

Water-Data Report 2007

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

Androscoggin Basin
Lower Androscoggin Subbasin

LOCATION.--Lat 44°33'07", long 70°32'39" referenced to North American Datum of 1983, Oxford County, ME, Hydrologic Unit 01040002, on right bank below lower power plant of NewPage Corp. in Rumford, and 1,000 ft upstream from Swift River.

DRAINAGE AREA.--2,068 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: May 1892 to current year. Fragmentary record only May 1892 to October 1895, published in WSP 27. Monthly discharge only October 1903 to September 1904, published in WSP 1301.

REVISED RECORDS.--WDR ME-86-1: Drainage area. WDR ME-97-1: 1893-1935(M) 1937-79(M).

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.

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

REMARKS.--Records good, including periods of no gage-height record, July 31 and Aug. 3. 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 28.1 billion ft³, with final regulation at Errol Dam 70 mi upstream. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 443305070323701).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,900 ft³/s, Oct. 29, gage height, 13.77 ft; minimum daily discharge, 1,750 ft³/s, Sept. 4.

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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	2,690	7,830	4,110	3,350	3,650	3,490	5,940	17,600	4,200	1,870	1,880	2,010
2	2,780	6,630	6,870	3,930	3,620	3,520	6,370	15,200	4,200	1,970	1,930	1,890
3	2,550	6,150	7,120	3,580	3,660	3,390	6,610	13,600	4,560	2,010	e1,840	1,800
4	2,650	5,390	5,500	3,730	3,590	3,490	6,070	11,100	5,240	1,920	2,050	1,750
5	2,700	4,910	4,530	3,670	3,510	3,530	5,430	9,760	12,700	1,840	1,770	1,800
6	2,810	4,780	3,760	4,350	3,390	3,430	4,910	8,560	11,700	1,890	1,900	2,060
7	2,740	4,240	3,470	7,610	3,320	3,220	4,570	7,490	8,920	2,070	2,420	2,000
8	2,630	3,930	3,650	7,400	3,310	3,320	4,290	7,500	7,140	2,060	2,780	1,980
9	2,580	6,110	3,110	7,480	3,460	3,300	4,120	7,800	5,920	2,170	2,560	2,070
10	2,570	7,850	3,650	6,420	3,350	3,390	4,040	7,810	5,400	2,490	2,770	2,350
11	2,570	6,020	3,770	3,820	3,360	3,460	3,900	8,600	4,740	2,430	2,920	2,350
12	4,370	5,050	3,830	3,720	3,540	3,600	4,010	8,960	4,510	8,780	2,620	2,430
13	5,740	5,220	3,560	4,490	3,350	3,570	4,170	7,680	3,850	5,000	2,390	2,440
14	3,630	8,540	3,530	3,880	3,340	3,510	4,080	6,890	3,040	3,190	2,400	2,260
15	2,780	10,100	3,910	3,520	3,160	4,150	4,280	6,650	3,500	2,870	2,150	2,210
16	2,530	7,240	3,530	3,090	3,180	5,710	6,180	9,060	2,830	3,100	1,810	2,750
17	2,400	15,100	3,310	2,910	3,340	5,440	13,200	17,800	2,700	2,760	2,120	2,790
18	4,100	16,000	3,340	2,540	3,460	4,790	14,100	17,800	2,810	2,330	2,190	2,350
19	6,030	9,740	3,360	3,410	3,520	4,460	13,900	16,100	2,810	2,600	1,940	2,270
20	4,830	7,120	3,420	4,460	3,410	4,270	14,700	16,400	2,550	3,200	1,870	2,220
21	16,100	6,000	3,630	3,420	3,370	3,610	15,500	21,600	2,490	3,330	1,850	2,100
22	13,100	5,120	2,840	3,780	3,610	3,610	17,200	16,600	2,480	2,840	1,800	2,130
23	10,200	4,560	3,310	4,040	3,580	4,350	18,600	12,700	2,460	2,490	1,770	2,130
24	10,400	4,370	5,640	4,070	3,460	6,050	25,500	10,400	2,490	2,240	1,810	2,070
25	8,650	4,050	5,130	3,890	3,370	6,080	24,300	7,390	2,390	2,260	1,780	2,030
26	7,090	3,830	4,510	3,620	3,490	5,820	18,500	5,360	2,480	2,060	1,840	2,060
27	6,380	3,590	4,460	3,430	3,560	5,790	15,600	4,660	2,400	2,050	2,120	2,050
28	8,860	3,460	4,030	3,480	3,520	7,200	13,800	4,440	2,450	2,040	1,930	1,950
29	29,100	3,500	3,290	3,810	---	8,210	15,200	4,380	2,120	2,070	1,810	2,470
30	17,200	3,810	2,500	3,490	---	7,000	16,500	4,080	1,830	2,070	1,840	2,000
31	10,800	---	2,860	3,480	---	6,370	---	4,160	---	e1,990	2,120	---
Total	203,560	190,240	123,530	127,870	96,480	141,130	315,570	318,130	126,910	81,990	64,980	64,770
Mean	6,566	6,341	3,985	4,125	3,446	4,553	10,520	10,260	4,230	2,645	2,096	2,159
Max	29,100	16,000	7,120	7,610	3,660	8,210	25,500	21,600	12,700	8,780	2,920	2,790
Min	2,400	3,460	2,500	2,540	3,160	3,220	3,900	4,080	1,830	1,840	1,770	1,750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,937	3,502	3,141	2,815	2,730	3,984	8,191	7,296	4,022	2,623	2,328	2,405
Max	9,074	9,168	10,570	6,885	7,192	17,420	14,900	16,650	12,210	8,906	4,518	9,296
(WY)	(2006)	(2006)	(1974)	(1996)	(1981)	(1936)	(1901)	(1969)	(1917)	(1996)	(1990)	(1954)
Min	1,448	1,511	1,121	1,353	951	789	3,177	2,550	1,795	1,384	1,451	1,307
(WY)	(1911)	(1909)	(1909)	(1909)	(1911)	(1911)	(1995)	(1941)	(1911)	(1911)	(1911)	(1995)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1900 - 2007	
Annual total	1,888,520		1,855,160			
Annual mean	5,174		5,083		3,832	
Highest annual mean					6,696	1996
Lowest annual mean					2,001	1911
Highest daily mean	29,100	Oct 29	29,100	Oct 29	68,300	Mar 19, 1936
Lowest daily mean	2,080	Aug 19	1,750	Sep 4	625	Mar 27, 1911
Annual seven-day minimum	2,230	Aug 13	1,820	Aug 20	645	Mar 21, 1911
Maximum peak flow			31,900	Oct 29	74,000	Mar 20, 1936
Maximum peak stage			13.77	Oct 29		
10 percent exceeds	9,000		10,300		7,310	
50 percent exceeds	4,330		3,570		2,640	
90 percent exceeds	2,610		2,050		1,780	

