



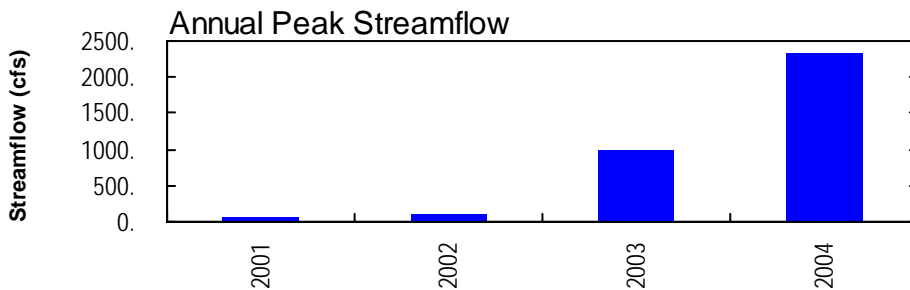
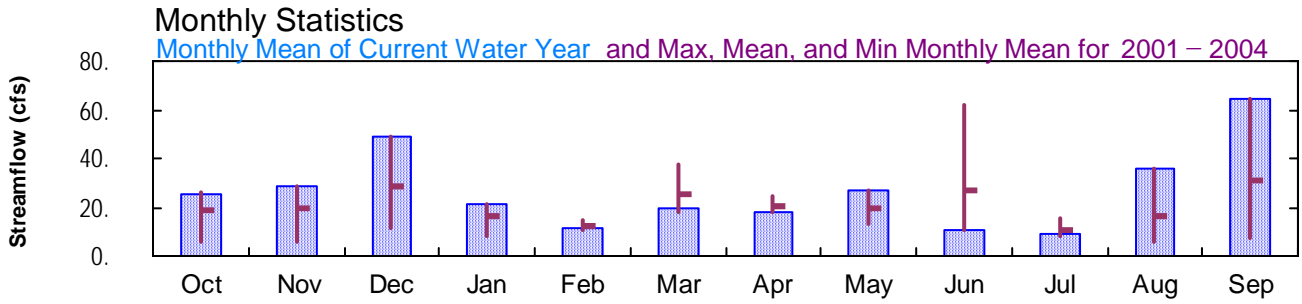
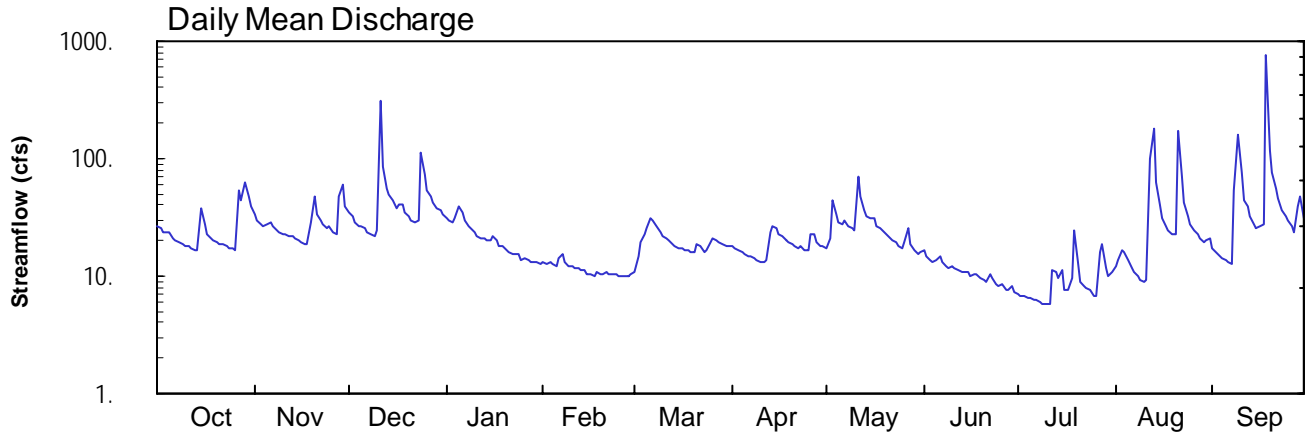
2004 Water Year  
PARADISE CREEK BASIN

01440485 Swiftwater Creek at Swiftwater, PA

Latitude: 41° 05 ' 38"  
Monroe County

Longitude: 075° 19 ' 21"  
Datum: 1114.73 feet

Hydrologic Unit Code: 02040104  
Drainage Area: 6.59 mi<sup>2</sup>



**PARADISE CREEK BASIN**

**01440485 SWIFTWATER CREEK AT SWIFTWATER, PA**

**LOCATION.**--Lat 41°05'38", long 75°19'21", Monroe County, Hydrologic Unit 02040104, on left bank at Aventis Pasteur Laboratories complex, at Discovery Drive in Swiftwater, Pocono Township, and 3.0 mi above mouth.

**DRAINAGE AREA.**--6.59 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 2001 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 1,114.73 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 18, 2001, nonrecording gage at site 500 ft downstream (datum undetermined).

**REMARKS.**--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 250 ft<sup>3</sup>/s (revised) and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Dec. 11	1230	1,070	3.57	Aug. 21	1245	872	3.37
Aug. 12	2145	831	3.32	Sept. 18	0800	*2,340	*4.57

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	33	36	31	13	11	18	18	16	7.1	12	17
2	25	30	32	29	12	15	17	21	15	6.8	14	16
3	24	28	29	28	13	19	16	44	14	6.8	16	15
4	24	26	27	31	13	23	16	34	13	6.6	16	14
5	23	28	26	39	12	25	15	29	14	6.5	14	14
6	21	29	26	34	14	31	15	27	15	6.3	12	13
7	20	26	24	30	15	30	15	30	13	6.2	11	13
8	20	24	23	e26	13	27	14	26	12	6.1	10	54
9	19	23	22	e25	12	24	14	26	12	5.8	9.3	157
10	18	23	24	e23	12	22	13	25	12	5.8	9.0	75
11	18	23	305	e22	12	21	13	71	12	5.7	9.4	44
12	17	22	85	e21	12	20	14	47	11	11	99	38
13	16	22	55	e21	11	19	23	37	11	11	179	32
14	17	21	49	e20	11	18	27	32	11	9.4	64	27
15	38	20	43	e20	e10	17	25	30	11	11	40	25
16	28	19	38	e22	e10	17	23	31	10	7.7	31	26
17	23	19	41	e20	e10	17	21	27	10	7.5	27	28
18	21	18	40	e18	11	16	20	25	10	9.8	24	758
19	20	29	35	e18	10	16	19	24	9.7	24	22	115
20	19	48	32	e17	10	16	19	23	9.1	13	22	76
21	19	34	30	e16	11	19	18	22	8.9	9.0	171	55
22	18	30	29	e15	11	18	17	20	10	8.1	71	46
23	18	27	29	e15	10	16	18	19	9.8	7.9	42	37
24	17	26	113	e15	11	16	17	18	8.5	7.6	33	32
25	17	26	72	e14	10	19	16	17	8.3	6.7	27	29
26	17	24	54	e14	9.9	21	22	19	8.4	6.7	25	27
27	54	23	48	e14	9.9	20	23	25	7.7	16	22	24
28	44	47	42	e13	10	19	19	18	7.7	19	21	39
29	62	61	38	e13	10	18	18	16	8.3	12	19	48
30	47	40	36	e13	---	18	18	15	7.4	10	20	31
31	39	---	33	e12	---	18	---	16	---	11	21	---
TOTAL	789	849	1516	649	328.8	606	543	832	325.8	288.1	1112.7	1925
MEAN	25.5	28.3	48.9	20.9	11.3	19.5	18.1	26.8	10.9	9.29	35.9	64.2
MAX	62	61	305	39	15	31	27	71	16	24	179	758
MIN	16	18	22	12	9.9	11	13	15	7.4	5.7	9.0	13
CFSM	3.86	4.29	7.42	3.18	1.72	2.97	2.75	4.07	1.65	1.41	5.45	9.74
IN.	4.45	4.79	8.56	3.66	1.86	3.42	3.07	4.70	1.84	1.63	6.28	10.87

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)**

MEAN	18.9	19.2	28.3	16.1	12.2	24.9	20.2	19.5	27.3	10.4	16.1	30.7
MAX	25.7	28.3	48.9	20.9	15.0	37.3	24.2	26.8	62.1	15.5	35.9	64.2
(WY)	2003	2004	2004	2004	2003	2003	2003	2004	2003	2003	2004	2004
MIN	5.65	5.90	11.3	7.81	10.5	18.0	18.1	13.1	10.9	8.36	5.59	7.63
(WY)	2002	2002	2002	2002	2002	2002	2004	2001	2004	2002	2002	2002

e Estimated.

PARADISE CREEK BASIN

01440485 SWIFTWATER CREEK AT SWIFTWATER, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	10643		9764.4			
ANNUAL MEAN	29.2		26.7		21.8	
HIGHEST ANNUAL MEAN					26.7	
LOWEST ANNUAL MEAN					12.0	
HIGHEST DAILY MEAN	305	Dec 11	758	Sep 18	758	Sep 18 2004
LOWEST DAILY MEAN	10	Feb 20,21 <sup>a</sup>	5.7	Jul 11	4.2	Sep 9 2002 <sup>b</sup>
ANNUAL SEVEN-DAY MINIMUM	11	Aug 25	6.1	Jul 5	4.2	Sep 8 2002
MAXIMUM PEAK FLOW			c2340	Sep 18	c2340	Sep 18 2004
MAXIMUM PEAK STAGE			4.57	Sep 18	4.57	Sep 18 2004
ANNUAL RUNOFF (CFSM)	4.42		4.05		3.31	
ANNUAL RUNOFF (INCHES)	60.08		55.12		44.97	
10 PERCENT EXCEEDS	49		41		38	
50 PERCENT EXCEEDS	20		19		16	
90 PERCENT EXCEEDS	12		9.9		6.5	

**a** Also July 30, 31, Aug. 31.

**b** Also Sept. 10, 11, 13, 14.

**c** From rating curve extended above 1,000 ft<sup>3</sup>/s.