



2005 Water Year
SHERMAN CREEK BASIN
01568000 Sherman Creek at Shermans Dale, PA

Latitude: 40° 19' 24"

Longitude: 077° 10' 09"

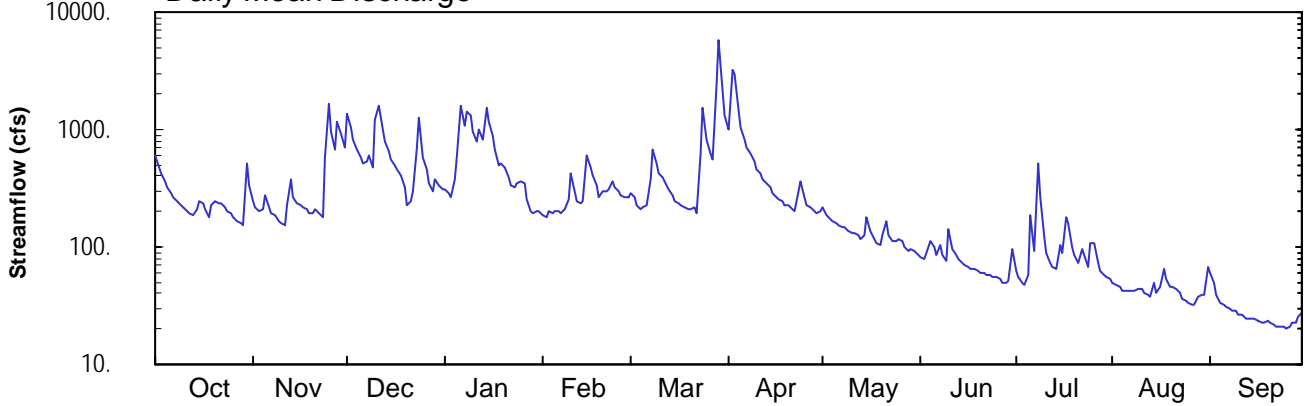
Hydrologic Unit Code: 02050305

Perry County

Datum: 422.63 feet

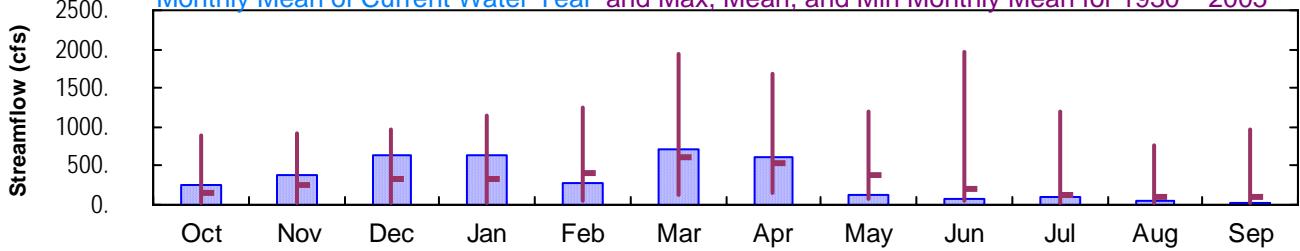
Drainage Area: 207. mi²

Daily Mean Discharge

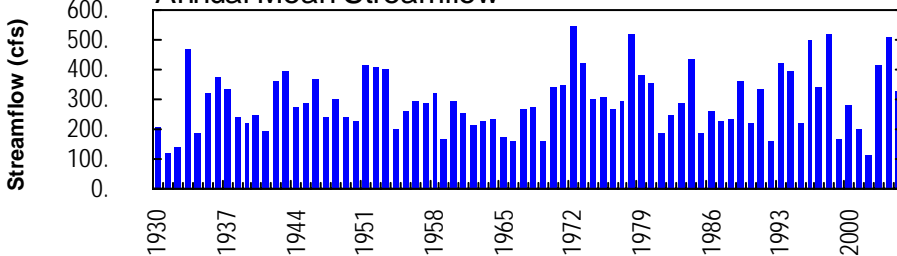


Monthly Statistics

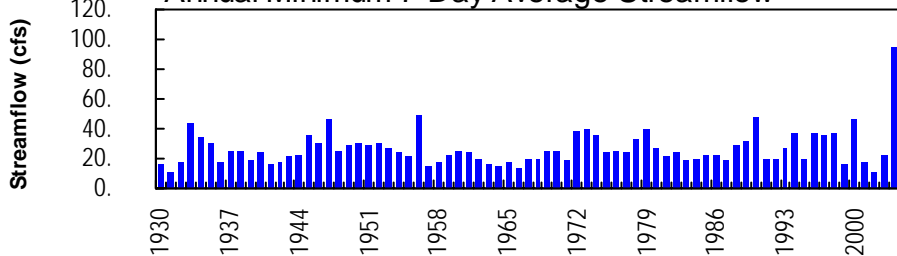
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1930 – 2005



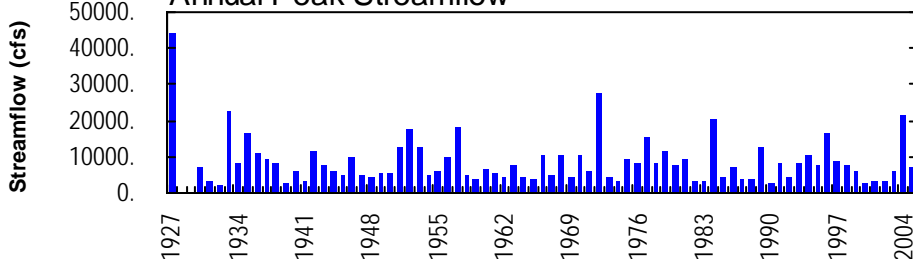
Annual Mean Streamflow



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)
Mar. 29	1015	*7,200	*9.68	Apr. 2	1815	6,730	9.36

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	602	246	1350	310	e190	292	1000	218	83	64	50	59
2	485	215	1060	283	e180	267	3200	190	80	55	48	50
3	423	201	822	267	e200	225	3000	176	88	50	45	39
4	362	210	678	382	e195	212	1460	166	114	47	43	34
5	318	276	587	574	e200	219	1030	157	98	57	42	32
6	285	222	509	1600	198	224	833	153	86	185	42	31
7	263	198	544	1100	197	381	707	150	104	93	42	30
8	243	184	594	1410	211	e690	622	147	87	515	42	29
9	231	168	484	1310	251	e525	527	139	76	260	44	28
10	218	157	1200	954	428	e420	465	133	141	121	44	27
11	203	154	1600	787	296	389	417	130	98	89	41	26
12	196	223	1010	995	248	358	375	124	86	74	39	25
13	190	370	793	828	233	316	348	115	79	66	38	24
14	211	268	653	1520	248	278	319	127	73	65	49	24
15	244	238	554	1160	605	249	292	182	70	103	40	24
16	237	228	491	e900	e485	233	268	138	68	90	45	23
17	206	217	459	e675	e400	225	253	117	65	180	66	23
18	177	206	e400	e500	e330	217	243	110	64	158	54	23
19	225	197	e320	e510	e270	207	231	105	62	101	46	24
20	243	195	e225	e485	299	209	223	126	61	85	45	23
21	235	211	e250	e390	299	217	212	166	60	73	44	22
22	236	192	e300	e330	310	196	204	124	59	97	40	21
23	218	180	691	e325	366	630	301	111	59	87	37	21
24	202	581	1250	e350	318	1540	370	114	57	68	35	21
25	192	1690	e575	e365	299	829	261	119	55	106	33	20
26	179	978	e460	e350	271	636	228	114	53	108	32	21
27	166	685	e350	e255	263	551	219	100	50	75	32	23
28	158	1180	e300	e200	270	2420	203	94	49	63	38	23
29	153	922	377	e195	---	5840	194	98	51	58	40	25
30	509	717	334	e205	---	2200	205	93	94	55	40	27
31	334	---	313	e200	---	1330	---	87	---	53	67	---
TOTAL	8144	11709	19533	19715	8060	22525	18210	4123	2270	3301	1343	822
MEAN	263	390	630	636	288	727	607	133	75.7	106	43.3	27.4
MAX	602	1690	1600	1600	605	5840	3200	218	141	515	67	59
MIN	153	154	225	195	180	196	194	87	49	47	32	20
CFSM	1.27	1.89	3.04	3.07	1.39	3.51	2.93	0.64	0.37	0.51	0.21	0.13
IN.	1.46	2.10	3.51	3.54	1.45	4.05	3.27	0.74	0.41	0.59	0.24	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	149	251	321	324	396	611	547	391	213	118	100	113
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	168610		119755			
ANNUAL MEAN	461		328		294	
HIGHEST ANNUAL MEAN					544	1972
LOWEST ANNUAL MEAN					114	2002
HIGHEST DAILY MEAN	12900	Sep 18	5840	Mar 29	18300	Jun 23 1972
LOWEST DAILY MEAN	88	Jul 11	20	Sep 25	9.9	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	95	Sep 2	21	Sep 20	10	Aug 14 2002
MAXIMUM PEAK FLOW			7200	Mar 29	^a 27500	Jun 23 1972
MAXIMUM PEAK STAGE			9.68	Mar 29	18.09	Jun 23 1972
INSTANTANEOUS LOW FLOW			20	Sep 24	3.9	Dec 1 1930
ANNUAL RUNOFF (CFSM)	2.23		1.59		1.42	
ANNUAL RUNOFF (INCHES)	30.30		21.52		19.30	
10 PERCENT EXCEEDS	925		711		657	
50 PERCENT EXCEEDS	300		203		145	
90 PERCENT EXCEEDS	133		40		31	

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

