

KISKIMINETAS RIVER BASIN

03041500 CONEMAUGH RIVER AT SEWARD, PA

LOCATION.--Lat 40°25'09", long 79°01'35", Westmoreland County, Hydrologic Unit 05010007, on left bank at upstream side of bridge on State Highway 56 at Seward, 2.0 mi downstream from Findley Run, and 9 mi northwest of Johnstown.

DRAINAGE AREA.--715 mi².

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WDR PA-78-3: 1936 (M), 1977 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,076.01 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by steel mills and reservoirs above station; the eight most effective reservoirs have a combined capacity of 51,850 acre-ft. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 18, 1936 reached a stage of 26.4 ft, from floodmarks, discharge, 75,000 ft³/s, by contracted-opening measurement at site 6.7 mi downstream, adjusted for inflow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	214	213	e160	1500	e660	2120	1250	380	301	441	185
2	246	214	203	e175	1910	e800	2100	1140	400	320	321	178
3	246	206	201	e200	2080	876	1820	1040	530	326	252	175
4	313	204	209	e210	1870	2290	1740	958	437	276	225	172
5	277	207	209	e190	1800	1700	4530	890	388	254	219	170
6	249	209	205	e210	1570	1520	3030	836	365	239	203	267
7	231	207	205	e240	1530	1570	2500	798	347	228	194	589
8	500	207	239	e280	2370	1300	2040	834	331	218	236	360
9	552	208	250	e320	2210	1290	4720	824	313	215	261	267
10	412	249	235	e540	1870	1180	9880	715	311	271	231	232
11	357	262	222	e520	1540	1070	6170	644	302	257	213	206
12	301	241	207	e580	1380	996	7340	606	291	231	198	191
13	272	215	200	e660	1260	912	5350	576	289	222	216	186
14	257	205	196	e720	1120	915	3840	579	295	219	426	211
15	251	204	201	e640	1010	963	3030	541	302	214	260	193
16	245	203	197	e540	996	949	3200	504	288	211	226	238
17	236	202	215	e480	952	1200	2780	478	314	211	215	296
18	230	200	221	e580	908	4290	2590	459	385	299	198	253
19	262	197	208	e800	e780	5220	2310	471	331	230	196	210
20	238	211	210	e860	e680	3510	3590	465	297	211	204	211
21	228	206	238	e740	e600	3860	3580	432	276	205	216	247
22	237	192	451	e840	e540	6130	5860	422	274	277	202	313
23	229	190	e280	e4000	e510	4020	5090	755	266	239	189	316
24	223	187	e240	e10000	572	3190	5260	820	254	300	194	307
25	214	194	e180	6490	e530	3070	3740	920	249	278	190	307
26	216	216	e155	3850	e510	2570	2930	726	244	225	303	295
27	215	203	e150	2720	e480	2360	2400	574	252	203	296	292
28	223	190	e160	3120	e510	2360	1990	495	266	214	259	299
29	230	188	e170	3430	---	2450	1660	446	414	386	221	305
30	223	194	e160	2520	---	2450	1410	422	348	308	202	825
31	220	---	e155	1890	---	2230	---	393	---	247	193	---
TOTAL	8389	6225	6585	48505	33588	67901	108600	21013	9739	7835	7400	8296
MEAN	271	208	212	1565	1200	2190	3620	678	325	253	239	277
MAX	552	262	451	10000	2370	6130	9880	1250	530	386	441	825
MIN	214	187	150	160	480	660	1410	393	244	203	189	170
CFM	.38	.29	.30	2.19	1.68	3.06	5.06	.95	.45	.35	.33	.39
IN.	.44	.32	.34	2.52	1.75	3.53	5.65	1.09	.51	.41	.39	.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	569	878	1319	1467	1868	2810	2397	1553	1031	672	485	491
MAX	2746	3076	3620	3625	3816	5524	5288	2871	3594	2527	1690	2475
(WY)	1977	1986	1973	1952	1971	1994	1993	1960	1972	1977	1979	1996
MIN	169	189	212	391	493	779	739	512	325	242	217	169
(WY)	1964	1939	1999	1977	1993	1990	1946	1941	1999	1965	1939	1959

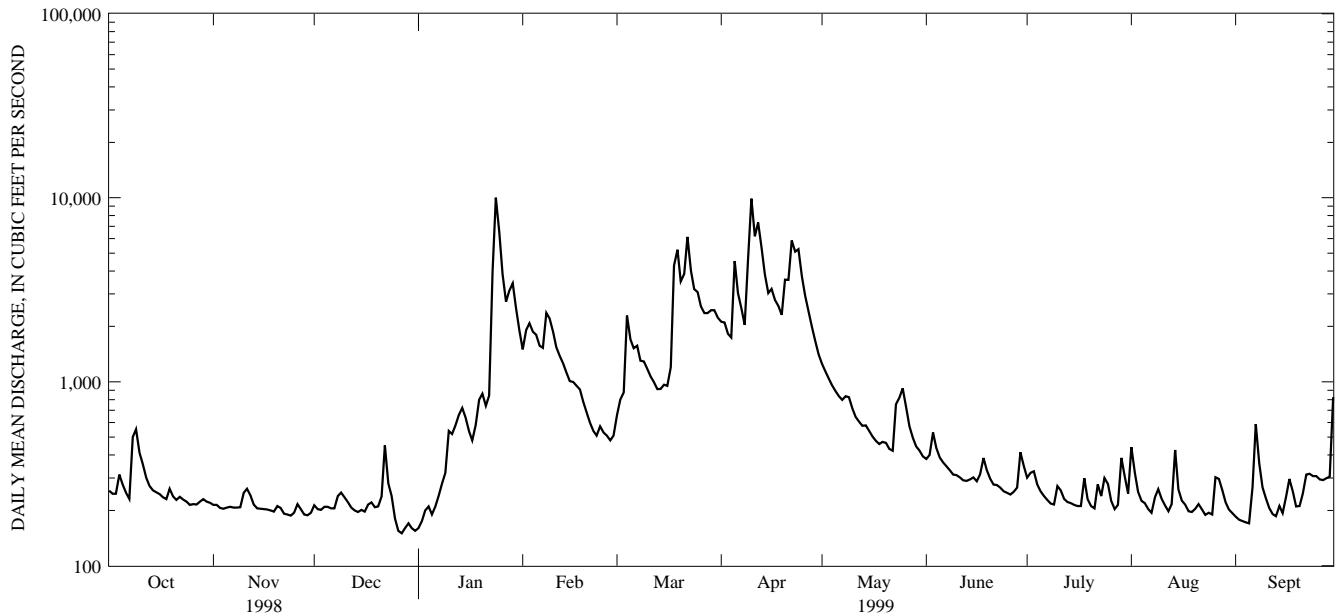
e Estimated.

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03041500 CONEMAUGH RIVER AT SEWARD, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1939 - 1999	
ANNUAL TOTAL	458486		334076			
ANNUAL MEAN	1256		915		1292	
HIGHEST ANNUAL MEAN					1814	
LOWEST ANNUAL MEAN					687	
HIGHEST DAILY MEAN	7230 Jan 8		e10000 Jan 24		40900 Jul 20 1977	
LOWEST DAILY MEAN	e150 Dec 27		e150 Dec 27		105 Dec 28 1938a	
ANNUAL SEVEN-DAY MINIMUM	161 Dec 25		b159 Dec 26		111 Dec 26 1938	
INSTANTANEOUS PEAK FLOW			12800 Apr 9		c115000 Jul 20 1977	
INSTANTANEOUS PEAK STAGE			8.98 Apr 9		d27.06 Jul 20 1977	
INSTANTANEOUS LOW FLOW			160 Sep 3,5		105 Dec 28 1938	
ANNUAL RUNOFF (CFSM)	1.76		1.28		1.81	
ANNUAL RUNOFF (INCHES)	23.85		17.38		24.55	
10 PERCENT EXCEEDS	3020		2510		2860	
50 PERCENT EXCEEDS	571		301		736	
90 PERCENT EXCEEDS	208		199		258	

- a Also Dec. 29, 31, 1938.
- b Computed using estimated daily discharges.
- c From rating curve extended above 23,000 ft³/s on basis of slope-area measurement of peak flow.
- d From highwater mark.
- e Estimated.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999