

## 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 mi<sup>2</sup>.

**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 National Geodetic Vertical Datum of 1929.

**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 ft<sup>3</sup>/s, by contracted-opening measurement at site 6.7 mi downstream, adjusted for inflow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	819	860	e6210	e390	1270	1500	592	4060	718	624	2190
2	239	742	760	e10600	e410	1270	2270	585	3160	670	546	2150
3	219	610	685	5770	e460	1190	2010	555	5220	562	680	1830
4	212	528	513	3990	e690	1100	1670	555	12400	500	1020	1850
5	217	501	599	3040	e1230	e1370	4800	816	6560	501	1060	1380
6	203	1070	e615	2530	e970	e3170	4200	1040	4200	535	773	1050
7	193	1300	e550	2160	e790	3260	3310	873	4910	851	657	849
8	181	1080	e580	1920	e590	2720	3090	1040	4870	669	742	716
9	171	881	e500	1810	e470	4520	3180	2120	3900	654	974	622
10	169	769	e495	1960	e455	4080	3020	5270	2990	720	2030	556
11	222	815	e560	1760	e460	2870	3130	5710	2430	1850	1360	501
12	422	848	e620	1390	e450	2420	3040	3430	2100	1040	1060	457
13	391	1060	e640	1150	e445	3590	2560	3460	2170	805	837	441
14	307	962	e945	1100	e440	5330	2170	2930	1840	647	665	441
15	252	800	e1060	982	e445	5030	1910	2340	1550	549	556	451
16	348	736	e1000	848	e455	6000	1690	3170	1300	677	501	453
17	783	1290	e890	891	e460	7270	1490	2860	1170	586	827	415
18	571	1870	e795	784	e460	7180	1320	2730	2110	482	579	387
19	447	1460	e780	835	e500	6270	1210	2390	1670	514	458	e3900
20	383	1400	e2740	e830	e560	6040	1100	1990	1540	438	406	3790
21	337	1260	e3600	e635	e650	7000	1050	2500	2590	403	379	1910
22	300	1140	e2520	e515	e870	6030	1070	2170	2390	733	368	1360
23	272	1080	e2280	e500	e2810	4490	989	2670	1830	633	355	2410
24	259	952	e1820	e495	3070	3540	871	2890	1450	538	320	1860
25	248	914	e1610	e490	2320	2930	802	2470	1220	478	308	1420
26	499	866	e1390	e490	1840	2540	794	2800	1070	419	1730	1280
27	586	859	e1170	e475	1580	2180	786	2470	952	394	1960	1140
28	435	786	e1050	e460	1310	1840	703	2110	865	403	1350	3150
29	416	742	e960	e440	---	1630	654	1880	777	366	882	2300
30	809	801	e905	e430	---	1620	619	1620	702	337	1370	1650
31	843	---	e1030	e420	---	1540	---	1650	---	322	1220	---
TOTAL	11205	28941	34522	55910	25580	111290	57008	69686	83996	18994	26597	42909
MEAN	361	965	1114	1804	914	3590	1900	2248	2800	613	858	1430
MAX	843	1870	3600	10600	3070	7270	4800	5710	12400	1850	2030	3900
MIN	169	501	495	420	390	1100	619	555	702	322	308	387
CFSM	0.51	1.35	1.56	2.52	1.28	5.02	2.66	3.14	3.92	0.86	1.20	2.00
IN.	0.58	1.51	1.80	2.91	1.33	5.79	2.97	3.63	4.37	0.99	1.38	2.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	557	859	1284	1430	1846	2780	2387	1562	1053	656	486	496
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	204	169
(WY)	1964	1939	1999	2000	1993	1990	1946	1941	1999	1965	2002	1959

e Estimated.

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## 03041500 CONEMAUGH RIVER AT SEWARD, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	372161		566638		1280	
ANNUAL MEAN	1020		1552		1814	
HIGHEST ANNUAL MEAN					1996	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	8670	May 18	12400	Jun 4	40900	Jul 20 1977
LOWEST DAILY MEAN	110	Sep 10	169	Oct 10	105	Dec 28 1938 <sup>a</sup>
ANNUAL SEVEN-DAY MINIMUM	116	Sep 7	192	Oct 4	111	Dec 26 1938
MAXIMUM PEAK FLOW			17400	Jun 4	<sup>b</sup> 115000	Jul 20 1977
MAXIMUM PEAK STAGE			10.74	Jun 4	<sup>c</sup> 27.06	Jul 20 1977
INSTANTANEOUS LOW FLOW			160	Oct 10	104	Sep 10-13 2002
ANNUAL RUNOFF (CFSM)	1.43		2.17		1.79	
ANNUAL RUNOFF (INCHES)	19.36		29.48		24.32	
10 PERCENT EXCEEDS	2370		3280		2840	
50 PERCENT EXCEEDS	719		962		728	
90 PERCENT EXCEEDS	189		413		255	

<sup>a</sup> Also Dec. 29, 31, 1938.

<sup>b</sup> From rating curve extended above 23,000 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.

<sup>c</sup> From highwater mark.

