

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 good 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 100 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Sept. 16	0345	*109	*1.59	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	5.4	28	e8.4	12	8.4	24	23	23	11	6.5	5.5
2	5.5	5.4	15	8.0	13	8.8	21	27	21	11	6.3	5.3
3	5.3	5.5	12	8.0	e12	28	21	25	19	10	6.3	4.9
4	5.3	5.0	11	7.9	e11	18	20	23	18	9.8	6.1	4.8
5	5.1	5.1	9.6	7.6	e11	17	19	21	18	9.5	6.3	4.5
6	5.5	5.0	9.2	e7.8	10	16	18	20	31	9.4	6.3	4.5
7	5.3	5.1	9.0	e8.0	10	15	17	19	62	9.4	6.0	4.5
8	5.1	5.0	8.8	7.6	9.8	14	17	18	33	9.0	6.0	4.4
9	5.1	5.1	9.6	7.6	9.6	14	17	18	27	8.9	5.7	4.2
10	5.2	5.2	8.9	7.8	11	19	17	18	25	8.7	5.6	4.2
11	5.1	4.8	8.7	8.1	17	16	16	17	23	8.4	5.5	4.2
12	5.1	4.8	8.6	7.7	13	15	15	20	21	8.2	5.4	4.3
13	5.1	4.8	9.4	7.6	11	14	14	25	20	8.1	5.2	4.2
14	5.6	4.9	12	7.2	10	14	15	31	25	8.1	5.1	4.2
15	8.9	4.9	13	7.2	10	13	26	24	26	8.0	5.1	7.8
16	6.1	5.0	11	7.2	10	13	19	23	22	7.7	5.2	35
17	6.3	4.9	11	7.2	10	13	18	21	19	7.4	5.2	10
18	5.8	4.7	15	6.9	9.7	13	17	40	18	7.5	4.9	8.6
19	5.7	4.7	15	e6.8	9.5	13	17	32	17	7.5	4.8	7.9
20	5.7	5.1	13	e6.8	e9.6	16	17	27	17	7.5	4.9	7.3
21	5.6	4.9	12	6.8	10	19	17	25	16	7.2	4.7	7.0
22	5.6	5.0	11	6.8	9.6	19	17	23	16	7.0	4.9	6.9
23	5.7	5.0	11	7.0	9.3	17	16	22	14	11	5.3	6.7
24	5.7	4.9	12	7.8	9.0	17	14	21	14	9.5	6.0	6.3
25	5.7	9.7	11	9.4	8.9	17	15	19	13	7.4	5.2	6.2
26	5.7	9.7	10	8.1	9.0	22	15	19	17	7.1	4.9	6.5
27	5.8	6.6	9.7	8.0	9.1	44	13	18	19	7.1	4.8	14
28	5.7	6.2	9.5	8.2	8.8	30	29	31	14	7.1	4.7	19
29	5.8	6.5	9.3	8.8	---	26	28	42	13	7.0	9.6	8.7
30	e5.6	18	9.0	9.8	---	25	24	27	12	7.0	5.6	7.4
31	e5.6	---	e8.8	10	---	23	---	24	---	6.6	5.1	---
TOTAL	175.0	176.9	351.1	242.1	292.9	557.2	553	743	633	259.1	173.2	229.0
MEAN	5.65	5.90	11.3	7.81	10.5	18.0	18.4	24.0	21.1	8.36	5.59	7.63
MAX	8.9	18	28	10	17	44	29	42	62	11	9.6	35
MIN	5.1	4.7	8.6	6.8	8.8	8.4	13	17	12	6.6	4.7	4.2
CFSM	0.86	0.89	1.72	1.19	1.59	2.73	2.80	3.64	3.20	1.27	0.85	1.16
IN.	0.99	1.00	1.98	1.37	1.65	3.15	3.12	4.19	3.57	1.46	0.98	1.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
MEAN	5.65	5.90	11.3	7.81	10.5	18.0	18.4	18.5	18.1	8.43	6.21	7.64
MAX	5.65	5.90	11.3	7.81	10.5	18.0	18.4	24.0	21.1	8.50	6.84	7.65
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	2001
MIN	5.65	5.90	11.3	7.81	10.5	18.0	18.4	13.1	15.2	8.36	5.59	7.63
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2001	2002	2002	2002

e Estimated.

PARADISE CREEK BASIN

01440485 SWIFTWATER CREEK AT SWIFTWATER, PA--Continued

SUMMARY STATISTICS	FOR 2002 WATER YEAR			WATER YEARS 2001 - 2002		
ANNUAL TOTAL	4385.5			12.0		
ANNUAL MEAN	12.0			12.0		
HIGHEST ANNUAL MEAN				2002		
LOWEST ANNUAL MEAN				2002		
HIGHEST DAILY MEAN	62	Jun	7	62	Jun	7 2002
LOWEST DAILY MEAN	4.2	Sep	9 ^a	4.2	Sep	9 2002 ^a
ANNUAL SEVEN-DAY MINIMUM	4.2	Sep	8	4.2	Sep	8 2002
MAXIMUM PEAK FLOW	109	Sep	16	109	Sep	16 2002
MAXIMUM PEAK STAGE	1.59	Sep	16	1.59	Sep	16 2002
ANNUAL RUNOFF (CFSM)	1.82			1.82		
ANNUAL RUNOFF (INCHES)	24.76			24.77		
10 PERCENT EXCEEDS	23			23		
50 PERCENT EXCEEDS	9.4			9.4		
90 PERCENT EXCEEDS	5.1			5.1		

a Also Sept. 10, 11, 13, 14.

