

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	641	3330	e1100	1990	2110	2550	660	438	263	120	130
2	233	738	3140	e1100	1900	1600	2550	604	452	398	116	147
3	217	734	2650	e1050	1620	1500	2580	556	872	355	118	137
4	226	730	2090	e1050	1350	1420	2650	511	1030	290	125	125
5	425	728	1830	e1050	1400	1360	2710	471	1050	280	124	115
6	2010	722	1590	e1030	1310	1310	2920	428	976	262	121	111
7	2560	701	1350	e1010	1250	1250	3290	399	651	233	119	107
8	2550	683	1310	e1000	1180	1300	3560	373	416	215	113	103
9	2730	652	1310	e1000	2150	1280	3920	391	347	203	108	98
10	2840	656	1250	e980	4400	1220	4340	395	310	198	107	94
11	2680	741	1290	e960	4310	1180	4500	373	312	205	101	89
12	2330	825	2130	e940	4110	1130	4460	516	323	205	97	85
13	1860	832	2370	e920	4180	1610	4170	835	306	195	92	85
14	1250	741	2170	e900	4270	2650	3610	722	275	180	86	89
15	933	694	2080	e900	4820	2690	2890	536	249	172	78	86
16	806	677	1970	e900	4770	2630	2800	435	242	167	78	84
17	780	684	3910	e950	4560	2570	2710	374	278	160	94	84
18	587	783	4060	e980	4230	2260	2580	345	265	160	102	81
19	528	891	3790	e980	3560	2050	2350	328	250	171	101	78
20	493	885	3700	e960	2870	2050	1990	307	236	190	101	85
21	462	871	3450	e920	2570	2280	2170	305	230	200	100	85
22	434	785	3080	e900	2180	3080	2720	389	1300	181	95	91
23	411	677	2350	e880	1780	3030	2600	862	1710	172	92	125
24	376	828	2050	e860	1600	3050	2350	1150	1580	165	89	142
25	347	921	1750	e860	1660	2950	2050	1060	1300	163	88	160
26	425	1210	e1350	e850	2560	2690	1830	955	804	163	89	165
27	488	2380	e1280	e840	2740	2340	1590	921	434	152	136	164
28	484	3040	e1250	e840	2590	2060	1100	970	324	142	145	182
29	465	3200	e1200	e860	---	1970	853	1040	277	133	119	216
30	449	3310	e1200	e920	---	2470	741	941	253	126	103	216
31	446	---	e1150	1500	---	2760	---	634	---	125	98	---
TOTAL	31077	31960	67430	29990	77910	63850	81134	18786	17490	6224	3255	3559
MEAN	1002	1065	2175	967	2782	2060	2704	606	583	201	105	119
MAX	2840	3310	4060	1500	4820	3080	4500	1150	1710	398	145	216
MIN	217	641	1150	840	1180	1130	741	305	230	125	78	78
CFSM	1.23	1.31	2.67	1.19	3.41	2.52	3.31	.74	.71	.25	.13	.15
IN.	1.42	1.46	3.07	1.37	3.55	2.91	3.70	.86	.80	.28	.15	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	859	1602	2108	2027	2102	3136	2809	1359	879	470	416	587
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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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1940 - 2001	
ANNUAL TOTAL	474908		432665			
ANNUAL MEAN	1298		1185		1525	
HIGHEST ANNUAL MEAN					2057	1943
LOWEST ANNUAL MEAN					915	1999
HIGHEST DAILY MEAN	4850	Feb 28	4820	Feb 15	14700	Jan 10 1998
LOWEST DAILY MEAN	159	Sep 9	78	Aug 15 ^a	57	Oct 17 1960
ANNUAL SEVEN-DAY MINIMUM	178	Sep 5	83	Sep 15	59	Oct 12 1960
MAXIMUM PEAK FLOW			4870	Feb 15	^b 14900	Jan 10 1998
MAXIMUM PEAK STAGE			6.92	Feb 15	^c 10.88	Jan 10 1998
ANNUAL RUNOFF (CFSM)	1.59		1.45		1.87	
ANNUAL RUNOFF (INCHES)	21.65		19.72		25.40	
10 PERCENT EXCEEDS	3160		2850		3780	
50 PERCENT EXCEEDS	890		850		1000	
90 PERCENT EXCEEDS	253		110		161	

- ^a Also Aug. 16, Sept. 19.
- ^b From rating curve extended above 13,000 ft³/s.
- ^c From peak-stage indicator.

