



Water-Data Report 2007

01055000 SWIFT RIVER NEAR ROXBURY, ME

Androscoggin Basin
Lower Androscoggin Subbasin

LOCATION.--Lat 44°38'34", long 70°35'20" referenced to North American Datum of 1983, Oxford County, ME, 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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: June 1929 to current year.

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. 4-22 and Dec. 28 to Apr. 15, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft³/s, Oct. 24, 1959, gage height, 12.87 ft; minimum discharge, 2.7 ft³/s, Sept. 10-11, 2002.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 21	0030	7,410	8.72
Oct 28	2315	*9,070	*9.53
Nov 17	1145	4,130	6.77
Apr 23	2015	4,200	6.82
May 16	1500	3,160	6.05

Minimum discharge, 17 ft³/s, Sept. 8-9, gage height, 1.11 ft.

01055000 SWIFT RIVER NEAR ROXBURY, ME—Continued

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	47	398	265	e88	e55	e48	e231	1,260	129	24	27	32
2	40	368	451	e101	e58	e47	e294	1,030	127	23	22	27
3	37	295	252	e95	e63	e48	e244	905	139	23	61	24
4	36	230	e190	e91	e62	e51	e200	795	207	22	65	21
5	48	197	e129	e87	e58	e50	e175	775	925	30	34	19
6	47	180	e125	e242	e55	e46	e152	684	429	37	180	18
7	39	171	e136	e299	e54	e44	e133	653	222	29	241	18
8	36	174	e121	e255	e53	e43	e123	877	158	28	229	18
9	34	881	e112	e217	e53	e41	e111	977	146	34	210	20
10	32	479	e106	e154	e52	e41	e100	891	176	68	85	75
11	31	293	e102	e126	e52	e43	e97	762	121	46	57	58
12	549	235	e97	e112	e52	e48	e116	592	96	811	45	100
13	250	394	e97	e103	e52	e53	e124	372	83	146	52	64
14	124	867	e127	e97	e52	e71	e128	270	75	78	45	41
15	89	709	e133	e93	e51	e134	e159	265	66	64	36	172
16	73	427	e130	e90	e53	e203	546	1,670	58	79	37	161
17	66	2,150	e124	e86	e54	e158	829	1,200	53	49	63	75
18	811	845	e122	e83	e54	e161	1,240	561	54	40	76	52
19	385	480	e112	e80	e53	e143	1,170	496	45	92	47	42
20	798	344	e91	e77	e51	e121	1,210	745	42	167	37	36
21	2,290	266	e82	e75	e50	e101	1,460	1,030	45	137	32	32
22	543	226	e73	e72	e50	e120	1,560	486	40	69	28	30
23	493	204	431	e70	e50	e255	2,400	334	43	47	26	29
24	608	190	509	e68	e50	e346	3,010	274	39	39	33	26
25	486	170	262	e65	e50	e314	1,440	253	34	35	97	23
26	435	156	212	e64	e50	e305	908	209	33	30	137	22
27	301	152	191	e62	e50	e308	931	169	29	28	67	22
28	2,010	148	e135	e61	e50	e480	1,100	162	29	116	43	129
29	2,940	150	e104	e59	---	e404	1,430	135	30	65	34	60
30	765	162	e94	e58	---	e288	1,580	114	26	42	30	41
31	466	---	e89	e57	---	e251	---	109	---	33	31	---
Total	14,909	11,941	5,204	3,287	1,487	4,766	23,201	19,055	3,699	2,531	2,207	1,487
Mean	481	398	168	106	53.1	154	773	615	123	81.6	71.2	49.6
Max	2,940	2,150	509	299	63	480	3,010	1,670	925	811	241	172
Min	31	148	73	57	50	41	97	109	26	22	22	18
Cfsm	4.96	4.11	1.73	1.09	0.55	1.59	7.98	6.34	1.27	0.84	0.73	0.51
In.	5.72	4.58	2.00	1.26	0.57	1.83	8.91	7.32	1.42	0.97	0.85	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	157	218	161	113	92.1	199	627	483	180	85.6	61.8	74.0
Max	711	644	758	676	463	1,315	1,229	1,032	792	483	277	497
(WY)	(2006)	(1964)	(1974)	(1996)	(1970)	(1936)	(2005)	(1972)	(1998)	(1996)	(1991)	(1954)
Min	14.9	28.5	15.7	17.8	17.3	20.8	255	111	42.4	18.1	9.66	6.10
(WY)	(1948)	(1979)	(1930)	(1948)	(1980)	(1967)	(1995)	(1941)	(1941)	(1952)	(2002)	(1948)

01055000 SWIFT RIVER NEAR ROXBURY, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1929 - 2007	
Annual total	99,612		93,774			
Annual mean	273		257		205	
Highest annual mean					366	1996
Lowest annual mean					103	1941
Highest daily mean	2,940	Oct 29	3,010	Apr 24	9,120	Apr 1, 1987
Lowest daily mean	28	Aug 19	18	Sep 6	2.9	Sep 10, 2002
Annual seven-day minimum	33	Sep 13	20	Sep 3	3.4	Sep 7, 2002
Maximum peak flow			9,070	Oct 28	16,800	Oct 24, 1959
Maximum peak stage			9.53	Oct 28	12.87	Oct 24, 1959
Instantaneous low flow			17	Sep 8	2.7	Sep 10, 2002
Annual runoff (cfsm)	2.82		2.65		2.11	
Annual runoff (inches)	38.24		36.00		28.69	
10 percent exceeds	641		769		499	
50 percent exceeds	148		97		84	
90 percent exceeds	43		32		22	

