

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, about 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	205	600	e380	e325	2380	986	1190	1400	502	469	294
2	384	238	545	e390	e315	2270	921	1370	1180	453	421	299
3	339	643	516	458	e305	1850	977	1250	1030	493	390	328
4	350	483	508	538	e300	1570	2160	1060	883	732	725	371
5	302	384	490	608	e290	1380	2480	969	875	658	440	317
6	256	347	475	504	e280	1200	2090	901	2580	498	825	274
7	226	329	450	476	e275	1060	1690	830	2630	432	4430	255
8	211	313	417	445	e270	988	1660	774	1790	390	2560	242
9	206	296	396	e430	e265	935	1860	722	1300	365	1590	239
10	439	260	435	e415	e285	883	1630	678	1050	405	1120	246
11	522	249	522	e390	e300	927	1500	633	903	443	858	765
12	376	250	469	e380	e400	1350	2410	588	910	413	695	498
13	301	265	459	e370	786	1190	2110	573	1530	366	596	888
14	423	262	1050	e360	3040	1010	1800	602	1580	362	537	567
15	416	263	1920	e345	3320	925	1580	541	1280	590	484	460
16	319	256	1240	e330	2170	900	1410	486	1170	527	446	478
17	280	249	961	e320	2090	1290	2310	464	926	432	405	504
18	263	243	815	e320	1680	1180	4050	451	955	392	400	435
19	250	239	722	e330	3600	1040	2990	1070	1120	374	411	371
20	246	247	690	e340	3550	980	2370	1480	868	390	375	347
21	234	256	710	e350	2430	2210	5130	1290	916	376	346	352
22	235	243	628	e355	2030	3590	6950	964	1810	357	325	312
23	240	216	555	e360	2220	3150	6160	873	1150	336	311	288
24	250	210	e450	e365	2930	2630	4340	2860	867	322	506	370
25	247	272	e430	e370	3730	2170	3280	2020	732	329	414	379
26	239	2010	e460	e380	3440	1830	2620	1390	706	325	331	725
27	224	2620	e450	e370	2790	1560	2170	1160	631	306	344	884
28	214	1240	e440	e360	3710	1460	1830	1800	770	315	439	612
29	206	872	e420	e350	2780	1440	1560	3700	682	394	354	486
30	201	704	e410	e340	---	1250	1350	2480	577	348	315	423
31	200	---	e400	e330	---	1100	---	1800	---	376	303	---
TOTAL	9135	14664	19033	12059	49906	47698	74374	36969	34801	13001	22165	13009
MEAN	295	489	614	389	1721	1539	2479	1193	1160	419	715	434
MAX	536	2620	1920	608	3730	3590	6950	3700	2630	732	4430	888
MIN	200	205	396	320	265	883	921	451	577	306	303	239
CFSM	.41	.68	.86	.54	2.41	2.15	3.47	1.67	1.62	.59	1.00	.61
IN.	.48	.76	.99	.63	2.60	2.48	3.87	1.92	1.81	.68	1.15	.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	565	872	1307	1449	1865	2790	2398	1547	1033	668	489	490
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	389	493	779	739	512	325	242	217	169
(WY)	1964	1939	1999	2000	1993	1990	1946	1941	1999	1965	1939	1959

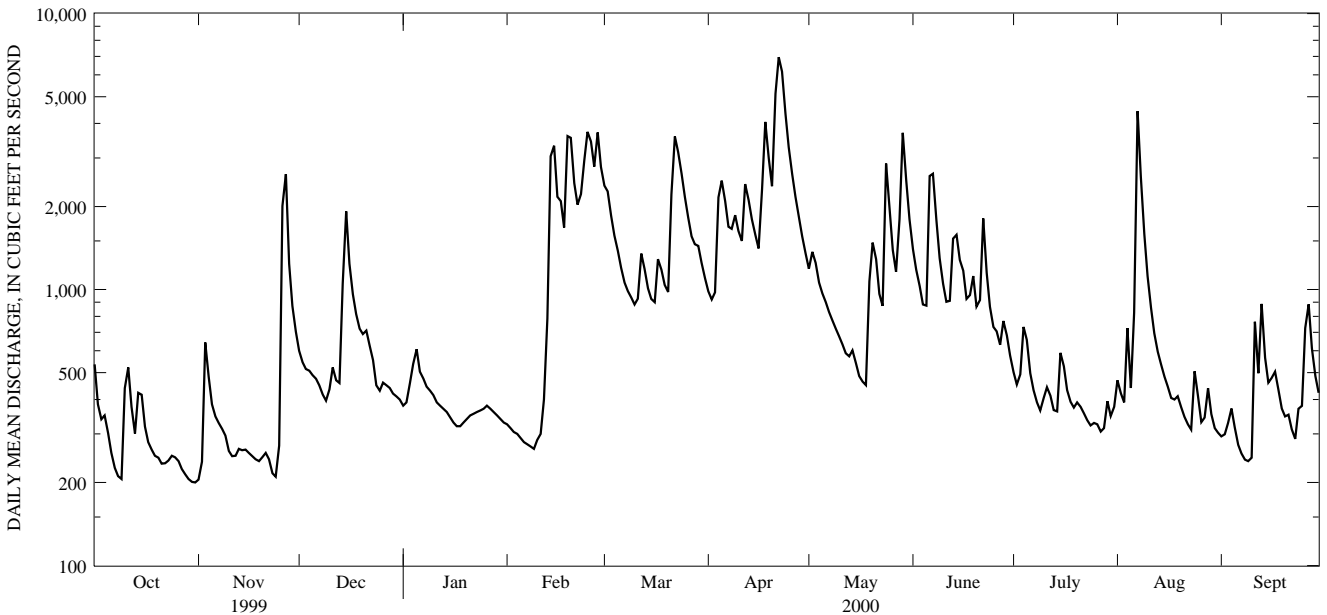
e Estimated.

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03041500 CONEMAUGH RIVER AT SEWARD, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	355709		346814			
ANNUAL MEAN	975		948		1286	
HIGHEST ANNUAL MEAN					1814	1996
LOWEST ANNUAL MEAN					687	1954
HIGHEST DAILY MEAN	10000	Jan 24	6950	Apr 22	40900	Jul 20 1977
LOWEST DAILY MEAN	e160	Jan 1	200	Oct 31	105	Dec 28 1938 ^a
ANNUAL SEVEN-DAY MINIMUM	182	Aug 30	213	Oct 27	111	Dec 26 1938
INSTANTANEOUS PEAK FLOW			7920	Apr 22	b115000	Jul 20 1977
INSTANTANEOUS PEAK STAGE			6.85	Apr 22	c27.06	Jul 20 1977
INSTANTANEOUS LOW FLOW			190	Oct 31	105	Dec 28 1938
ANNUAL RUNOFF (CFSM)	1.36		1.33		1.80	
ANNUAL RUNOFF (INCHES)	18.51		18.04		24.44	
10 PERCENT EXCEEDS	2540		2240		2850	
50 PERCENT EXCEEDS	422		504		732	
90 PERCENT EXCEEDS	211		263		258	

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



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000