

SHERMAN CREEK BASIN

01568000 SHERMAN CREEK AT SHERMANS DALE, PA

LOCATION.--Lat 40°19'24", long 77°10'09", Perry County, Hydrologic Unit 02050305, on left bank on downstream side of bridge on State Highway 34 at Shermans Dale, and 1.2 mi upstream from Fishing Run.

DRAINAGE AREA.--207 mi².

PERIOD OF RECORD.--October 1929 to current year. Prior to October 1962, published as "*at Shermandale*".

REVISED RECORDS.--WSP 1302: 1930(M). WSP 1502: 1933, 1934(M), 1935-36. WDR PA-97-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 422.63 ft above sea level. Prior to Jan. 29, 1930, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 22, 1927, reached a stage of 20.34 ft, from floodmark, discharge, about 44,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 30	1400	3,120	6.38	June 22	1130	*3,230	*6.49

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	50	100	e102	706	171	897	218	120	159	45	25
2	53	49	91	e91	500	169	717	204	162	171	40	21
3	52	49	83	e88	371	166	591	191	274	134	35	19
4	49	50	71	e86	308	171	535	177	177	124	34	19
5	47	50	e65	e88	259	198	455	163	135	129	37	18
6	48	50	e65	e83	240	169	465	151	117	141	38	17
7	48	49	e62	e83	242	180	472	141	111	109	39	17
8	45	49	e67	e82	221	208	487	136	101	113	31	16
9	43	51	e65	e82	211	261	495	138	91	112	28	16
10	45	199	e62	e82	303	262	673	132	85	94	36	17
11	48	195	e67	e85	308	257	588	120	83	86	47	17
12	46	100	e62	e85	247	258	637	115	80	79	45	17
13	43	82	e60	e83	240	660	564	107	125	73	42	18
14	42	76	e62	e85	233	674	492	100	108	70	37	20
15	40	70	e65	e85	278	555	457	99	80	66	34	19
16	42	65	e107	e82	269	503	1050	95	88	64	30	19
17	45	63	1330	e81	300	573	1020	91	242	61	36	18
18	178	61	840	e94	250	553	793	92	130	59	32	18
19	198	58	427	e151	220	455	645	92	85	59	28	18
20	87	57	304	e289	229	413	553	88	77	57	28	23
21	69	56	e248	e314	217	645	498	113	213	54	26	25
22	62	64	e204	e252	185	2110	449	197	1510	52	25	23
23	57	59	e148	e188	179	1110	404	548	2030	49	24	21
24	56	76	e131	e169	189	806	367	246	860	47	23	35
25	55	80	e115	e157	192	641	330	160	516	47	23	70
26	55	115	e115	e155	229	540	300	332	372	47	23	64
27	53	189	e109	e146	204	461	280	318	291	53	22	39
28	54	121	e112	e131	181	410	262	235	240	49	22	28
29	52	100	e104	e146	---	388	240	184	206	47	20	24
30	49	105	e102	317	---	2270	226	151	178	48	19	20
31	49	---	e97	693	---	1300	---	128	---	47	37	---
TOTAL	1864	2438	5540	4655	7511	17537	15942	5262	8887	2500	986	721
MEAN	60.1	81.3	179	150	268	566	531	170	296	80.6	31.8	24.0
MAX	198	199	1330	693	706	2270	1050	548	2030	171	47	70
MIN	40	49	60	81	179	166	226	88	77	47	19	16
CFSM	.29	.39	.86	.73	1.30	2.73	2.57	.82	1.43	.39	.15	.12
IN.	.33	.44	1.00	.84	1.35	3.15	2.86	.95	1.60	.45	.18	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

MEAN	145	247	312	322	406	610	545	391	210	117	98.5	100
MAX	905	924	968	1144	1253	1941	1675	1196	1969	1187	777	954
(WY)	1977	1971	1997	1996	1984	1936	1993	1978	1972	1989	1933	1996
MIN	18.5	22.1	22.7	22.0	54.2	133	161	88.8	48.4	18.9	18.1	18.6
(WY)	1964	1931	1931	1981	1931	1931	1997	1941	1965	1966	1930	1930

e Estimated.

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01568000 SHERMAN CREEK AT SHERMANS DALE, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR			WATER YEARS 1930 - 2001		
ANNUAL TOTAL	86821			73843					
ANNUAL MEAN	237			202			291		
HIGHEST ANNUAL MEAN							544		
LOWEST ANNUAL MEAN							122		
HIGHEST DAILY MEAN	2090	Mar 22		2270	Mar 30		18300	Jun 23	1972
LOWEST DAILY MEAN	40	Oct 15		16	Sep 8,9		10	Dec 24	1930
ANNUAL SEVEN-DAY MINIMUM	44	Oct 10		17	Sep 6		11	Dec 19	1930
MAXIMUM PEAK FLOW				3230			a27500		
MAXIMUM PEAK STAGE				6.49			18.09		
INSTANTANEOUS LOW FLOW				15			3.9		
ANNUAL RUNOFF (CFSM)	1.15			.98			1.41		
ANNUAL RUNOFF (INCHES)	15.60			13.27			19.12		
10 PERCENT EXCEEDS	581			501			651		
50 PERCENT EXCEEDS	130			100			142		
90 PERCENT EXCEEDS	51			28			31		

a From rating curve extended above 18,000 ft³/s.

