

CONEWANGO CREEK BASIN

03015000 CONEWANGO CREEK AT RUSSELL, PA

LOCATION.--Lat 41°56'17", long 79°08'00", Warren County, Hydrologic Unit 05010002, on left bank of highway bridge on SR 957 at Russell, 0.5 mi upstream from Akeley Run, and 8.0 mi upstream from mouth.

DRAINAGE AREA.--816 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October, November 1939, published in WSP 1305.

REVISED RECORD.--WSP 1083: 1936 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,221.77 ft above sea level. Prior to Apr. 10, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since November 1949 by Chautauqua Lake (station 03013946). 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 March 1936 reached a stage of 10.9 ft from floodmark, discharge, 14,600 ft³/s.

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	127	208	1400	e800	e780	4590	984	875	488	400	957	199
2	126	633	1200	e910	e760	4290	893	987	496	346	1630	199
3	120	2360	1080	2650	e740	3750	1050	1190	537	315	1920	204
4	112	3120	1190	4210	e730	3100	2800	1090	569	314	1890	215
5	104	3340	1380	4050	e720	2500	3430	946	533	316	1770	197
6	96	3450	1660	3840	e720	2080	3260	871	539	296	1660	180
7	90	3400	1860	3650	e700	1750	2850	810	627	269	1700	170
8	87	3100	1710	3180	e700	1510	4020	737	583	246	1840	162
9	87	2470	1450	2530	e700	1390	4690	571	503	237	1680	159
10	86	1860	1390	2190	e700	1340	4650	538	401	348	1250	168
11	84	1630	1790	2550	e780	1300	4710	763	338	420	1150	209
12	80	1580	1750	2730	e920	1330	4660	820	537	373	1090	235
13	81	1480	1540	2550	e1100	1370	4370	770	679	301	974	232
14	116	1350	1650	2180	e1250	1380	3840	756	709	254	806	225
15	196	1270	2830	1830	1340	1430	2870	681	1420	279	631	231
16	288	1170	3070	1690	1250	1510	1930	535	1280	435	569	296
17	252	1030	2890	1440	1190	1920	1510	464	1080	633	504	353
18	209	956	2410	1260	1110	1870	1310	508	1250	610	430	308
19	180	902	1850	e1200	1060	1750	1230	2830	1740	475	377	247
20	160	879	1560	e1100	1010	1650	1180	3480	1230	365	334	209
21	150	888	1640	e1050	970	1550	2620	3480	958	308	297	199
22	134	884	1740	e1000	953	1430	3400	3350	852	289	266	226
23	128	853	1580	e960	1650	1300	3370	2930	788	282	258	288
24	183	817	e1240	e920	3350	1030	3150	2440	630	259	255	784
25	515	819	e1100	e900	4640	858	2400	2020	676	233	261	939
26	550	949	e1000	e890	4690	787	1750	1510	890	211	247	663
27	397	2100	e940	e860	4690	741	1340	1160	1120	198	240	468
28	307	2420	e880	e840	4850	715	1130	1060	986	188	229	364
29	270	2150	e850	e820	4790	729	1000	849	784	207	220	299
30	238	1730	e820	e800	---	944	948	694	522	334	212	271
31	217	---	e800	e800	---	1040	---	570	---	419	203	---
TOTAL	5770	49798	48250	56380	48843	52934	77345	40285	23745	10160	25850	8899
MEAN	186	1660	1556	1819	1684	1708	2578	1300	792	328	834	297
MAX	550	3450	3070	4210	4850	4590	4710	3480	1740	633	1920	939
MIN	80	208	800	800	700	715	893	464	338	188	203	159
CFSM	.23	2.03	1.91	2.23	2.06	2.09	3.16	1.59	.97	.40	1.02	.36
IN.	.26	2.27	2.20	2.57	2.23	2.41	3.53	1.84	1.08	.46	1.18	.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	857	1610	2107	2044	2091	3153	2810	1371	884	474	421	595
MAX	3276	4070	4261	4986	5320	6715	6503	4016	2926	2142	2391	3891
(WY)	1991	1986	1978	1998	1976	1945	1947	1943	1986	1986	1977	1977
MIN	66.1	119	111	215	533	1344	353	296	177	108	82.4	79.9
(WY)	1964	1961	1961	1961	1963	1960	1946	1985	1949	1963	1954	1941

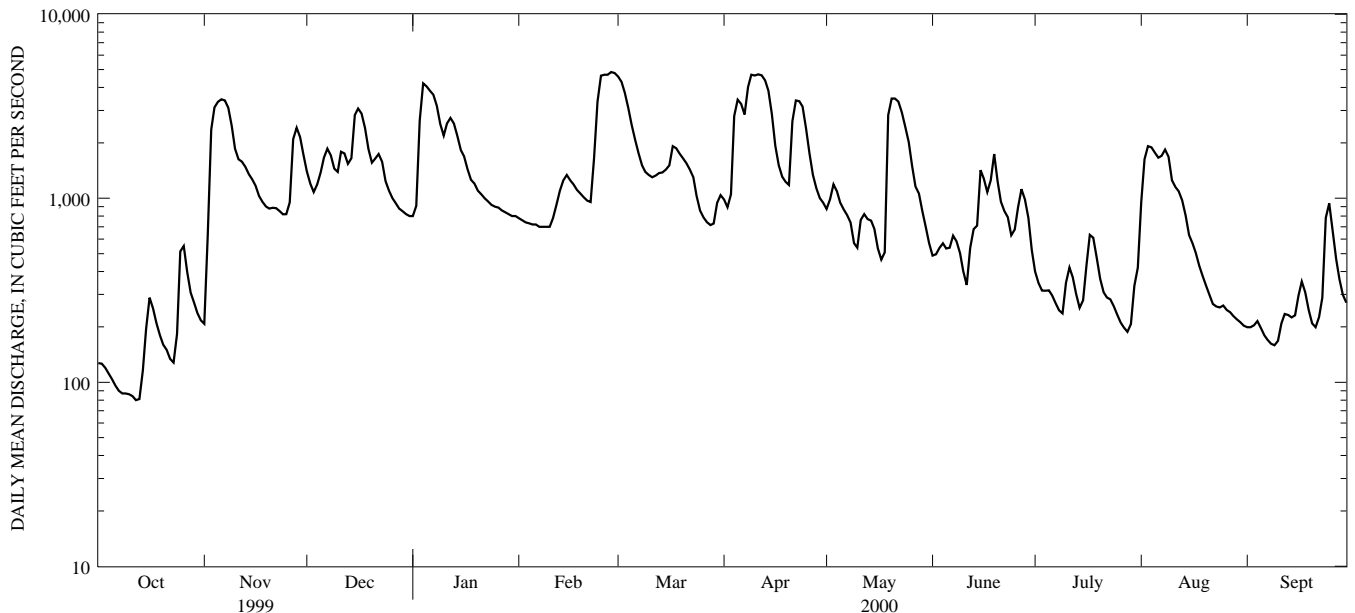
e Estimated.

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03015000 CONEWANGO CREEK AT RUSSELL, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	404099		448259		1531	
ANNUAL MEAN	1107		1225		2057	
HIGHEST ANNUAL MEAN					1943	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	5910	Jan 28	4850	Feb 28	14700	Jan 10 1998
LOWEST DAILY MEAN	67	Sep 6	80	Oct 12	57	Oct 17 1960
ANNUAL SEVEN-DAY MINIMUM	74	Aug 4	85	Oct 7	59	Oct 12 1960
INSTANTANEOUS PEAK FLOW			4870	Feb 28	a 14900	Jan 10 1998
INSTANTANEOUS PEAK STAGE			6.92	Feb 28	b 10.88	Jan 10 1998
ANNUAL RUNOFF (CFSM)	1.36		1.50		1.88	
ANNUAL RUNOFF (INCHES)	18.42		20.44		25.49	
10 PERCENT EXCEEDS	2950		2970		3800	
50 PERCENT EXCEEDS	556		896		1000	
90 PERCENT EXCEEDS	84		209		162	

a From rating curve extended above 13,000 ft³/s.
b From peak-stage indicator.



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