



2005 Water Year
PARADISE CREEK BASIN
01440485 Swiftwater Creek at Swiftwater, PA

Latitude: 41° 05' 38"

Longitude: 075° 19' 21"

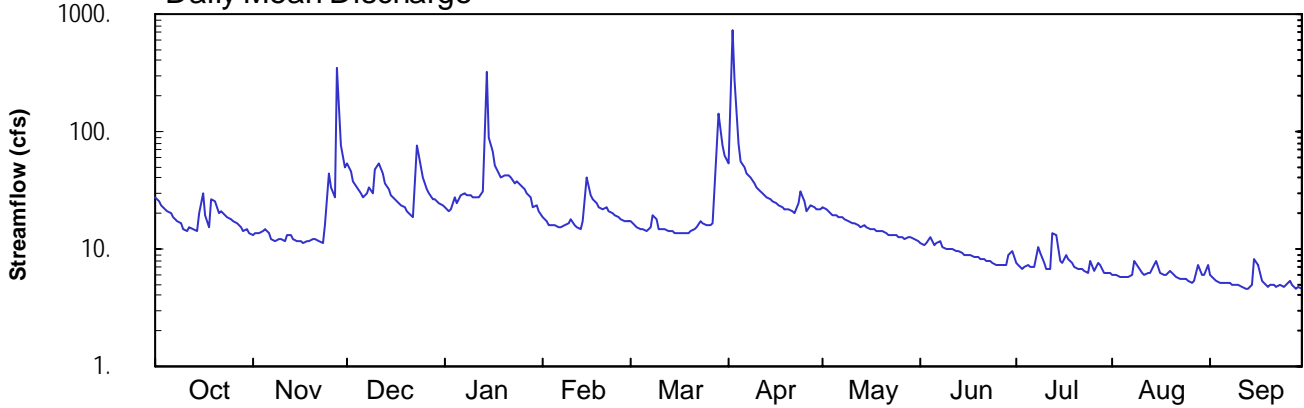
Hydrologic Unit Code: 02040104

Monroe County

Datum: 1114.73 feet

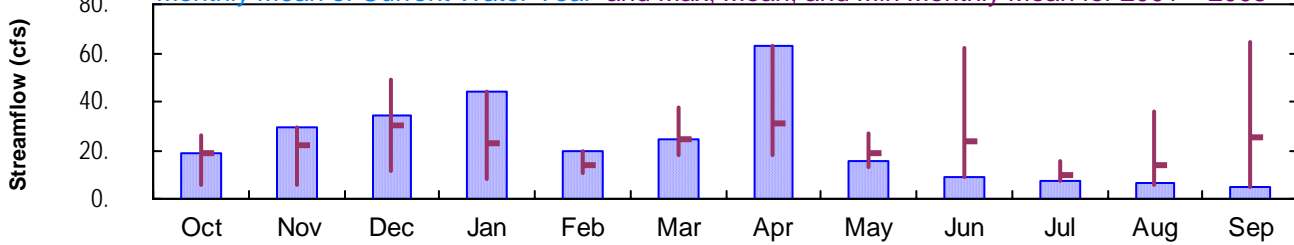
Drainage Area: 6.59 mi²

Daily Mean Discharge

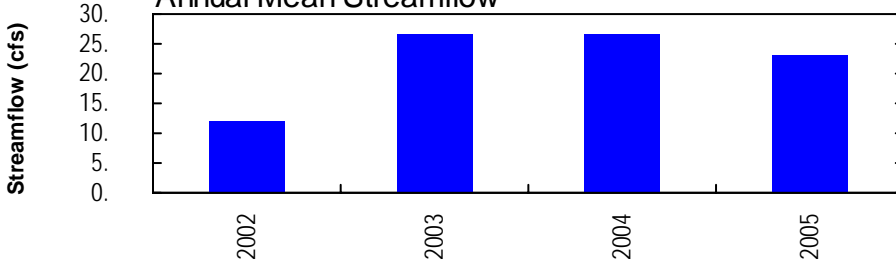


Monthly Statistics

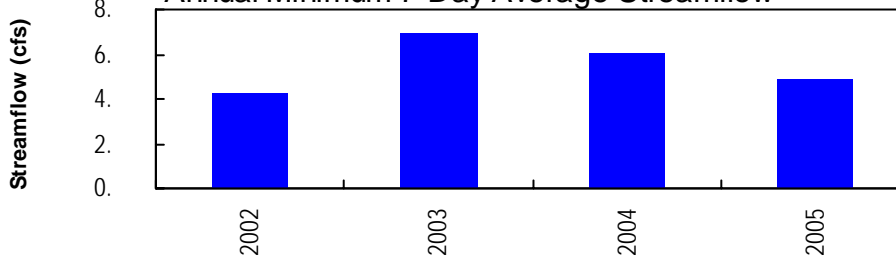
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2005



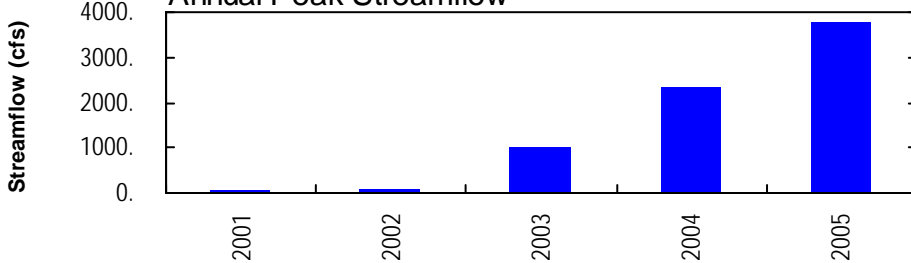
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 mi².

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 above 640 ft³/s and 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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	1015	1,500	3.99	Mar. 29	0000	258	2.25
Dec. 23	1745	269	2.34	Apr. 2	1945	*3,780	*5.30
Jan. 14	0530	1,340	3.85				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	13	54	23	19	17	54	22	11	7.6	6.1	6.1
2	25	13	46	21	17	16	737	22	11	7.2	6.0	5.5
3	24	13	37	22	16	15	276	21	11	6.9	5.9	5.3
4	22	14	33	28	16	15	80	20	13	7.0	5.8	5.2
5	21	15	30	25	16	15	57	19	11	7.3	5.9	5.2
6	21	13	28	29	16	14	49	19	11	7.2	5.8	5.1
7	19	12	30	30	16	15	44	18	12	7.0	6.1	5.1
8	17	12	34	29	16	20	41	18	10	10	8.1	5.0
9	17	12	30	28	17	e18	36	18	10	9.1	7.0	5.0
10	15	12	47	28	18	e15	33	17	10	7.5	6.2	5.0
11	14	12	54	28	16	15	31	16	9.9	6.9	6.1	4.7
12	15	13	44	28	15	15	29	16	9.7	6.8	6.2	4.6
13	15	13	36	31	15	14	28	16	9.5	14	6.1	4.7
14	14	12	32	325	17	14	27	16	9.1	13	7.2	5.0
15	20	12	29	90	40	14	26	16	8.9	8.0	8.0	8.2
16	30	12	27	67	29	14	25	15	8.9	7.7	6.2	7.4
17	19	11	26	51	27	13	24	14	8.7	9.0	6.0	5.4
18	16	11	24	45	24	14	23	14	8.5	8.4	6.0	5.1
19	27	12	23	41	23	14	22	14	8.6	7.5	6.5	4.8
20	25	12	21	43	22	14	21	14	8.3	7.0	6.1	4.9
21	20	12	19	e42	22	15	21	14	8.1	6.7	5.8	4.9
22	21	12	19	e40	21	15	20	13	8.0	6.7	5.5	4.7
23	19	11	77	e36	20	17	25	13	7.9	6.5	5.5	4.9
24	19	16	62	e38	19	17	31	13	7.6	6.3	5.5	4.8
25	18	44	41	e35	18	16	25	13	7.4	7.8	5.4	4.9
26	17	34	32	e32	18	16	21	13	7.3	6.6	5.2	5.4
27	16	27	30	e30	17	17	24	12	7.3	7.6	5.4	5.0
28	15	343	27	e28	17	70	23	13	7.4	7.4	7.4	4.6
29	14	75	26	e23	---	140	22	13	8.9	6.4	6.1	4.8
30	15	50	25	e24	---	77	22	12	9.6	6.4	6.0	4.6
31	14	---	24	21	---	62	---	11	---	6.2	7.4	---
TOTAL	592	873	1067	1361	547	763	1897	485	279.6	239.7	192.5	155.9
MEAN	19.1	29.1	34.4	43.9	19.5	24.6	63.2	15.6	9.32	7.73	6.21	5.20
MAX	30	343	77	325	40	140	737	22	13	14	8.1	8.2
MIN	14	11	19	21	15	13	20	11	7.3	6.2	5.2	4.6
CFSM	2.90	4.42	5.22	6.66	2.96	3.73	9.60	2.37	1.41	1.17	0.94	0.79
IN.	3.34	4.93	6.02	7.68	3.09	4.31	10.71	2.74	1.58	1.35	1.09	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	19.0	21.7	29.8	23.1	14.1	24.9	31.0	18.7	23.7	9.89	14.1	25.6
MAX	25.7	29.1	48.9	43.9	19.5	37.3	63.2	26.8	62.1	15.5	35.9	64.2
(WY)	2003	2005	2004	2005	2005	2003	2005	2004	2003	2003	2004	2004
MIN	5.65	5.90	11.3	7.81	10.5	18.0	18.1	13.1	9.32	7.73	5.59	5.20
(WY)	2002	2002	2002	2002	2002	2002	2004	2001	2005	2005	2002	2005

e Estimated.

PARADISE CREEK BASIN

01440485 SWIFTWATER CREEK AT SWIFTWATER, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	9142.4		8452.7			
ANNUAL MEAN	25.0		23.2		22.1	
HIGHEST ANNUAL MEAN					26.7	2003
LOWEST ANNUAL MEAN					12.0	2002
HIGHEST DAILY MEAN	758	Sep 18	737	Apr 2	758	Sep 18 2004
LOWEST DAILY MEAN	5.7	Jul 11	4.6	Sep 12 ^a	4.2	Sep 9 2002 ^b
ANNUAL SEVEN-DAY MINIMUM	6.1	Jul 5	4.8	Sep 19	4.2	Sep 8 2002
MAXIMUM PEAK FLOW			c3780	Apr 2	c3780	Apr 2 2005
MAXIMUM PEAK STAGE			5.30	Apr 2	5.30	Apr 2 2005
ANNUAL RUNOFF (CFSM)	3.79		3.51		3.36	
ANNUAL RUNOFF (INCHES)	51.61		47.71		45.66	
10 PERCENT EXCEEDS	37		36		37	
50 PERCENT EXCEEDS	17		15		16	
90 PERCENT EXCEEDS	9.9		5.9		6.2	

a Also Sept. 28, 30.
 b Also Sept. 10, 11, 13, 14, 2002.
 c From rating curve extended above 640 ft³/s.

