

01055100 ANDROSCOGGIN RIVER AT JAY, ME

Androscoggin Basin
Lower Androscoggin Subbasin

LOCATION.--Lat 44°30'09", long 70°13'28" referenced to North American Datum of 1983, Franklin County, ME, 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.

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1993 to September 2000. Seasonal records (June to September) water years 2001 to current year.

pH: June 2005 to current year. Seasonal records (June to September) water years 2005 to current year.

WATER TEMPERATURE: October 1993 to September 2000. Seasonal records (June to September) water years 2001 to current year.

DISSOLVED OXYGEN: October 1993 to September 2000. Seasonal records (June to September) water years 2001 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.--Monitor not operated during period October to May. Records good, except for the periods, June 15-22, Aug. 14-17, and 29-31, which are fair, June 23 to July 2, and Aug. 18 to Sept. 9, which are poor, for dissolved oxygen.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 335 microsiemens/cm, Sept. 11, 1995; minimum, 25 microsiemens/cm, Apr. 24-25, 1996, and June 11, 2006.

pH: Maximum, 7.5 standard units, on several days during water year 2005; minimum, 6.4 standard units, June 11-12, 2006.

WATER TEMPERATURE: Maximum, 28.0°C, Aug. 17, 2002; 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.

EXTREMES FOR CURRENT PERIOD (June 1, 2007 to Sept. 30, 2007).--

SPECIFIC CONDUCTANCE: Maximum, 150 microsiemens/cm, July 28; minimum, 27 microsiemens/cm, June 6.

pH: Maximum, 7.6 standard units, June 25; minimum, 6.4 standard units, July 13, and Sept. 25.

WATER TEMPERATURE: Maximum, 27.3°C, Aug. 1-2; minimum, 13.9°C, June 6.

DISSOLVED OXYGEN: Maximum, 10.3 mg/L, June 5-6; minimum, 7.3 mg/L, Sept. 1.

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	64	55	58	144	110	126	134	105	121	111	95	103
2	62	58	59	134	104	118	139	105	122	117	89	103
3	61	56	59	131	104	120	---	---	---	116	99	106
4	58	55	57	134	109	117	---	---	---	120	98	108
5	56	28	44	133	109	121	---	---	---	128	100	110
6	31	27	29	131	105	119	---	---	---	110	99	105
7	36	31	34	123	111	117	---	---	---	112	81	99
8	40	36	38	131	107	121	61	52	56	100	91	96
9	46	40	44	126	114	118	60	51	55	106	93	99
10	48	45	46	142	102	119	63	54	58	98	84	91
11	53	47	50	127	94	109	64	54	59	91	77	84
12	56	52	54	118	42	82	79	58	63	84	73	78
13	58	54	57	50	37	41	79	67	72	118	60	87
14	65	58	61	74	50	59	82	63	72	101	84	92
15	75	63	69	89	74	80	84	63	74	104	93	100
16	77	66	70	101	84	91	97	71	83	111	91	99
17	88	76	80	101	93	97	89	78	85	92	74	84
18	109	74	88	119	101	114	90	76	81	111	72	89
19	99	73	83	126	113	120	86	75	80	131	79	103
20	94	78	83	121	104	115	87	77	83	147	76	108
21	97	76	84	104	80	88	97	83	93	125	87	108
22	110	74	87	88	80	84	97	85	92	115	100	107
23	101	83	88	102	86	94	96	85	92	118	101	108
24	108	84	92	116	102	110	103	93	99	118	102	109
25	106	83	93	122	113	117	103	89	97	123	102	112
26	105	83	94	129	114	122	98	92	96	116	101	109
27	104	85	95	138	120	129	101	88	95	110	96	103
28	106	85	97	150	117	137	102	84	90	110	98	105
29	112	88	100	125	117	121	98	84	92	114	93	104
30	128	100	113	125	103	116	101	90	95	120	104	114
31	---	---	---	139	109	124	106	97	101	---	---	---
Month	128	27	70	150	37	108	---	---	---	147	60	101

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PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.0	7.0	7.0	7.4	7.3	7.3	7.4	7.2	7.3	7.2	7.1	7.1
2	7.0	7.0	7.0	7.5	7.2	7.4	7.4	7.3	7.3	7.2	7.0	7.1
3	7.0	6.9	7.0	7.5	7.4	7.4	---	---	---	7.2	7.0	7.1
4	7.0	7.0	7.0	7.5	7.4	7.4	---	---	---	7.2	7.1	7.1
5	7.0	6.7	6.9	7.5	7.3	7.4	---	---	---	7.2	7.0	7.1
6	6.7	6.6	6.7	7.4	7.2	7.3	---	---	---	7.2	7.0	7.1
7	6.8	6.7	6.8	7.5	7.3	7.4	---	---	---	7.2	7.0	7.1
8	6.9	6.8	6.8	7.4	7.4	7.4	7.2	7.1	7.1	7.1	7.0	7.1
9	6.9	6.8	6.9	7.4	7.3	7.4	7.2	7.1	7.2	7.1	7.0	7.0
10	6.9	6.9	6.9	7.4	7.3	7.3	7.2	7.1	7.2	7.3	7.0	7.2
11	6.9	6.9	6.9	7.4	7.3	7.3	7.2	7.1	7.2	7.2	7.0	7.1
12	6.9	6.9	6.9	7.3	6.7	7.2	7.2	7.1	7.1	7.1	7.0	7.0
13	6.9	6.9	6.9	6.7	6.4	6.5	7.2	7.0	7.1	7.0	6.8	7.0
14	7.0	6.9	6.9	6.8	6.6	6.7	7.2	7.0	7.1	7.0	6.9	7.0
15	7.0	6.9	7.0	6.9	6.8	6.8	7.2	7.0	7.1	7.1	6.9	7.0
16	7.0	7.0	7.0	7.0	6.8	7.0	7.2	7.1	7.1	7.0	6.9	7.0
17	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.1	7.1	7.1	7.0	7.0
18	7.1	7.0	7.0	7.0	7.0	7.0	7.2	7.1	7.2	7.0	7.0	7.0
19	7.1	7.0	7.0	7.0	7.0	7.0	7.3	7.1	7.2	7.0	6.9	7.0
20	7.1	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.2	7.0	6.8	6.9
21	7.1	7.0	7.0	7.0	7.0	7.0	7.2	7.1	7.1	6.9	6.8	6.8
22	7.2	7.0	7.1	7.0	6.9	7.0	7.3	7.1	7.2	6.9	6.7	6.8
23	7.3	7.1	7.2	7.1	6.9	7.0	7.2	7.2	7.2	6.8	6.6	6.7
24	7.5	7.2	7.4	7.1	7.0	7.1	7.2	7.1	7.2	6.7	6.6	6.7
25	7.6	7.3	7.4	7.3	7.1	7.1	7.2	7.1	7.2	6.7	6.4	6.6
26	7.5	7.2	7.4	7.3	7.2	7.3	7.2	7.1	7.2	6.7	6.5	6.6
27	7.5	7.2	7.3	7.4	7.2	7.3	7.2	7.1	7.2	6.8	6.5	6.6
28	7.4	7.2	7.3	7.3	7.2	7.3	7.3	7.1	7.2	6.8	6.5	6.7
29	7.4	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2	6.8	6.6	6.7
30	7.4	7.1	7.3	7.3	7.1	7.2	7.3	7.1	7.2	6.8	6.6	6.7
31	---	---	---	7.4	7.2	7.3	7.3	7.1	7.2	---	---	---
Max	7.6	7.3	7.4	7.5	7.4	7.4	---	---	---	7.3	7.1	7.2
Min	6.7	6.6	6.7	6.7	6.4	6.5	---	---	---	6.7	6.4	6.6

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	17.0	16.5	16.8	23.5	21.6	22.2	27.3	25.6	26.4	23.2	21.9	22.4
2	17.2	16.7	17.0	21.6	20.3	20.9	27.3	25.8	26.6	21.9	21.2	21.6
3	17.2	16.6	16.9	20.8	19.5	20.1	---	---	---	21.7	20.7	21.2
4	16.8	15.1	16.1	21.5	19.7	20.6	---	---	---	21.6	20.7	21.1
5	15.1	14.3	14.8	21.7	20.4	21.1	---	---	---	21.1	19.9	20.4
6	15.7	13.9	14.7	22.3	20.9	21.6	---	---	---	19.9	19.3	19.6
7	16.2	14.8	15.4	22.5	21.7	22.1	---	---	---	20.8	18.8	19.7
8	16.3	15.1	15.6	21.8	20.8	21.1	23.5	22.0	23.0	21.7	20.6	21.0
9	16.6	15.9	16.2	21.0	19.8	20.1	22.8	21.6	22.1	21.7	20.9	21.2
10	18.1	16.4	17.0	20.3	18.8	19.6	22.7	21.6	22.3	21.0	20.0	20.3
11	19.2	17.7	18.3	22.0	20.2	21.1	22.6	21.4	22.0	20.1	19.5	19.9
12	20.3	19.2	19.6	22.0	20.5	21.2	23.3	22.0	22.7	19.5	18.6	18.9
13	20.3	19.0	19.6	20.8	19.0	19.7	23.6	22.3	23.0	18.6	17.8	18.2
14	19.2	18.6	18.9	21.2	20.0	20.5	23.1	22.0	22.5	18.2	17.5	17.9
15	20.1	19.0	19.5	21.5	20.9	21.3	22.2	21.4	21.8	18.0	17.3	17.6
16	21.4	20.0	20.9	22.3	20.7	21.4	22.0	20.5	21.2	17.7	16.7	17.0
17	22.7	21.0	21.9	23.1	21.6	22.3	22.5	21.3	21.9	16.9	16.0	16.6
18	22.5	21.3	21.9	23.0	22.0	22.4	22.3	20.5	21.3	17.1	15.7	16.3
19	22.4	21.4	21.9	22.0	20.9	21.3	20.5	19.8	20.1	17.6	15.8	16.7
20	21.9	20.9	21.5	21.3	20.6	20.9	20.4	19.3	19.8	17.9	16.7	17.4
21	21.7	20.1	20.9	20.8	20.4	20.6	20.5	18.9	19.7	18.9	17.2	18.0
22	21.7	20.5	21.2	21.8	20.6	21.3	20.3	18.9	19.7	19.1	18.1	18.5
23	20.5	19.7	20.1	22.7	21.4	22.0	20.3	19.7	20.0	19.1	18.4	18.8
24	20.3	19.3	19.9	23.4	21.1	22.1	20.8	20.1	20.4	19.1	18.4	18.7
25	20.8	19.3	20.0	25.0	22.5	23.6	22.3	20.6	21.3	19.0	17.7	18.3
26	21.8	19.3	20.4	26.0	23.6	24.7	22.8	22.2	22.5	20.1	18.7	19.2
27	23.8	21.0	22.3	26.5	24.6	25.5	23.1	21.9	22.5	20.7	19.9	20.2
28	25.0	22.6	23.7	26.5	25.6	26.0	23.8	22.2	23.0	20.8	20.5	20.7
29	24.4	23.2	23.8	26.7	25.6	26.2	23.8	22.5	23.1	20.9	20.0	20.4
30	23.7	22.6	23.2	27.0	25.8	26.4	24.0	23.2	23.6	20.0	18.8	19.2
31	---	---	---	27.2	25.9	26.6	24.0	23.2	23.7	---	---	---
Month	25.0	13.9	19.3	27.2	18.8	22.1	---	---	---	23.2	15.7	19.2

01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	9.2	9.1	9.2	8.8	8.0	8.4	8.2	7.4	7.8	7.9	7.3	7.6
2	9.2	9.2	9.2	9.1	8.4	8.8	8.3	7.5	7.9	8.2	7.7	8.0
3	9.3	9.0	9.1	9.4	8.5	8.9	---	---	---	8.5	8.0	8.2
4	9.5	9.1	9.2	9.4	8.6	9.0	---	---	---	8.5	8.0	8.3
5	10.3	9.5	9.8	9.2	8.7	8.9	---	---	---	8.6	8.1	8.3
6	10.3	10.0	10.2	9.0	8.2	8.7	---	---	---	8.6	8.2	8.4
7	10.0	9.9	10	8.9	8.2	8.6	---	---	---	8.7	8.3	8.5
8	9.9	9.8	9.8	8.7	8.0	8.3	8.1	7.8	8.0	8.6	8.3	8.4
9	9.8	9.5	9.6	8.6	7.8	8.3	8.4	8.0	8.2	8.4	8.0	8.2
10	9.5	9.3	9.4	9.1	8.2	8.6	8.4	8.2	8.3	---	---	---
11	9.5	9.0	9.2	9.1	8.6	9.0	8.5	8.3	8.4	---	---	---
12	9.0	8.8	8.9	9.2	8.6	8.8	8.4	8.1	8.3	---	---	---
13	8.8	8.7	8.8	9.2	8.7	9.0	8.2	7.9	8.2	---	---	---
14	9.0	8.8	8.9	8.7	8.2	8.5	8.4	7.8	8.2	9.2	8.8	9.0
15	9.1	8.7	8.9	8.5	8.2	8.3	8.5	7.9	8.3	9.0	8.7	8.9
16	8.9	8.5	8.8	8.6	8.1	8.4	8.6	7.9	8.3	9.0	8.5	8.7
17	8.7	8.2	8.5	8.7	8.4	8.6	8.6	8.3	8.4	9.5	9.0	9.3
18	8.8	8.2	8.4	8.5	8.0	8.2	8.8	8.3	8.6	9.7	9.2	9.5
19	8.8	8.3	8.6	8.3	7.8	8.1	9.2	8.5	8.8	9.6	9.1	9.4
20	8.7	8.2	8.5	8.5	8.0	8.3	9.3	8.7	9.0	9.4	8.9	9.1
21	8.9	8.0	8.5	8.9	8.2	8.6	9.4	8.9	9.1	9.1	8.8	9.0
22	9.0	8.2	8.7	8.9	8.8	8.9	9.6	9.2	9.3	9.0	8.6	8.8
23	9.2	8.4	8.8	8.8	8.6	8.7	9.4	9.0	9.2	8.8	8.3	8.6
24	9.5	8.6	9.1	8.7	8.3	8.4	9.0	8.7	8.9	8.8	8.3	8.5
25	9.6	8.9	9.3	8.6	7.8	8.2	9.0	8.6	8.8	8.8	8.3	8.5
26	9.6	8.8	9.1	8.4	7.7	8.1	8.9	8.3	8.6	8.7	8.2	8.4
27	9.2	8.6	8.9	8.4	7.7	8.1	8.7	8.2	8.5	8.5	8.0	8.3
28	8.9	8.3	8.6	8.1	7.5	7.8	8.6	8.1	8.3	8.4	7.8	8.1
29	8.7	8.0	8.3	8.3	7.5	7.8	8.3	7.8	8.0	8.3	7.8	8.0
30	8.7	7.8	8.3	8.0	7.4	7.8	8.1	7.7	7.9	8.1	7.8	8.0
31	---	---	---	8.2	7.4	7.8	7.8	7.5	7.6	---	---	---
Month	10.3	7.8	9.0	9.4	7.4	8.4	---	---	---	---	---	---