

01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

Androscoggin Basin
Lower Androscoggin Subbasin

LOCATION.--Lat 44°18'14", long 70°32'23" referenced to North American Datum of 1983, Oxford County, ME, Hydrologic Unit 01040002, on island 50 ft upstream from Snow Falls, and 6 mi upstream from South Paris.

DRAINAGE AREA.--73.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1913 to April 1924, October 1931 to current year.

REVISED RECORDS.--WSP 1301: 1915-23(M). WRD ME-81-1: Drainage area. WRD ME-97-1: 1914-23(M) 1933-83(M).

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 period of ice effect, Jan. 11 to Mar. 27, and periods of no gage-height record, Jan. 17-18, and May 28-30, which are fair. Satellite 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 (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 21	0800	1,270	6.27
Oct 29	0300	2,700	8.09
Nov 17	1845	1,460	6.57
Apr 17	0400	*2,880	*8.27

Minimum discharge, 4.3 ft³/s, Sept. 9, gage height, 1.68 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	26	303	205	104	e37	e36	271	459	52	21	8.9	21
2	21	300	601	117	e38	e37	311	334	52	18	7.9	13
3	19	293	360	107	e41	e42	316	269	128	16	7.1	9.3
4	17	231	260	100	e43	e44	271	227	184	14	6.6	7.2
5	18	197	209	98	e42	e41	239	200	779	15	6.3	6.1
6	19	179	175	193	e41	e39	219	179	442	17	7.8	5.3
7	17	163	165	247	e39	e38	190	161	253	27	24	4.8
8	15	161	154	225	e38	e37	169	144	182	22	19	4.6
9	15	602	139	270	e37	e37	153	131	140	23	22	4.9
10	14	464	132	207	e36	e36	139	120	178	43	14	12
11	13	300	129	e151	e35	e41	133	111	132	34	11	15
12	265	255	126	e134	e35	e47	157	113	99	41	9.3	24
13	248	382	124	e118	e34	e51	170	100	82	32	8.1	18
14	143	576	173	e105	e34	e61	201	88	76	24	7.2	13
15	99	667	165	e96	e35	e120	260	83	68	20	6.5	12
16	77	425	148	e88	e38	e165	1,160	133	59	19	6.1	19
17	65	1,000	133	e80	e41	e134	2,360	244	51	16	9.2	15
18	183	907	122	e75	e39	e135	1,700	199	47	14	24	11
19	197	491	111	e69	e38	e118	1,450	223	40	26	19	9.0
20	207	353	100	e65	e38	e100	1,310	224	36	58	12	7.7
21	1,010	279	94	e61	e37	e86	1,240	228	34	53	8.7	6.9
22	456	236	89	e57	e37	e87	1,220	180	31	34	7.2	6.3
23	373	211	194	e54	e36	e195	1,100	139	33	25	6.2	5.9
24	425	196	312	e51	e36	e276	1,120	117	29	20	6.2	5.4
25	276	177	221	e49	e36	e261	795	99	25	18	6.8	5.1
26	210	164	198	e46	e36	e272	514	82	25	21	6.9	5.0
27	171	174	212	e44	e35	e283	404	69	24	18	6.5	8.4
28	434	159	171	e43	e36	421	365	e61	26	14	5.8	16
29	1,950	157	127	e41	---	397	428	e56	32	14	5.1	17
30	762	156	106	e39	---	313	462	e54	25	12	5.2	12
31	413	---	105	e38	---	292	---	52	---	10	25	---
Total	8,158	10,158	5,560	3,172	1,048	4,242	18,827	4,879	3,364	739	325.6	319.9
Mean	263	339	179	102	37.4	137	628	157	112	23.8	10.5	10.7
Max	1,950	1,000	601	270	43	421	2,360	459	779	58	25	24
Min	13	156	89	38	34	36	133	52	24	10	5.1	4.6
Cfsm	3.58	4.61	2.44	1.39	0.51	1.86	8.54	2.14	1.53	0.32	0.14	0.15
In.	4.13	5.14	2.81	1.61	0.53	2.15	9.53	2.47	1.70	0.37	0.16	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	83.7	142	132	90.1	82.4	205	463	214	113	51.9	36.9	40.1
Max	457	421	608	303	380	1,133	872	531	464	257	193	354
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(2005)	(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)	(2006)	(1941)	(1964)	(1991)	(1995)	(1995)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1914 - 2007	
Annual total	66,982		60,792.5			
Annual mean	184		167		138	
Highest annual mean					219	1973
Lowest annual mean					62.9	1965
Highest daily mean	1,950	Oct 29	2,360	Apr 17	6,760	Apr 1, 1987
Lowest daily mean	13	Oct 11	4.6	Sep 8	0.65	Sep 17, 1995
Annual seven-day minimum	16	Oct 5	6.0	Sep 3	0.69	Sep 15, 1995
Maximum peak flow			2,880	Apr 17	9,340	Apr 1, 1987
Maximum peak stage			8.27	Apr 17	12.22	Apr 1, 1987
Instantaneous low flow			4.3	Sep 9	0.60	Sep 17, 1995
Annual runoff (cfsm)	2.50		2.27		1.88	
Annual runoff (inches)	33.90		30.77		25.50	
10 percent exceeds	415		377		330	
50 percent exceeds	124		75		63	
90 percent exceeds	25		9.3		12	

