

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	386	410	1010	e460	3090	990	1790	829	508	599	204	229
2	364	393	906	e460	2210	939	1760	779	1340	866	200	188
3	348	390	752	e460	1690	897	1620	732	1490	540	199	171
4	431	385	664	e460	1410	886	1590	677	1210	436	330	161
5	437	376	717	e460	1250	934	1550	641	923	442	322	154
6	557	358	621	e430	1180	848	1670	591	812	538	259	146
7	475	343	596	e400	1130	824	3150	551	995	507	219	155
8	389	342	603	e380	1080	769	3410	525	1000	545	194	153
9	363	345	565	e360	1550	791	5710	561	824	537	182	155
10	384	667	498	e340	5410	756	6610	524	669	456	216	160
11	405	1080	532	e400	4270	701	4770	492	593	394	285	152
12	362	849	702	e400	2780	712	4160	489	555	343	238	143
13	331	704	621	e390	2190	2460	3210	477	518	310	225	140
14	320	633	704	e400	2220	5940	2570	444	482	287	215	165
15	313	579	760	e380	5700	4030	2340	419	465	271	202	158
16	302	521	699	e410	5520	3210	8830	406	443	259	199	152
17	386	507	2020	e400	5580	4630	6430	397	451	259	209	150
18	2780	472	2400	e390	3720	4340	4560	395	404	307	197	141
19	2260	443	1700	e440	2760	3190	3480	420	364	285	187	147
20	1310	427	e1200	e500	2370	2590	2820	404	346	263	232	213
21	988	434	e1000	e480	2160	2620	2500	407	478	244	224	243
22	823	400	e700	e450	1670	3500	2140	502	590	225	200	198
23	705	e330	e600	e420	1490	2930	1860	797	1110	224	194	173
24	622	e330	e590	e420	1310	2760	1640	594	1050	221	200	239
25	586	e340	e560	e420	1250	2570	1410	565	640	220	187	476
26	550	e500	e540	e410	1430	2120	1250	1130	489	222	182	318
27	520	1160	e510	e400	1210	1750	1140	876	423	244	223	231
28	513	1160	e500	e390	1080	1540	1050	825	387	214	234	200
29	506	1010	e490	e370	---	1450	943	689	362	200	228	183
30	460	1090	e480	e1050	---	1870	880	583	417	199	210	178
31	430	---	e470	4130	---	2000	---	514	---	209	209	---
TOTAL	19606	16978	24710	17260	68710	65547	86843	18235	20338	10866	6805	5672
MEAN	632	566	797	557	2454	2114	2895	588	678	351	220	189
MAX	2780	1160	2400	4130	5700	5940	8830	1130	1490	866	330	476
MIN	302	330	470	340	1080	701	880	395	346	199	182	140
CFSM	.88	.79	1.11	.78	3.43	2.96	4.05	.82	.95	.49	.31	.26
IN.	1.02	.88	1.29	.90	3.57	3.41	4.52	.95	1.06	.57	.35	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	566	867	1299	1435	1874	2779	2406	1532	1027	663	485	486
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	365276		361570			
ANNUAL MEAN	998		991		1281	
HIGHEST ANNUAL MEAN					1814	
LOWEST ANNUAL MEAN					687	
HIGHEST DAILY MEAN	6950	Apr 22	8830	Apr 16	40900	Jul 20 1977
LOWEST DAILY MEAN	239	Sep 9	140	Sep 13	105	Dec 28 1938 ^a
ANNUAL SEVEN-DAY MINIMUM	278	Sep 4	150	Sep 12	111	Dec 26 1938
MAXIMUM PEAK FLOW			11200	Apr 16	^b 115000	Jul 20 1977
MAXIMUM PEAK STAGE			8.30	Apr 16	^c 27.06	Jul 20 1977
INSTANTANEOUS LOW FLOW			122	Sep 13	105	Dec 28 1938
ANNUAL RUNOFF (CFSM)	1.40		1.39		1.79	
ANNUAL RUNOFF (INCHES)	19.00		18.81		24.35	
10 PERCENT EXCEEDS	2280		2530		2840	
50 PERCENT EXCEEDS	598		507		728	
90 PERCENT EXCEEDS	330		200		257	

^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.

