

Monthly Mean Streamflow

Lat = 40 24 09

Swatara Creek at Harper Tavern, PA

Lon = 76 34 39

Flood Stage = 9 ft

Period of Record 1919 - 2007

Floods = INC

YEAR	No Incomplete Data is used for Statistical Calculation - Discharge, cubic feet per second												Avg
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1919	907	534	1,103	669	785	787	929	298	114	242	882	798	671
1920	248	230	2,985	1,082	295	281	155	232	338	311	424	1,149	644
1921	448	504	1,230	642	1,122	130	115	80	58	54	346	765	458
1922	317	1,094	1,295	646	614	717	518	96	54	120	49	118	470
1923	502	413	1,464	352	438	130	74	60	242	276	202	1,109	438
1924	1,251	439	1,121	1,191	1,199	1,083	599	210	336	712	149	229	710
1925	191	2,097	593	323	492	257	652	344	90	299	986	738	589
1926	732	1,270	825	515	154	147	336	876	702	743	1,753	508	713
1927	685	752	878	592	611	555	293	149	113	1,206	612	1,252	642
1928	518	1,100	722	1,155	677	1,037	706	171	120	71	101	123	542
1929	363	697	1,192	1,079	730	242	112	102	188	694	654	449	542
1930	512	882	751	886	327	368	105	37	54	31	38	60	338
1931	197	185	402	420	470	215	238	94	53	47	36	72	202
1932	536	277	808	781	611	154	69	34	16	386	1,111	321	425
1933	410	603	1,193	1,509	987	382	492	1,772	810	288	150	160	730
1934	642	187	541	1,196	426	237	100	134	627	464	622	1,170	529
1935	479	681	858	818	275	156	354	105	97	53	351	419	387
1936	765	445	2,970	1,204	178	176	90	100	54	86	90	828	582
1937	1,471	1,011	528	819	453	273	172	692	142	1,131	841	604	678
1938	822	776	718	524	339	396	682	234	474	319	567	1,368	602
1939	452	1,380	1,038	986	273	113	72	229	57	182	230	241	438
1940	260	481	1,607	1,994	623	585	155	185	718	245	788	714	696
1941	496	461	747	494	163	133	225	68	37	28	87	358	275
1942	369	622	925	552	1,734	486	432	1,439	563	877	594	1,182	815
1943	780	916	1,074	648	1,124	581	153	60	28	592	1,378	187	627
1944	495	347	1,424	1,066	571	373	119	51	110	143	274	568	462
1945	362	813	1,148	930	1,351	403	1,472	563	665	363	821	1,159	838
1946	877	344	1,272	354	1,279	1,034	424	167	122	222	142	232	539
1947	729	401	708	636	1,883	615	1,435	226	135	71	958	268	672
1948	317	718	1,083	1,350	1,258	512	168	231	79	129	717	1,040	634
1949	1,754	1,056	494	988	363	106	132	65	51	64	76	375	460
1950	596	1,282	1,151	512	675	694	329	91	149	241	1,116	1,752	716
1951	1,207	1,566	952	807	260	275	133	112	228	106	1,089	1,177	659
1952	1,497	722	1,476	1,805	1,738	299	222	206	667	103	1,064	1,184	915
1953	1,361	994	1,343	1,029	1,240	775	155	71	197	64	186	881	691
1954	319	508	1,046	711	955	154	60	106	50	63	215	506	391
1955	343	551	1,011	508	208	281	58	1,027	254	1,170	579	208	516
1956	121	880	966	573	488	325	492	228	350	438	742	1,192	566
1957	505	767	791	1,583	309	227	65	25	34	67	212	1,252	486
1958	944	725	1,480	1,356	944	166	204	107	219	288	543	443	618
1959	623	522	663	869	285	331	85	94	453	574	644	1,174	526
1960	742	838	490	1,128	952	477	164	89	1,087	191	238	169	547
1961	564	1,502	1,353	1,434	502	251	369	781	214	78	202	359	634
1962	710	777	1,081	760	205	113	49	73	140	336	739	481	455
1963	438	326	1,927	375	428	313	69	67	106	40	242	349	390
1964	1,399	608	1,255	1,241	908	439	112	60	23	43	79	340	542
1965	351	1,065	562	377	213	80	34	45	29	191	97	166	268
1966	264	929	934	383	450	95	31	22	46	75	255	256	312
1967	455	363	1,474	553	911	205	412	383	113	268	602	843	549
1968	575	572	664	473	724	642	124	69	349	168	480	660	458
1969	265	265	498	637	369	219	379	273	130	93	288	581	333

Drainage Area = 337 sq mi
Gage Datum = 356.68 ft MSL

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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1970	337	1,285	757	1,666	479	417	842	189	99	392	1,072	533	672
1971	472	1,890	1,273	314	485	254	151	757	231	250	1,027	1,049	679
1972	756	799	1,316	603	897	3,952	589	113	72	73	725	1,582	956
1973	922	671	557	1,348	1,136	638	194	216	580	285	244	1,801	716
1974	1,163	627	840	1,290	529	227	203	312	555	187	164	890	582
1975	1,092	1,180	1,215	696	899	719	168	154	2,000	773	927	451	856
1976	1,348	947	597	730	394	491	598	487	314	2,104	566	425	750
1977	139	479	2,078	1,088	300	173	251	120	159	770	777	1,844	682
1978	1,627	370	1,901	657	1,298	263	224	746	231	223	177	826	712
1979	2,489	1,271	1,419	814	741	334	181	135	883	1,101	675	552	883
1980	215	162	1,133	1,267	620	239	94	49	31	37	132	71	337
1981	42	1,303	360	574	459	284	414	73	56	95	105	155	327
1982	478	755	674	1,049	463	1,440	214	341	133	140	324	518	544
1983	265	613	974	2,466	855	667	152	105	60	161	822	1,868	751
1984	397	1,195	846	1,354	1,267	929	1,153	280	106	90	283	634	711
1985	239	669	358	403	380	216	123	118	167	182	694	683	353
1986	397	1,122	1,186	857	324	126	157	239	114	145	701	1,045	534
1987	485	332	816	881	449	165	77	54	1,130	229	533	609	480
1988	587	1,015	559	297	1,027	204	279	129	207	112	455	200	423
1989	427	381	631	388	2,189	918	1,120	239	169	645	548	185	653
1990	950	941	496	682	909	354	191	240	137	680	549	1,379	626
1991	900	483	864	459	370	94	86	165	43	145	296	432	361
1992	228	315	1,139	852	514	713	260	131	316	307	1,133	742	554
1993	728	292	1,944	2,425	624	168	155	79	161	162	988	1,391	760
1994	438	826	3,096	1,376	461	420	236	420	329	175	723	909	784
1995	1,280	375	636	304	237	371	397	75	51	444	1,006	296	456
1996	2,538	1,272	1,104	1,126	686	602	631	276	225	1,154	1,038	2,168	1,068
1997	649	833	819	441	273	438	262	135	96	65	210	286	376
1998	1,399	1,566	1,497	979	1,188	735	254	144	97	172	82	62	681
1999	931	580	756	511	215	102	37	49	519	509	244	524	415
2000	337	607	1,618	830	539	827	284	316	248	154	136	858	563
2001	330	681	810	919	251	252	142	72	88	58	76	148	319
2002	187	163	605	675	833	237	76	32	100	554	795	1,077	444
2003	820	484	1,750	989	588	2,098	430	982	756	997	1,040	1,526	1,038
2004	529	767	615	971	617	485	641	792	1,866	592	850	1,479	850
2005	1,456	630	1,188	1,462	235	162	494	108	50	661	343	792	632
2006	1,402	1,162	251	451	342	2,251	670	180	411	missing	missing	missing	missing
2007	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Mean	695	756	1,060	883	666	477	313	251	283	343	530	719	581
Max	2,538	2,097	3,096	2,466	2,189	3,952	1,472	1,772	2,000	2,104	1,753	2,168	
Min	42	162	358	297	154	80	31	22	16	28	36	60	

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