



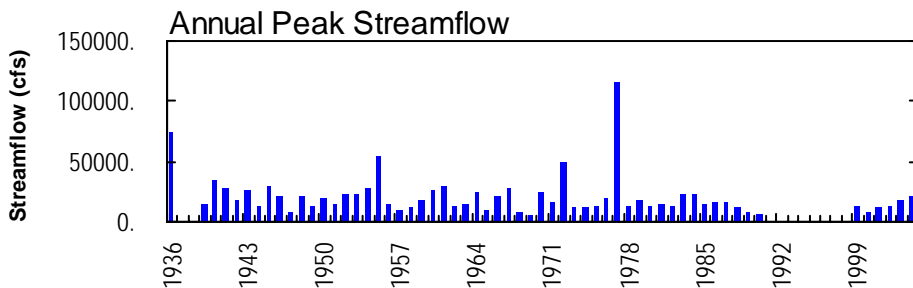
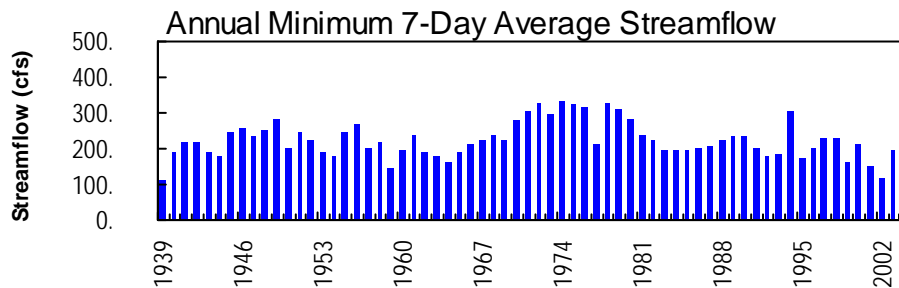
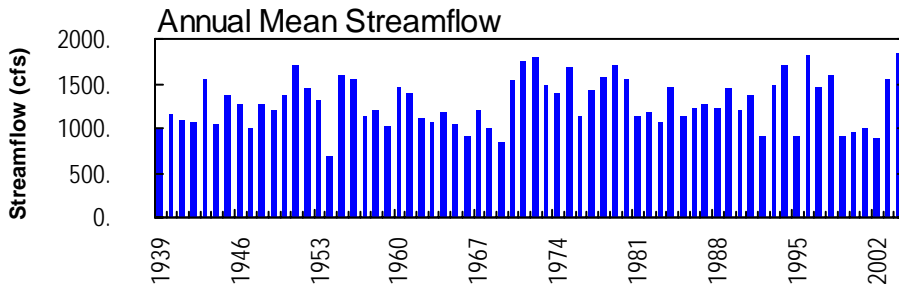
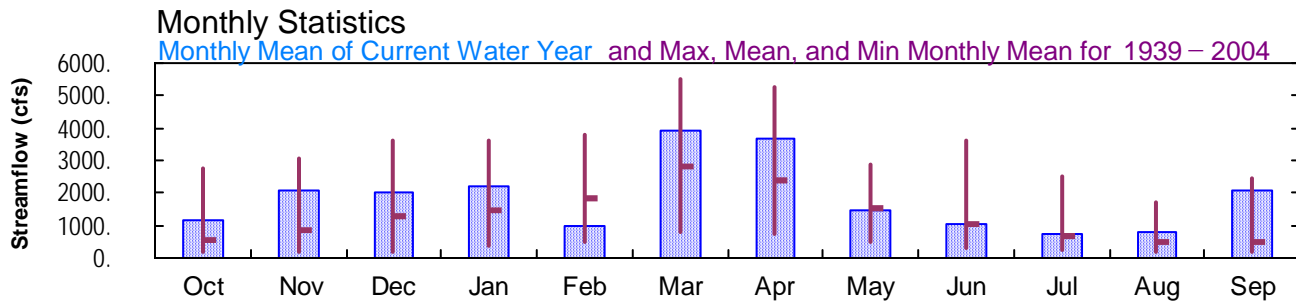
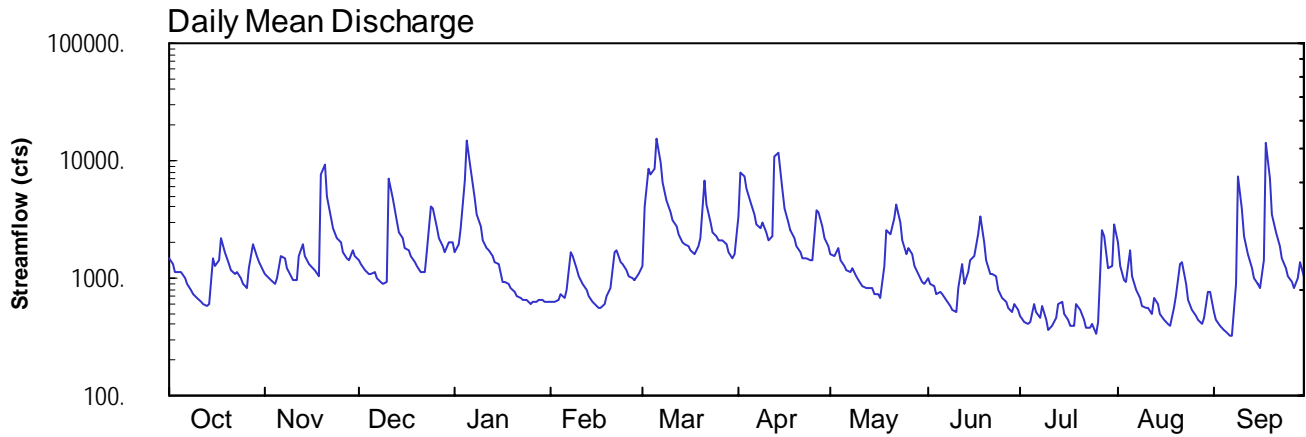
2004 Water Year KISKIMINETAS RIVER BASIN

03041500 Conemaugh River at Seward, PA

Latitude: 40° 25 ' 09"
Westmoreland County

Longitude: 079° 01 ' 35"
Datum: 1076.01 feet

Hydrologic Unit Code: 05010007
Drainage Area: 715. mi²



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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1470	1080	1430	1670	e630	1280	3380	1620	982	467	1990	525
2	1320	1020	1300	1910	e635	4140	7780	1530	882	430	1290	437
3	1120	953	1160	2640	e640	8590	7180	1790	858	407	955	392
4	1110	891	1070	6730	e720	7490	5690	1440	727	416	909	366
5	1140	1000	1080	15000	e680	8540	4350	1250	765	594	1730	345
6	982	1560	1110	8600	e800	15600	3440	1150	727	508	1030	326
7	879	1460	1010	4790	e1630	9620	2910	1130	652	460	806	327
8	804	1210	942	3440	e1530	6530	2690	1210	583	578	664	881
9	739	1050	899	2760	e1200	4660	2930	1050	535	434	571	7200
10	681	969	920	2130	e1020	3670	2440	948	518	370	559	3930
11	631	963	e6910	1820	e900	3080	2070	860	833	396	550	2300
12	599	1560	4820	1730	e780	2810	2250	810	1300	460	498	1600
13	579	1960	3070	1560	e700	2350	10700	827	899	611	683	1240
14	598	1540	2480	1360	e630	2040	11800	824	1110	621	609	1020
15	1470	1300	2190	1310	e600	1970	5700	731	1430	492	501	890
16	1280	1200	1810	e940	e550	1860	3880	730	1530	438	441	832
17	1400	1150	1700	e910	e555	1740	3030	684	2360	391	404	1440
18	2150	1060	1540	e900	e610	1580	2510	1240	3310	393	389	14100
19	1650	e7650	1370	e820	695	1830	2140	2550	1980	612	552	7040
20	1330	9320	1270	e770	811	2210	1870	2340	1400	529	716	3530
21	1170	5030	1140	e710	1640	6680	1650	3200	1100	434	1320	2440
22	1090	3410	1110	e690	1760	4210	1470	4180	1090	380	1370	1840
23	1100	2630	1640	e640	1370	2980	1500	2940	1030	370	878	1450
24	999	2220	4010	e645	1300	2480	1410	2080	790	403	658	1210
25	889	2050	3910	e610	1160	2270	1440	1610	674	341	545	1050
26	813	1690	2780	e620	1050	2130	3730	1770	628	421	478	932
27	1220	1480	2180	e630	998	2070	3590	1580	559	2540	440	833
28	1950	1440	1870	e650	971	1930	2710	1280	521	2260	412	1000
29	1550	1760	1680	e640	1070	1670	2180	1090	601	1230	467	1370
30	1370	1520	2000	e635	---	1500	1840	942	530	1270	770	1030
31	1180	---	1980	e615	---	1600	---	905	---	2880	755	---
TOTAL	35263	62126	62381	68875	27635	121110	110260	46291	30904	22136	23940	61876
MEAN	1138	2071	2012	2222	953	3907	3675	1493	1030	714	772	2063
MAX	2150	9320	6910	15000	1760	15600	11800	4180	3310	2880	1990	14100
MIN	579	891	899	610	550	1280	1410	684	518	341	389	326
CFSM	1.59	2.90	2.81	3.11	1.33	5.46	5.14	2.09	1.44	1.00	1.08	2.88
IN.	1.83	3.23	3.25	3.58	1.44	6.30	5.74	2.41	1.61	1.15	1.25	3.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	566	877	1295	1442	1832	2797	2407	1560	1053	657	491	520
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.

KISKIMINETAS RIVER BASIN

03041500 CONEMAUGH RIVER AT SEWARD, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	651740		672797			
ANNUAL MEAN	1786		1838		1288	
HIGHEST ANNUAL MEAN					1838	
LOWEST ANNUAL MEAN					687	
HIGHEST DAILY MEAN	12400	Jun 4	15600	Mar 6	40900	Jul 20 1977
LOWEST DAILY MEAN	308	Aug 25	326	Sep 6	105	Dec 28 1938 ^a
ANNUAL SEVEN-DAY MINIMUM	371	Aug 19	388	Sep 1	111	Dec 26 1938
MAXIMUM PEAK FLOW			21400	Sep 18	^b 115000	Jul 20 1977
MAXIMUM PEAK STAGE			12.14	Sep 18	^c 27.06	Jul 20 1977
INSTANTANEOUS LOW FLOW			316	Jul 26 ^d	104	Sep 10 2002
ANNUAL RUNOFF (CFSM)	2.50		2.57		1.80	
ANNUAL RUNOFF (INCHES)	33.91		35.00		24.48	
10 PERCENT EXCEEDS	3830		3610		2860	
50 PERCENT EXCEEDS	1270		1200		735	
90 PERCENT EXCEEDS	460		520		256	

^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.

^d Also Sept. 7.