7.81	8.07	8.51	10.46
13	11.13	9.74	9.30	8.98	8.04	8.00	8.13	6.70	7.83	8.15	8.46	10.47
14	11.14	9.77	9.29	8.38	8.09	8.03	8.07	6.92	7.85	7.14	8.45	10.37
15	11.08	9.44	9.28	7.66	8.13	8.06	8.07	7.04	7.88	6.94	8.45	9.99
16	10.95	8.31	9.29	9.46	8.16	8.09	7.99	7.13	7.93	7.04	8.44	9.94
17	10.93	8.20	9.29	9.48	8.19	8.13	7.15	7.20	7.98	6.97	8.44	10.02
18	10.97	8.41	9.28	9.49	8.24	8.18	6.74	7.24	8.03	7.19	8.42	10.09
19	11.00	8.57	9.25	9.45	8.31	8.22	6.70	7.27	8.06	7.34	8.42	10.12
20	11.03	8.68	9.22	8.97	8.34	8.20	6.57	7.14	8.09	7.23	8.48	10.13
21	11.05	8.80	9.20	8.87	8.29	8.14	6.39	7.00	8.07	7.37	9.60	10.13
22	10.98	8.85	9.23	8.90	7.41	8.14	6.27	7.13	7.99	7.53	9.95	10.12
23	10.85	8.90	9.26	8.93	6.70	8.19	6.19	7.24	7.97	7.65	10.00	10.10
24	10.82	8.96	9.20	8.94	6.55	8.26	6.04	7.28	7.92	7.76	10.02	10.11
25	10.85	8.99	9.10	8.57	6.15	8.28	6.14	7.31	7.88	7.84	10.05	10.13
26	10.89	9.02	9.01	8.48	6.27	8.29	6.37	7.33	7.73	7.81	10.07	10.15
27	10.92	9.05	9.01	8.42	6.63	8.08	6.28	7.36	7.81	7.80	10.10	10.17
28	10.84	9.08	9.02	7.00	6.88	7.97	6.34	7.39	7.90	7.88	10.12	10.16
29	10.34	9.11	8.94	7.01	7.10	8.05	6.60	7.42	7.98	7.96	10.14	10.10
30	10.21	9.15	8.82	7.25	--	8.08	6.76	7.43	8.02	7.94	10.15	10.05
31	10.23	--	8.73	7.43	--	8.11	--	7.43	--	7.94	10.18	--
LOW	11.14	10.42	9.30	10.97	8.34	8.29	8.18	7.43	8.09	8.15	10.18	10.47
HIGH	10.21	8.20	8.73	7.00	6.15	7.27	6.04	6.15	7.49	6.94	7.95	9.94

WTR YR 1996 HIGHEST 6.04 APR 24 LOWEST 11.14 OCT 5-6, 14

**PEW 594
453629068531801**



GROUND-WATER RECORDS

PISCATAQUIS COUNTY

452829069322101 Local number, PIW 2

LOCATION.--Lat 45°29'26", long 69°39'54", Hydrologic Unit 01030001, approximately 1.0 mi north of Greenville Junction. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--A wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 31 ft, screened depth 14 to 24 feet, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1,087 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.24 ft above land-surface datum.

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

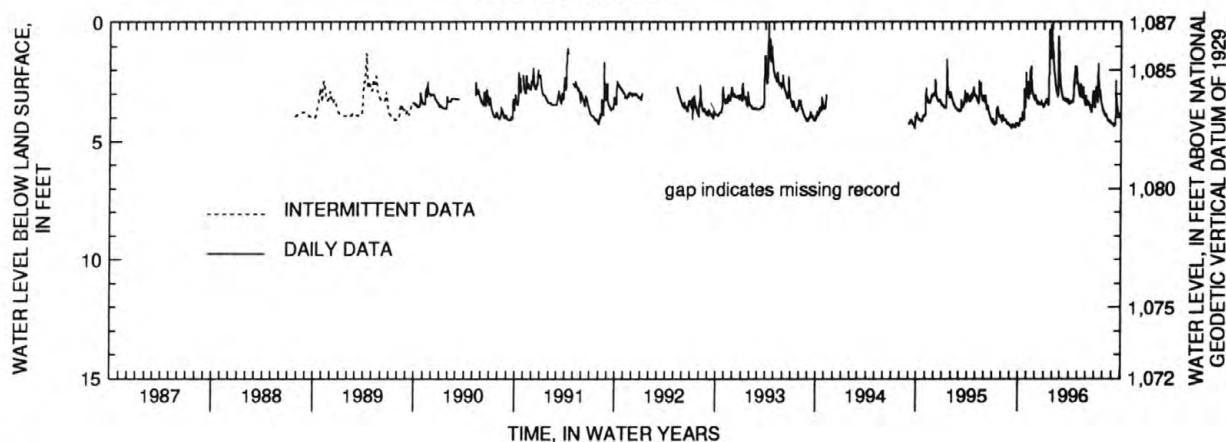
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, -0.05 ft below land-surface datum, Apr. 12, 1993; lowest recorded, 4.38 ft below land-surface datum, Sept. 23 1994 and Sept. 7, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.32	3.00	3.10	3.51	1.06	2.61	3.39	2.48	3.20	3.51	3.70	4.24
2	4.33	3.09	3.16	3.46	1.17	2.66	3.30	2.48	3.32	3.55	3.72	4.24
3	4.33	2.95	3.23	3.43	1.44	2.73	3.30	2.64	3.42	3.59	3.75	4.23
4	4.30	2.93	3.23	3.40	1.69	2.88	3.30	2.72	3.48	3.04	3.78	4.25
5	4.25	3.08	3.36	3.38	1.82	2.95	3.38	2.79	3.46	2.68	3.81	4.28
6	4.18	3.19	3.36	3.36	1.92	3.00	3.38	2.88	3.25	2.83	3.87	4.31
7	4.04	3.23	3.36	3.31	2.10	3.07	3.31	2.99	3.36	3.05	3.92	4.33
8	4.03	2.46	3.38	3.25	2.22	3.09	3.31	3.06	3.39	3.02	3.95	4.34
9	4.06	2.69	3.37	3.22	2.34	3.15	3.34	3.11	3.41	2.90	3.84	4.29
10	4.09	2.93	3.32	3.21	2.47	3.19	3.34	3.15	3.36	3.00	3.80	4.24
11	4.11	3.04	3.34	3.25	2.58	3.22	3.33	3.11	3.39	3.15	3.85	4.25
12	4.11	1.96	3.37	3.29	2.66	3.24	3.37	2.59	3.48	3.29	3.91	4.27
13	4.11	2.08	3.40	3.29	2.76	3.25	3.28	2.59	3.49	3.37	3.97	4.28
14	4.12	2.52	3.41	3.34	2.83	3.25	3.27	2.84	3.51	1.71	3.99	3.88
15	3.79	1.93	3.42	3.39	2.90	3.22	3.28	2.98	3.54	2.29	4.03	2.41
16	3.81	1.80	3.43	3.45	2.96	3.18	3.15	3.07	3.60	2.45	4.04	2.95
17	3.89	2.36	3.43	3.45	2.99	3.20	2.61	3.14	3.64	2.69	4.06	3.22
18	3.94	2.64	3.44	3.39	3.04	3.25	2.43	3.18	3.69	2.93	4.08	3.38
19	3.98	2.78	3.44	2.72	3.10	3.26	2.65	3.20	3.74	3.09	4.10	3.50
20	4.01	2.86	3.44	.29	3.15	3.23	2.47	2.82	3.78	2.81	4.13	3.61
21	4.02	2.94	3.33	.75	2.93	3.19	2.06	2.69	3.74	2.89	4.14	3.69
22	2.78	3.00	3.30	.81	.61	3.19	1.81	2.92	3.53	3.06	4.15	3.76
23	3.04	3.07	3.36	1.05	.60	3.22	1.90	3.07	3.48	3.19	4.17	3.82
24	3.28	3.14	3.39	1.41	.89	3.27	1.83	3.18	3.33	3.30	4.14	3.85
25	3.43	3.08	3.43	.85	.91	3.32	2.15	3.26	3.08	3.36	4.18	3.88
26	3.52	3.05	3.44	1.51	1.59	3.31	2.35	3.32	2.85	3.41	4.20	3.90
27	3.60	3.21	3.44	1.41	2.04	3.23	1.80	3.39	3.13	3.44	4.16	3.93
28	2.47	3.26	3.49	.07	2.32	3.19	2.05	3.43	3.31	3.49	4.18	3.96
29	2.08	3.22	3.52	.47	2.55	3.27	2.45	3.45	3.42	3.57	4.21	3.88
30	2.63	3.07	3.49	.61	---	3.37	2.61	3.28	3.51	3.61	4.23	3.81
31	2.85	---	3.50	.82	---	3.41	---	3.06	---	3.65	4.23	---
LOW	4.33	3.26	3.52	3.51	3.15	3.41	3.39	3.45	3.78	3.65	4.23	4.34
HIGH	2.08	1.80	3.10	.07	.60	2.61	1.80	2.48	2.85	1.71	3.70	2.41

WTR YR 1996 HIGHEST 0.07 JAN 28 LOWEST 4.34 SEPT 8

PIW 2
452829069322101



SOMERSET COUNTY

445148069513301 Local number, SMW 61

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

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

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

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

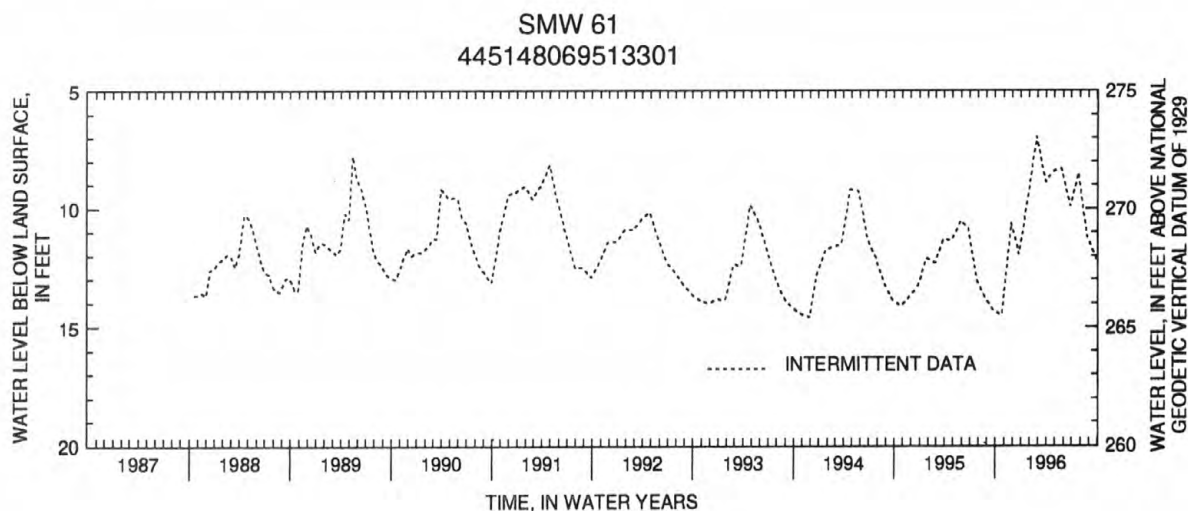
DATUM.--Elevation of land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1985 to November 1985, October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.94 ft below land-surface datum, Feb. 27, 1996; lowest measured, 14.59 ft below land-surface datum, Nov. 28, 1993.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	14.50	DEC 26	11.94	FEB 27	6.94	APR 26	8.44	JUN 27	9.90	AUG 26	11.20
NOV 28	10.60	JAN 26	9.59	MAR 30	8.88	MAY 25	8.30	JUL 26	8.50	SEP 30	12.19
WATER YEAR 1996		HIGHEST	6.94	FEB 27	LOWEST	14.50	OCT 25				



WALDO COUNTY

443407069020901 Local number, WOW 82

LOCATION.--Lat 44°34'07", long 69°02'09", Hydrologic Unit 01020005, about 3.5 mi southwest of Monroe. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 33 ft, screened depth 28 to 33 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.62 ft above land-surface datum.

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

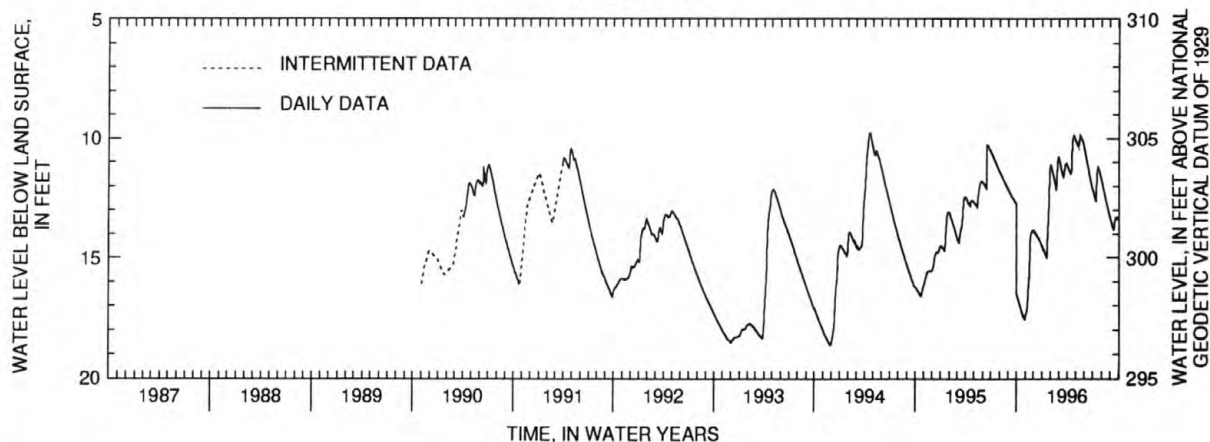
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.76 ft below land-surface datum, Apr. 19, 20, 1994; lowest recorded, 18.61 ft below land-surface datum, Nov. 29, 1993

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.52	17.49	13.84	14.51	11.14	10.82	11.15	10.10	10.41	12.12	11.68	13.29
2	16.56	17.45	13.88	14.53	11.12	10.81	11.16	10.12	10.47	12.16	11.74	13.32
3	16.59	17.39	13.91	14.54	11.15	10.84	11.17	10.15	10.52	12.20	11.80	13.38
4	16.64	17.35	13.91	14.58	11.18	10.92	11.21	10.15	10.57	12.25	11.85	13.42
5	16.68	17.30	13.93	14.63	11.22	10.99	11.25	10.17	10.62	12.29	11.91	13.47
6	16.72	17.25	13.92	14.65	11.28	11.02	11.29	10.20	10.70	12.33	11.96	13.52
7	16.76	17.20	13.95	14.68	11.32	11.08	11.32	10.22	10.75	12.39	12.02	13.55
8	16.80	17.12	13.99	14.69	11.35	11.11	11.34	10.23	10.82	12.41	12.06	13.60
9	16.84	17.03	14.01	14.72	11.39	11.20	11.37	10.26	10.89	12.45	12.11	13.64
10	16.88	16.86	13.99	14.75	11.47	11.28	11.36	10.28	10.95	12.51	12.17	13.67
11	16.91	16.61	14.02	14.78	11.51	11.34	11.41	10.30	11.01	12.56	12.23	13.72
12	16.94	16.36	14.05	14.80	11.57	11.37	11.46	10.28	11.06	12.61	12.29	13.76
13	16.99	16.16	14.07	14.81	11.64	11.42	11.48	10.25	11.12	12.65	12.33	13.80
14	17.03	16.00	14.08	14.86	11.71	11.47	11.46	10.11	11.18	12.55	12.41	13.84
15	17.06	15.84	14.11	14.90	11.78	11.50	11.45	9.99	11.24	12.13	12.45	13.86
16	17.10	15.64	14.13	14.92	11.85	11.53	11.36	9.93	11.31	11.72	12.51	13.78
17	17.14	15.19	14.16	14.95	11.87	11.56	11.12	9.88	11.36	11.47	12.56	13.65
18	17.18	14.73	14.16	14.99	11.95	11.59	10.67	9.90	11.43	11.33	12.61	13.52
19	17.22	14.40	14.18	14.97	12.04	11.60	10.35	9.92	11.49	11.25	12.66	13.42
20	17.26	14.20	14.18	14.78	12.10	11.53	10.12	9.94	11.55	11.20	12.71	13.36
21	17.29	14.06	14.19	14.34	12.14	11.45	10.00	9.97	11.60	11.24	12.76	13.31
22	17.33	13.99	14.24	13.92	12.10	11.31	9.95	10.00	11.66	11.28	12.81	13.29
23	17.37	13.94	14.27	13.66	11.95	11.20	9.89	10.04	11.71	11.30	12.84	13.28
24	17.40	13.92	14.29	13.49	11.67	11.15	9.87	10.07	11.78	11.34	12.90	13.28
25	17.43	13.91	14.31	13.29	11.38	11.11	9.90	10.09	11.81	11.37	12.94	13.29
26	17.47	13.89	14.32	12.87	11.13	11.08	9.90	10.11	11.89	11.41	13.00	13.31
27	17.47	13.88	14.37	12.49	10.95	11.09	9.94	10.14	11.94	11.45	13.05	13.34
28	17.49	13.87	14.40	12.14	10.82	11.09	10.00	10.19	12.00	11.51	13.10	13.36
29	17.51	13.89	14.43	11.64	10.80	11.05	10.05	10.23	12.04	11.55	13.15	13.38
30	17.54	13.87	14.45	11.31	---	11.09	10.08	10.28	12.08	11.60	13.18	13.41
31	17.53	---	14.48	11.17	---	11.12	---	10.34	---	11.65	13.23	---
LOW	17.54	17.49	14.48	14.99	12.14	11.60	11.48	10.34	12.08	12.65	13.23	13.86
HIGH	16.52	13.87	13.84	11.17	10.80	10.81	9.87	9.88	10.41	11.20	11.68	13.28

WTR YR 1996 HIGHEST 9.87 APR 24 LOWEST 17.54 OCT 30

**WOW 82
443407069020901**



WALDO COUNTY--Continued

442822069081301 Local number, WOW 85

LOCATION.--Lat 44°28'22", long 69°08'13", Hydrologic Unit 01050002, about 2.25 mi northeast of Morrill. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 27 ft; screened depth 17 to 22 ft, screen slot size 0.008 in; screened depth 22 to 27 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 334 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.06 ft above land-surface datum.

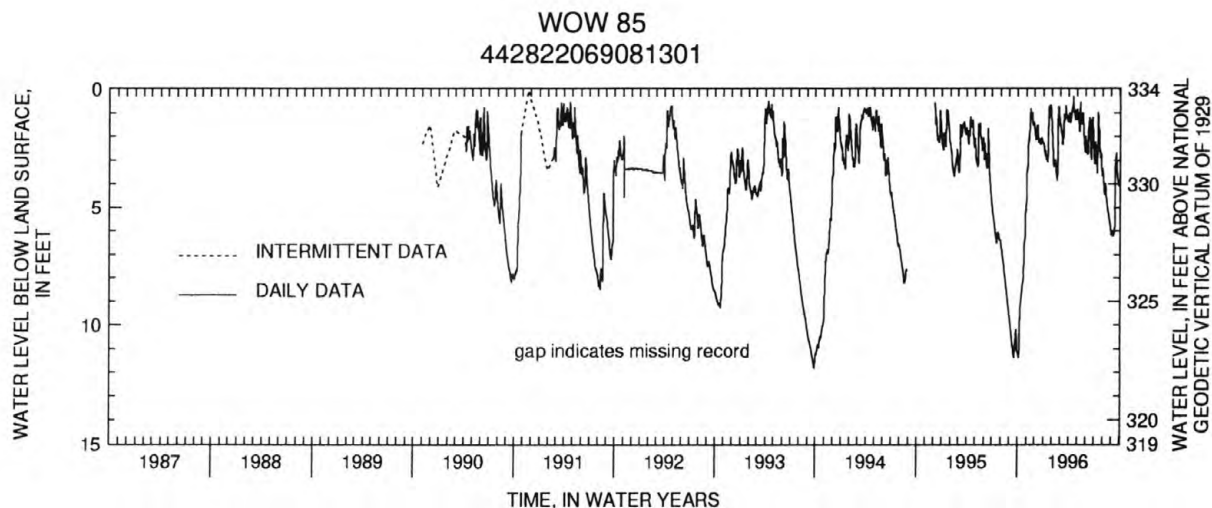
PERIOD OF RECORD.--November 1989 to current year.

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

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.14	4.81	1.71	2.32	1.68	1.53	1.42	.81	2.14	2.81	3.59	6.07
2	11.17	4.52	1.94	2.36	1.91	1.49	1.15	1.01	2.49	2.99	3.34	6.14
3	11.23	3.61	2.02	2.36	2.18	1.50	.97	1.27	2.72	3.16	3.55	6.11
4	11.29	3.26	1.99	2.51	2.48	1.78	1.15	1.04	2.44	2.66	3.75	6.02
5	11.35	3.31	2.16	2.58	2.79	1.78	1.34	1.00	2.27	2.21	3.92	5.97
6	11.34	3.34	1.84	2.70	3.08	1.81	1.38	1.23	2.33	2.35	4.09	6.01
7	10.92	3.26	1.68	2.72	3.25	1.92	1.36	1.43	2.58	2.64	4.25	6.08
8	10.27	2.03	1.92	2.59	3.24	1.84	1.30	1.54	2.77	2.85	4.36	6.16
9	9.77	1.96	2.12	2.78	3.18	2.15	1.28	1.76	2.54	2.85	4.47	6.17
10	9.43	2.15	1.55	2.87	3.19	2.35	.95	1.75	2.08	2.96	4.19	6.11
11	9.18	2.14	1.48	2.98	2.95	2.27	1.06	1.29	1.40	3.24	3.93	6.06
12	9.00	1.79	1.78	2.93	3.03	2.10	.85	.52	1.35	3.47	4.06	6.11
13	8.91	1.67	2.05	2.73	3.08	1.89	.76	.97	1.67	3.56	4.20	6.07
14	8.83	1.76	2.14	2.90	3.20	1.49	.90	1.24	1.82	.96	4.40	5.76
15	8.70	.83	2.22	3.05	3.44	1.16	.77	1.39	1.20	1.07	4.56	4.52
16	8.48	.80	2.27	3.04	3.53	1.03	.65	1.49	1.61	1.16	4.67	3.24
17	8.38	1.04	2.21	2.72	3.39	1.20	.29	1.32	1.95	1.47	4.78	2.98
18	8.25	1.21	2.20	2.14	3.67	1.22	.68	1.22	2.32	1.82	4.90	2.93
19	8.17	1.23	2.22	1.45	3.87	1.16	.90	1.32	2.63	2.05	5.04	2.66
20	8.14	1.19	2.12	.72	3.75	.81	.98	.97	2.87	1.66	5.10	2.91
21	8.07	.96	2.08	.94	3.24	.68	.93	1.02	2.97	1.99	5.16	3.16
22	7.83	1.03	2.31	1.07	1.56	.87	1.12	1.20	2.20	2.40	5.24	3.39
23	7.20	1.27	2.31	1.16	1.12	1.01	.95	1.44	1.71	2.70	5.31	3.53
24	6.76	1.46	2.20	.90	.82	1.17	.98	1.69	1.27	2.85	5.38	3.74
25	6.53	1.49	2.11	.67	.71	1.23	1.26	1.93	1.23	2.83	5.47	3.80
26	6.44	1.43	2.03	1.09	1.10	1.10	1.31	2.12	1.27	2.80	5.56	3.91
27	6.38	1.55	2.14	.99	1.29	1.19	.88	2.29	1.67	2.69	5.67	4.01
28	6.14	1.34	2.24	.62	1.14	1.29	1.09	2.44	2.06	3.02	5.72	4.01
29	5.43	1.50	2.24	1.07	1.37	1.28	1.29	2.56	2.38	3.30	5.74	4.04
30	5.03	1.65	2.23	1.17	---	1.33	1.19	2.66	2.61	3.51	5.87	4.11
31	4.88	---	2.22	1.36	---	1.38	---	1.96	---	3.67	5.96	---
LOW	11.35	4.81	2.31	3.05	3.87	2.35	1.42	2.66	2.97	3.67	5.96	6.17
HIGH	4.88	.80	1.48	.62	.71	.68	.29	.52	1.20	.96	3.34	2.66

WTR YR 1996 HIGHEST 0.29 APR 17 LOWEST 11.35 OCT 5



WASHINGTON COUNTY

450713067162801 Local number, WW 796

LOCATION.--Lat 45°07'13", long 67°16'28", Hydrologic Unit 01050001, in Calais, on Charlotte Road, about 2.25 mi south of U.S. Highway 1. Owner: U.S. Government (Moosehorn National Wildlife Refuge).

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., Sept. 1967 reported depth 150 ft, cased with steel to 21 ft, open hole, Nov. 1982 measured depth 146 ft.

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

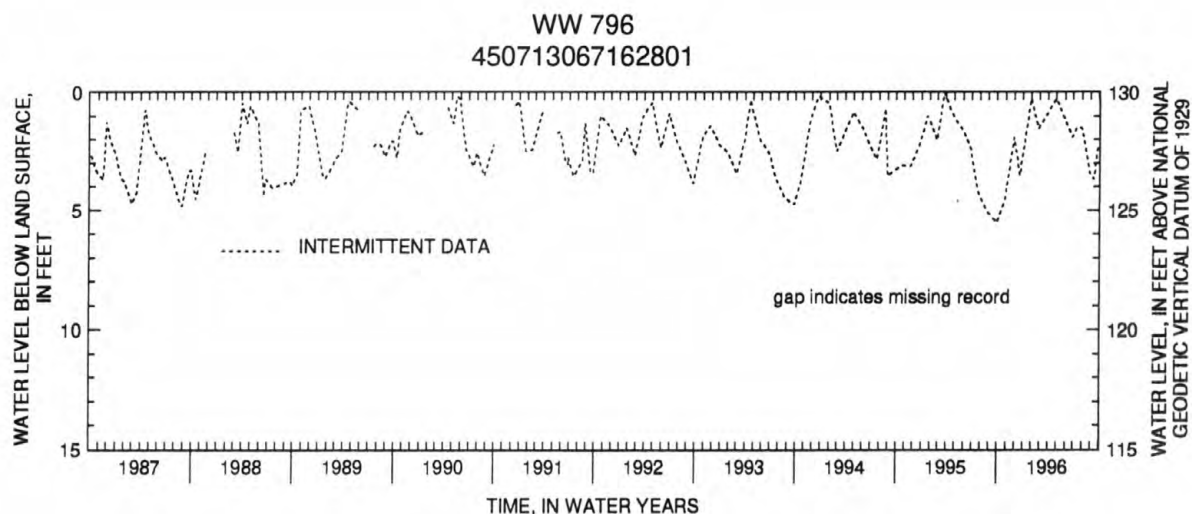
DATUM.--Elevation of land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 0.8 ft above the general land surface.

PERIOD OF RECORD.--September 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, 26, Apr. 22, 28, May 4, June 1, Dec. 14 and 15, 1983, Apr. 3, 15, and 28, 1984; lowest measured, 5.51 ft below land-surface datum, Sept. 29, 1995.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	4.60	JAN 30	0.26	APR 30	0.25	JUL 30	1.50	SEP 26	2.25
NOV 30	1.90	FEB 26	1.54	JUN 27	1.90	AUG 30	3.47		
DEC 20	3.53	MAR 27	0.93	JUL 12	1.49	SEP 12	3.68		
WATER YEAR 1996		HIGHEST	0.25	APR 30	LOWEST	4.60	OCT 27		



WASHINGTON COUNTY--Continued

445227067520101 Local number, WW 797

LOCATION.--Lat 44°52'27", long 67°52'01", Hydrologic Unit 01050002, about 0.35 mi south of State Highway 9 in Township T24MD, Hadley Lakes. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--A wash-bored unconfined observation well, diameter 2 in., Sept. 1985 measured depth 30 ft, screened depth 25 to 30 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: V-notch on top of casing, north side of shelter, which is 3.42 ft above the general land surface.

REMARKS.--Record lost Oct. 12 to Dec. 6.

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

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

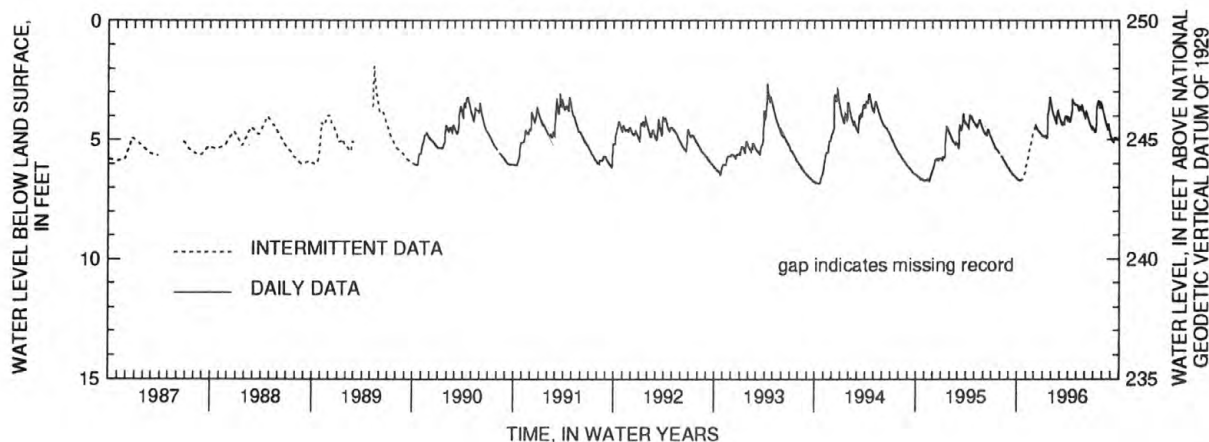
DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.63	---	---	4.83	3.46	4.01	4.21	3.57	4.02	4.52	3.54	4.77
2	6.64	---	---	4.85	3.54	4.05	4.20	3.54	4.06	4.55	3.57	4.82
3	6.65	---	---	4.85	3.60	4.09	4.09	3.53	4.09	4.58	3.62	4.86
4	6.66	---	---	4.85	3.67	4.13	4.11	3.54	3.94	4.60	3.66	4.91
5	6.67	---	---	4.87	3.73	4.17	4.16	3.56	3.85	4.62	3.71	4.93
6	6.69	---	m4.45	4.87	3.79	4.19	4.21	3.58	3.83	4.65	3.76	4.96
7	6.69	---	4.42	4.88	3.85	4.22	4.23	3.62	3.85	4.68	3.82	4.99
8	6.70	---	4.44	4.90	3.89	4.25	4.24	3.65	3.90	4.70	3.88	5.02
9	6.71	---	4.47	4.90	3.93	4.29	4.26	3.69	3.96	4.70	3.91	5.04
10	6.71	---	4.47	4.89	3.97	4.33	4.23	3.73	4.02	4.69	3.96	5.06
11	6.72	---	4.50	4.91	4.01	4.37	4.22	3.76	4.05	4.68	4.02	5.08
12	m6.73	---	4.52	4.91	4.05	4.39	4.15	3.72	4.08	4.67	4.07	5.10
13	---	---	4.55	4.85	4.09	4.41	3.98	3.63	4.12	4.60	4.13	5.12
14	---	---	4.58	4.88	4.12	4.41	3.94	3.62	4.16	4.02	4.18	5.11
15	---	---	4.60	4.89	4.17	4.39	3.91	3.64	4.20	3.66	4.24	5.02
16	---	---	4.60	4.93	4.21	4.32	3.84	3.69	4.24	3.62	4.28	4.96
17	---	---	4.63	4.94	4.22	4.34	3.44	3.74	4.27	3.55	4.33	4.94
18	---	---	4.64	4.90	4.26	4.38	3.30	3.76	4.31	3.48	4.37	4.93
19	---	---	4.64	4.83	4.30	4.42	3.37	3.79	4.35	3.50	4.41	4.92
20	---	---	4.66	4.17	4.34	4.34	3.43	3.79	4.38	3.46	4.44	4.92
21	---	---	4.67	3.89	4.32	4.15	3.47	3.67	4.41	3.34	4.48	4.92
22	---	---	4.70	3.83	3.99	4.07	3.49	3.59	4.44	3.40	4.53	4.94
23	---	---	4.72	3.85	3.90	4.03	3.49	3.61	4.46	3.43	4.57	4.95
24	---	---	4.74	3.87	3.92	4.02	3.47	3.66	4.48	3.46	4.56	4.97
25	---	m4.09	4.75	3.48	3.80	4.04	3.50	3.72	4.50	3.56	4.36	4.98
26	---	---	4.76	3.44	3.79	4.03	3.52	3.79	4.47	3.65	4.33	4.99
27	m6.57	---	4.77	3.50	3.84	3.99	3.54	3.83	4.47	3.72	4.42	5.01
28	---	---	4.78	3.24	3.90	4.06	3.54	3.87	4.47	3.51	4.50	5.00
29	---	---	4.80	3.22	3.95	4.10	3.56	3.92	4.48	3.44	4.58	5.01
30	---	---	4.83	3.32	---	4.15	3.57	3.96	4.50	3.45	4.66	5.03
31	---	---	4.84	3.38	---	4.18	---	3.99	---	3.51	4.73	---
LOW	---	---	---	4.94	4.34	4.42	4.26	3.99	4.50	4.70	4.73	5.12
HIGH	---	---	---	3.22	3.46	3.99	3.30	3.53	3.83	3.34	3.54	4.77

WTR YR 1996 HIGHEST 3.22 JAN 29 LOWEST 6.73 OCT 12

m Measured

WW 797
445227067520101



GROUND-WATER RECORDS

WASHINGTON COUNTY--Continued

444526068013301 Local number, WW 922

LOCATION.--Lat 44°45'26", long 68°01'53", Hydrologic Unit 01050002, about 1.0 mi north of Deblois. Owner: U.S. Geological Survey.
AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 42 feet, screened 25 to 40 feet, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Record lost Oct. 12 to Dec. 6, and July 11 to Sept. 30.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.94 ft below land-surface datum, Dec. 15, 1993; lowest recorded, 12.68 ft below land-surface datum, Nov. 15, 1994.

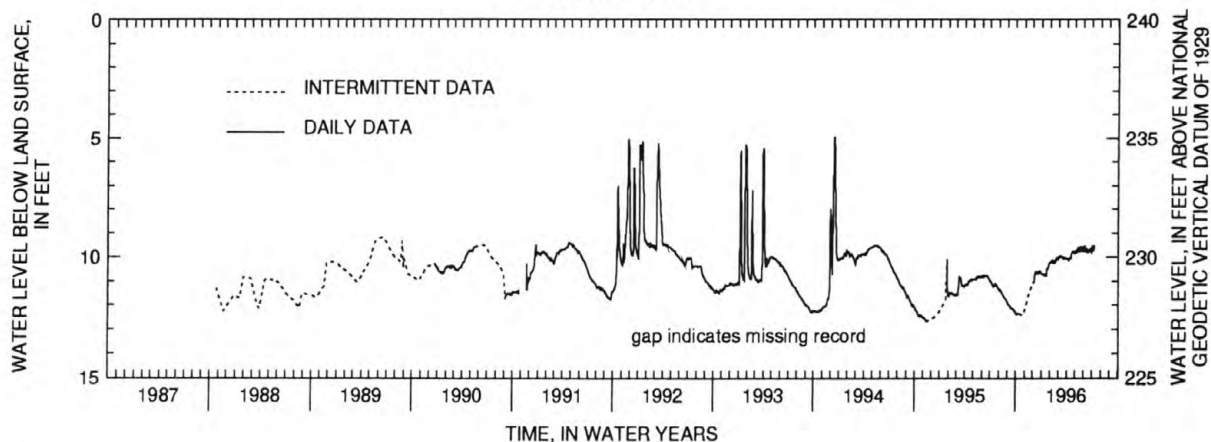
**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
 DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.31	---	---	10.67	10.23	10.05	10.08	9.79	9.55	9.70	---	---
2	12.33	---	---	10.69	10.23	10.07	10.08	9.78	9.59	9.57	---	---
3	12.35	---	---	10.71	10.20	10.03	10.06	9.80	9.53	9.54	---	---
4	12.36	---	---	10.71	10.22	9.97	10.06	9.79	9.69	9.56	---	---
5	12.37	---	---	10.72	10.23	9.96	10.07	9.77	9.60	9.55	---	---
6	12.38	---	m11.00	10.73	10.20	9.96	10.08	9.75	9.58	9.73	---	---
7	12.35	---	10.86	10.73	10.20	9.96	10.10	9.73	9.51	9.74	---	---
8	12.34	---	10.76	10.73	10.18	9.97	10.12	9.71	9.78	9.74	---	---
9	12.34	---	10.73	10.71	10.15	9.94	10.11	9.71	9.78	9.64	---	---
10	12.35	---	10.67	10.71	10.14	9.96	10.10	9.84	9.73	9.52	---	---
11	12.35	---	10.62	10.71	10.17	9.97	10.07	9.82	9.70	---	---	---
12	m12.37	---	10.64	10.75	10.16	9.97	10.03	9.72	9.65	---	---	---
13	---	---	10.67	10.73	10.19	9.98	10.03	9.64	9.65	---	---	---
14	---	---	10.68	10.72	10.23	9.98	10.04	9.62	9.79	---	---	---
15	---	---	10.64	10.71	10.22	10.00	10.04	9.68	9.81	---	---	---
16	---	---	10.62	10.75	10.21	10.00	10.04	9.63	9.81	---	---	---
17	---	---	10.64	10.77	10.20	10.00	9.97	9.79	9.75	---	---	---
18	---	---	10.68	10.76	10.18	10.02	9.87	9.79	9.73	---	---	---
19	---	---	10.61	10.77	10.20	10.05	9.85	9.79	9.78	---	---	---
20	---	---	10.60	10.62	10.22	10.08	9.82	9.77	9.79	---	---	---
21	---	---	10.60	10.48	10.21	10.04	9.81	9.63	9.78	---	---	---
22	---	---	10.65	10.50	10.16	10.01	9.80	9.53	9.74	---	---	---
23	---	---	10.61	10.50	10.11	10.01	9.79	9.60	9.77	---	---	---
24	---	---	10.61	10.50	10.10	10.02	9.77	9.72	9.69	---	---	---
25	---	m11.27	10.60	10.43	10.06	10.04	9.76	9.60	9.69	---	---	---
26	---	---	10.59	10.43	10.03	10.04	9.76	9.63	9.69	---	---	---
27	m12.43	---	10.59	10.43	10.02	10.04	9.76	9.74	9.63	---	---	---
28	---	---	10.60	10.34	10.03	10.06	9.80	9.69	9.61	---	---	---
29	---	---	10.62	10.27	10.03	10.06	9.81	9.61	9.72	---	---	---
30	---	---	10.65	10.24	---	10.07	9.84	9.80	9.85	---	---	---
31	---	---	10.65	10.23	---	10.08	---	9.64	---	---	---	---
LOW	---	---	---	10.77	10.23	10.08	10.12	9.84	9.85	---	---	---
HIGH	---	---	---	10.23	10.02	9.94	9.76	9.53	9.51	---	---	---

WTR YR 1996 HIGHEST 9.51 JUNE 7 LOWEST 12.43 OCT 27

m Measured

**WW 922
 444526068013301**



YORK COUNTY

432310070393301 Local number, YW 807

LOCATION.--Lat 43°23'10", long 70°39'33", Hydrologic Unit 01060003, about 4.5 mi southeast of South Sanford. Owner: U.S. Geological Survey.

AQUIFER.--Ice-contact glaciofluvial deposits of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., measured depth 39 ft, screened depth 34 to 39 feet, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 202 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--October 1981 to April 1982, July 1988 to current year. Records prior to July 1988 have not been published, but are available in the files of the U.S. Geological Survey.

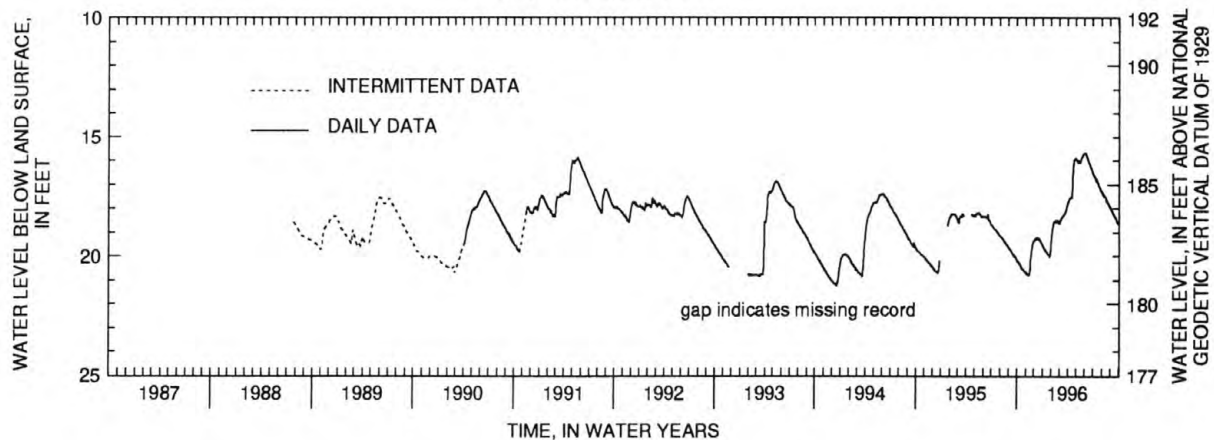
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.66 ft below land-surface datum, June 4, 1996; lowest measured, 23.90 ft below land-surface datum, Nov. 19, 1981.

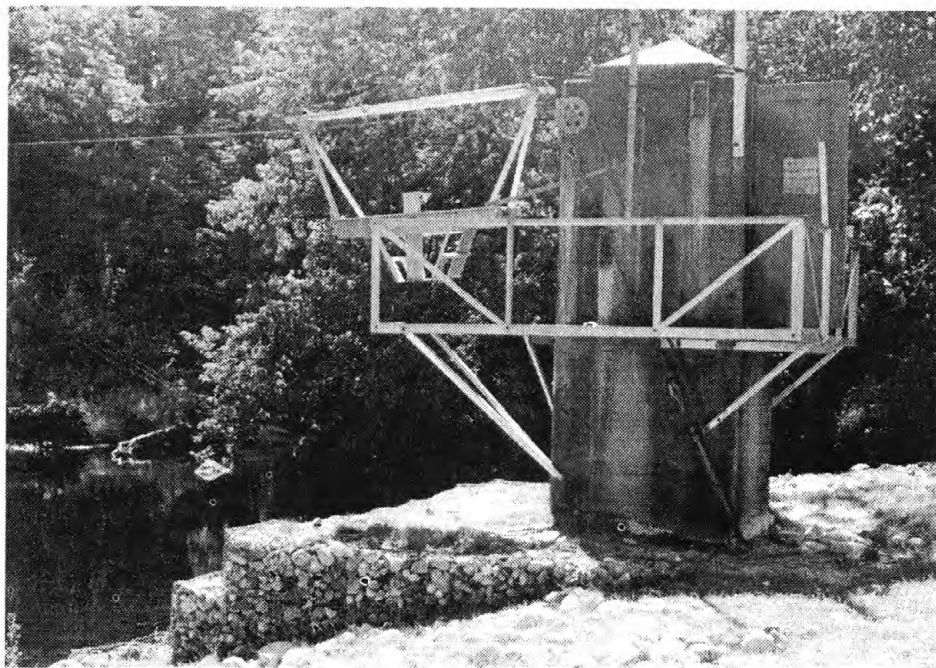
**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.15	20.70	19.35	19.53	19.49	18.59	17.78	15.90	15.69	16.51	17.26	17.95
2	20.17	20.70	19.34	19.55	19.32	18.60	17.74	15.93	15.69	16.54	17.29	17.97
3	20.19	20.68	19.33	19.58	19.18	18.55	17.70	15.95	15.67	16.56	17.32	17.99
4	20.21	20.71	19.30	19.61	19.07	18.57	17.67	15.95	15.66	16.58	17.35	18.01
5	20.22	20.72	19.29	19.62	18.96	18.52	17.65	15.97	15.67	16.61	17.36	18.04
6	20.22	20.74	19.26	19.65	18.88	18.49	17.63	15.99	15.70	16.64	17.38	18.06
7	20.24	20.73	19.26	19.68	18.80	18.46	17.62	16.02	15.70	16.67	17.40	18.08
8	20.26	20.75	19.25	19.69	18.73	18.43	17.59	16.02	15.77	16.68	17.42	18.09
9	20.29	20.77	19.26	19.71	18.68	18.42	17.58	16.05	15.82	16.70	17.44	18.11
10	20.30	20.77	19.25	19.72	18.65	18.41	17.54	16.03	15.85	16.77	17.45	18.14
11	20.32	20.79	19.23	19.75	18.59	18.39	17.53	16.01	15.85	16.80	17.48	18.18
12	20.34	20.80	19.23	19.76	18.56	18.34	17.53	16.00	15.88	16.82	17.49	18.21
13	20.36	20.80	19.24	19.78	18.55	18.32	17.54	16.07	15.91	16.83	17.52	18.22
14	20.38	20.80	19.23	19.80	18.53	18.31	17.53	16.09	15.93	16.71	17.52	18.25
15	20.40	20.72	19.24	19.82	18.53	18.29	17.54	16.10	16.00	16.78	17.55	18.28
16	20.42	20.64	19.25	19.83	18.53	18.29	17.53	16.09	16.06	16.84	17.57	18.30
17	20.46	20.55	19.24	19.84	18.50	18.28	17.46	16.06	16.07	16.89	17.60	18.31
18	20.48	20.39	19.24	19.88	18.51	18.27	17.34	16.05	16.11	16.91	17.64	18.34
19	20.50	20.23	19.25	19.89	18.55	18.27	17.06	15.99	16.13	16.93	17.66	18.36
20	20.51	20.08	19.25	19.92	18.56	18.25	16.71	15.92	16.15	16.96	17.68	18.38
21	20.52	19.96	19.27	19.92	18.53	18.18	16.46	15.89	16.16	17.00	17.69	18.40
22	20.52	19.84	19.31	19.94	18.53	18.16	16.29	15.88	16.22	17.06	17.71	18.41
23	20.53	19.75	19.33	19.95	18.53	18.16	16.14	15.85	16.26	17.08	17.72	18.44
24	20.56	19.68	19.32	19.95	18.52	18.15	16.04	15.85	16.30	17.10	17.75	18.50
25	20.56	19.61	19.36	19.98	18.50	18.13	15.99	15.82	16.33	17.12	17.77	18.51
26	20.59	19.53	19.38	20.00	18.53	18.08	15.95	15.78	16.35	17.14	17.79	18.54
27	20.59	19.47	19.41	19.98	18.58	18.02	15.94	15.75	16.37	17.17	17.81	18.58
28	20.62	19.44	19.43	20.00	18.55	17.97	15.94	15.73	16.40	17.20	17.84	18.58
29	20.64	19.38	19.47	19.96	18.58	17.93	15.92	15.71	16.44	17.22	17.86	18.60
30	20.64	19.38	19.50	19.86	---	17.88	15.92	15.70	16.48	17.23	17.92	18.62
31	20.66	---	19.52	19.68	---	17.82	---	15.69	---	17.26	17.93	---
LOW	20.66	20.80	19.52	20.00	19.49	18.60	17.78	16.10	16.48	17.26	17.93	18.62
HIGH	20.15	19.38	19.23	19.53	18.50	17.82	15.92	15.69	15.66	16.51	17.26	17.95

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Surface-water station
Nezinscot River at Turner Center
August, 1991

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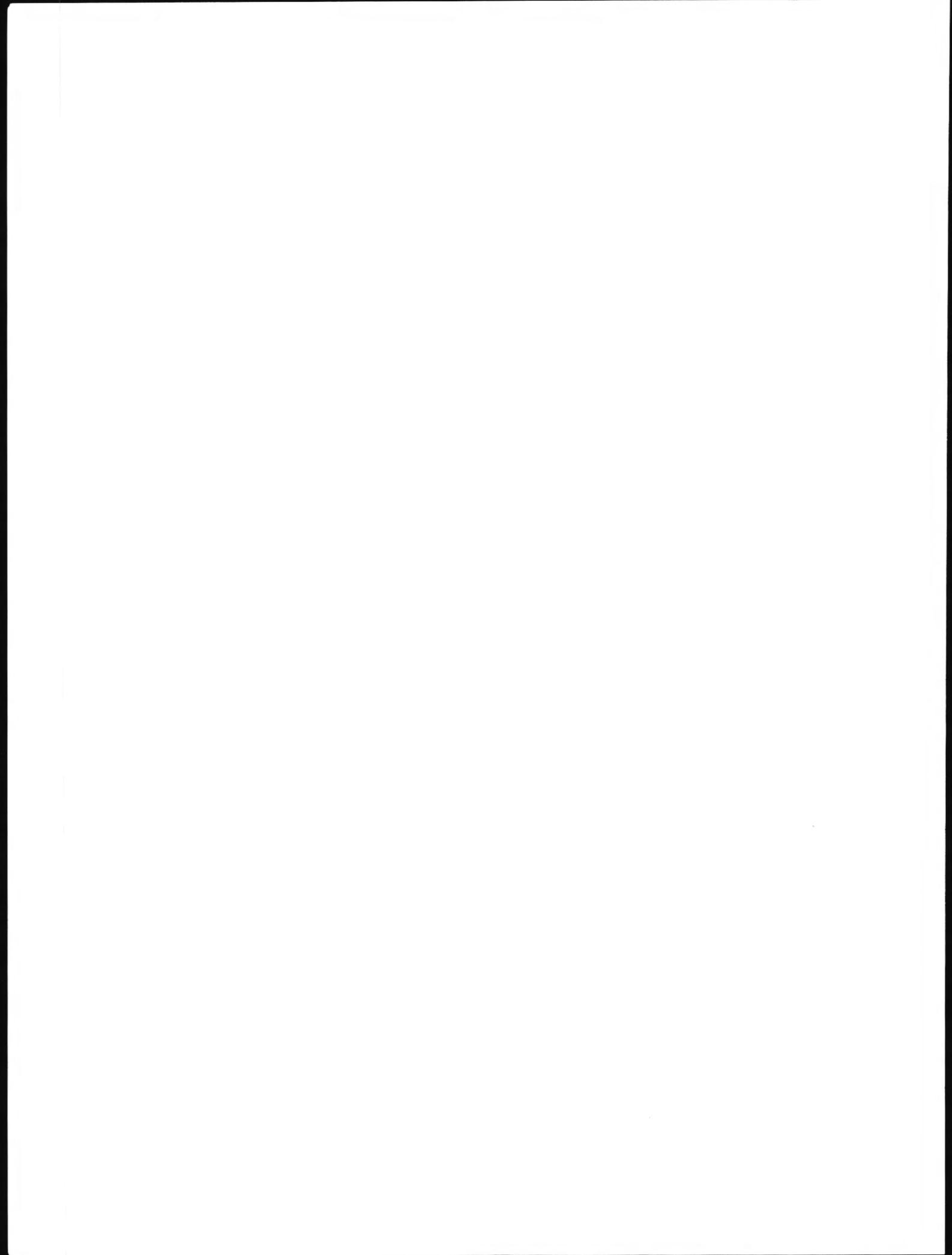
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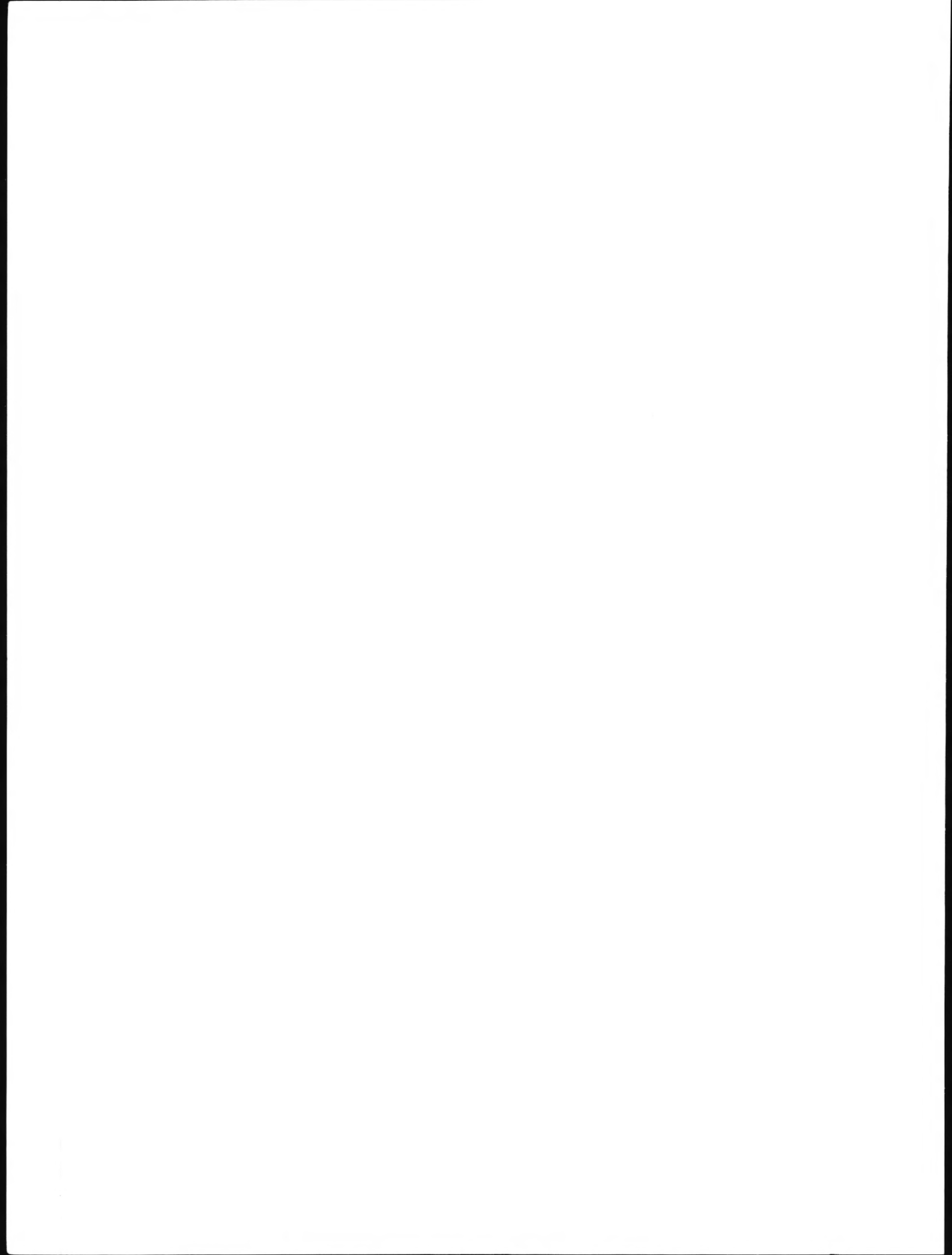
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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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