



2004 Water Year SHERMAN CREEK BASIN

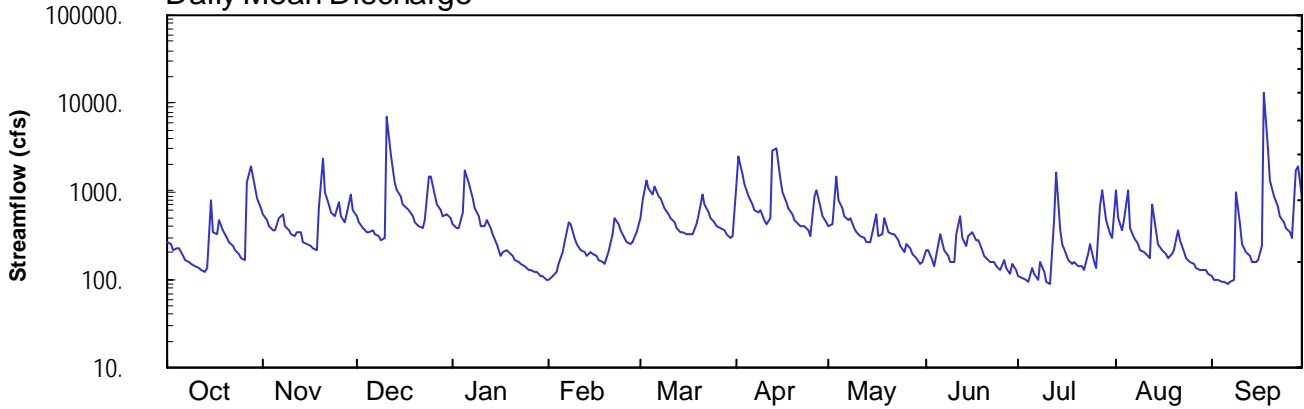
01568000 Sherman Creek at Shermans Dale, PA

Latitude: 40° 19' 24"
Perry County

Longitude: 077° 10' 09"
Datum: 422.63 feet

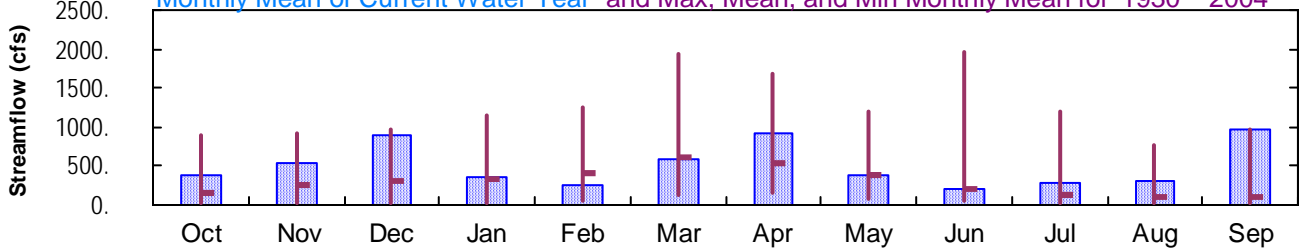
Hydrologic Unit Code: 02050305
Drainage Area: 207. mi²

Daily Mean Discharge

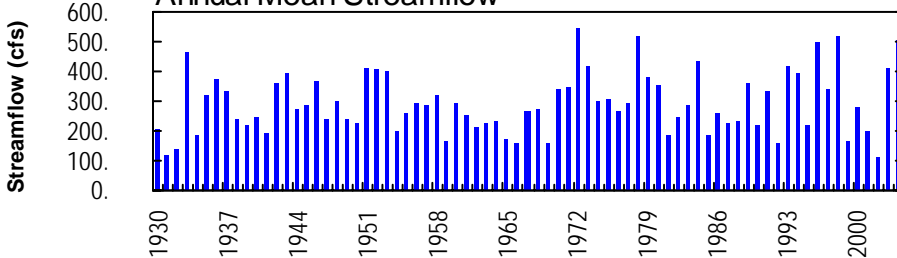


Monthly Statistics

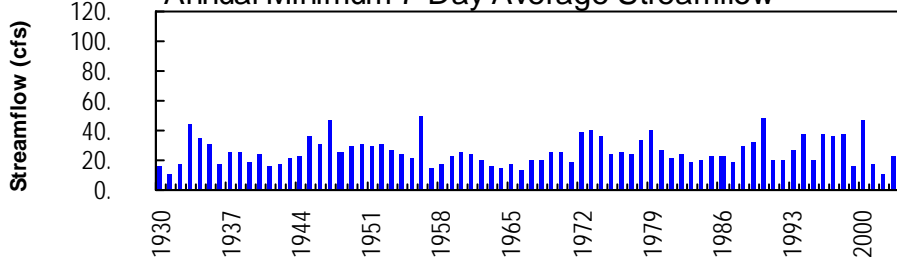
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1930 – 2004



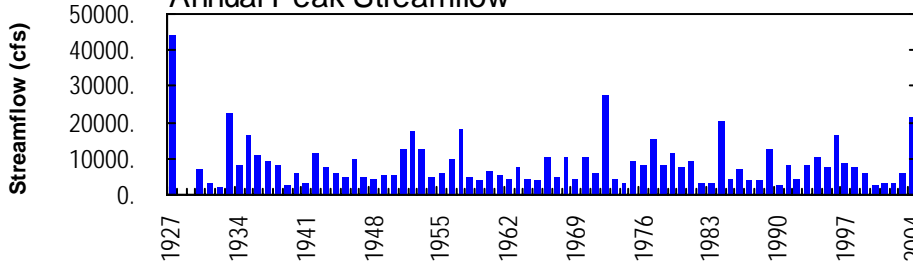
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



01568000-Sherman Creek at Shermans Dale

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 National Geodetic Vertical Datum of 1929. 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)
Oct. 27	2015	3,300	6.56	July 13	0215	3,540	6.79
Nov. 20	0500	3,390	6.65	Sept. 18	1130	*21,700	*16.31
Dec. 11	1300	9,990	11.38	Sept. 28	2230	3,790	7.02
Apr. 14	0245	4,590	7.72				

**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	269	543	531	416	e100	e500	1220	404	218	109	1010	108
2	256	467	447	390	e110	e800	2530	429	214	103	488	101
3	220	411	385	389	e120	1300	1520	1470	164	97	363	97
4	222	366	347	579	e150	1060	1190	808	143	94	482	95
5	228	367	348	1730	e200	932	897	641	247	132	1010	93
6	189	503	364	1240	e270	1110	702	535	320	117	386	91
7	169	540	325	839	e450	875	619	465	219	98	300	92
8	158	403	305	e650	e430	822	573	489	181	157	256	98
9	148	355	285	e520	e300	649	596	384	158	124	219	967
10	140	328	300	e400	e250	547	468	352	157	95	202	456
11	133	317	6970	e410	e220	485	424	318	330	88	190	253
12	128	351	2680	e460	e200	448	498	289	509	493	179	205
13	121	343	1280	e380	e180	389	2860	264	292	1650	711	181
14	136	271	1010	e320	e200	350	3080	261	240	363	359	160
15	777	250	865	e250	e190	344	1410	340	312	252	253	160
16	351	234	696	e180	e180	330	972	549	337	195	211	166
17	332	225	645	e200	e170	333	770	307	277	164	190	239
18	477	212	619	e220	e160	319	644	331	285	152	172	12900
19	354	644	520	e200	e150	428	552	505	220	157	195	3100
20	295	2380	456	e180	e200	523	481	343	187	144	221	1300
21	265	988	401	e170	e320	940	431	327	164	144	359	892
22	243	700	377	e160	e500	722	396	327	154	127	278	663
23	218	566	471	e150	e420	577	404	283	154	199	207	527
24	197	528	1460	e140	e370	500	356	235	140	251	176	438
25	179	755	1490	e130	e300	452	314	207	126	158	158	383
26	170	518	922	e130	e260	411	872	254	166	136	147	341
27	1250	458	717	e120	e250	385	1010	229	133	667	136	302
28	1880	571	603	e120	e270	360	669	194	117	1040	128	1680
29	1130	903	533	e110	e350	320	532	171	149	462	128	1940
30	853	606	537	e110	---	300	456	154	127	327	127	856
31	643	---	486	e100	---	303	---	162	---	298	116	---
TOTAL	12131	16103	27375	11393	7270	17814	27446	12027	6440	8593	9357	28884
MEAN	391	537	883	368	251	575	915	388	215	277	302	963
MAX	1880	2380	6970	1730	500	1300	3080	1470	509	1650	1010	12900
MIN	121	212	285	100	100	300	314	154	117	88	116	91
CFSM	1.89	2.59	4.27	1.78	1.21	2.78	4.42	1.87	1.04	1.34	1.46	4.65
IN.	2.18	2.89	4.92	2.05	1.31	3.20	4.93	2.16	1.16	1.54	1.68	5.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	148	249	317	320	397	610	546	394	215	118	101	115
MAX	905	924	968	1144	1253	1941	1675	1196	1969	1187	777	963
(WY)	1977	1971	1997	1996	1984	1936	1993	1978	1972	1989	1933	2004
MIN	18.5	22.1	22.7	22.0	54.2	133	161	88.8	48.4	18.9	14.4	18.6
(WY)	1964	1931	1931	1981	1931	1931	1997	1941	1965	1966	2002	1930

e Estimated.

SHERMAN CREEK BASIN

01568000 SHERMAN CREEK AT SHERMANS DALE, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	179860		184833			
ANNUAL MEAN	493		505		294	
HIGHEST ANNUAL MEAN					544	
LOWEST ANNUAL MEAN					114	
HIGHEST DAILY MEAN	6970	Dec 11	12900	Sep 18	18300	Jun 23 1972
LOWEST DAILY MEAN	57	Jul 31	88	Jul 11	9.9	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	68	Jul 26	95	Sep 2	10	Aug 14 2002
MAXIMUM PEAK FLOW			a 21700	Sep 18	a 27500	Jun 23 1972
MAXIMUM PEAK STAGE			16.31	Sep 18	18.09	Jun 23 1972
INSTANTANEOUS LOW FLOW			87	Jul 11,12	3.9	Dec 1 1930
ANNUAL RUNOFF (CFSM)	2.38		2.44		1.42	
ANNUAL RUNOFF (INCHES)	32.32		33.22		19.27	
10 PERCENT EXCEEDS	985		948		655	
50 PERCENT EXCEEDS	350		328		144	
90 PERCENT EXCEEDS	100		130		31	

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