

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 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 ft³/s, by contracted-opening measurement at site 6.7 mi downstream, adjusted for inflow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	159	527	e331	1080	571	2310	2790	1250	418	191	148
2	171	159	394	e331	953	596	1910	2600	935	382	188	151
3	161	237	326	e304	834	1100	1610	2480	765	365	191	143
4	164	211	296	e298	791	1230	1420	1910	692	338	191	139
5	162	205	270	e291	690	878	1250	1570	672	325	235	132
6	161	183	259	e291	662	883	1150	1360	1520	303	333	129
7	160	170	253	e310	652	801	1060	1290	2840	296	308	120
8	161	166	290	e324	638	761	983	1540	1500	294	236	123
9	160	168	421	e337	608	723	941	5670	1100	297	211	118
10	160	161	382	375	631	719	945	4870	923	336	196	110
11	162	158	333	905	2610	598	851	3040	809	313	192	111
12	164	153	300	1300	2120	567	765	2440	743	283	182	112
13	167	155	311	994	1570	566	761	3710	851	263	175	116
14	200	151	329	742	1190	559	1050	4970	1690	265	172	122
15	332	151	376	667	1060	532	3110	3870	2070	268	166	166
16	269	155	361	587	970	628	2940	2880	1690	262	170	162
17	237	152	473	532	926	707	2000	2330	1220	248	170	146
18	213	150	1350	493	808	1360	1540	8670	985	246	179	144
19	197	154	1140	438	731	1940	1320	5980	840	266	179	213
20	186	185	853	434	733	4570	1190	4030	712	254	202	251
21	180	180	680	428	906	6560	1190	3040	631	238	203	199
22	178	171	568	424	973	3880	2020	2430	567	229	189	181
23	164	164	522	400	844	2740	1900	2010	526	240	215	254
24	220	163	533	1150	739	2200	1460	1700	493	247	239	229
25	202	574	491	2540	681	1840	1310	1480	463	233	303	188
26	174	662	414	1690	668	4840	1170	1310	439	246	238	205
27	167	390	394	1240	720	8200	1030	1140	442	290	192	841
28	169	354	385	1040	650	4350	3440	1040	650	267	178	986
29	167	470	370	927	---	3050	4440	1100	582	240	177	490
30	159	474	337	945	---	2450	3100	1050	468	214	169	336
31	154	---	e337	1080	---	2000	---	1220	---	198	155	---
TOTAL	5697	6985	14275	22148	26438	62399	50166	85520	29068	8664	6325	6765
MEAN	184	233	460	714	944	2013	1672	2759	969	279	204	226
MAX	332	662	1350	2540	2610	8200	4440	8670	2840	418	333	986
MIN	154	150	253	291	608	532	761	1040	439	198	155	110
CFSM	0.26	0.33	0.64	1.00	1.32	2.82	2.34	3.86	1.36	0.39	0.29	0.32
IN.	0.30	0.36	0.74	1.15	1.38	3.25	2.61	4.45	1.51	0.45	0.33	0.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

MEAN	560	857	1286	1424	1860	2767	2395	1551	1026	657	480	482
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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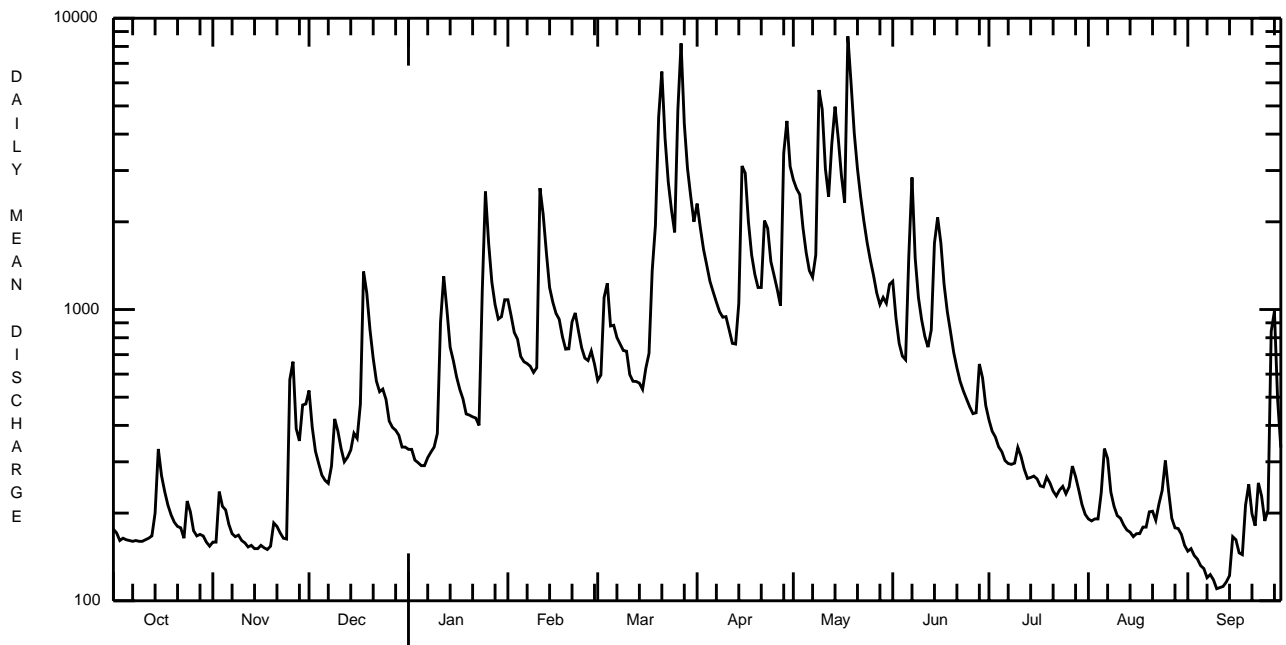
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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	327233		324450		1275	
ANNUAL MEAN	897		889		1814	
HIGHEST ANNUAL MEAN					1996	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	8830	Apr 16	8670	May 18	40900	Jul 20 1977
LOWEST DAILY MEAN	140	Sep 13	110	Sep 10	105	Dec 28 1938 ^a
ANNUAL SEVEN-DAY MINIMUM	150	Sep 12	116	Sep 7	111	Dec 26 1938
MAXIMUM PEAK FLOW			12500	May 18	^b 15000	Jul 20 1977
MAXIMUM PEAK STAGE			8.86	May 18	^c 27.06	Jul 20 1977
INSTANTANEOUS LOW FLOW			104	Sep 10-13	104	Sep 10-13 2002
ANNUAL RUNOFF (CFSM)	1.25		1.24		1.78	
ANNUAL RUNOFF (INCHES)	17.03		16.88		24.24	
10 PERCENT EXCEEDS	2480		2150		2840	
50 PERCENT EXCEEDS	410		439		724	
90 PERCENT EXCEEDS	162		161		255	

^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.



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002