Water-Data Report 2011

01529500 COHOCTON RIVER NEAR CAMPBELL, NY

Upper Susquehanna Basin
Chemung Subbasin

LOCATION.--Lat 42°15′09″, long 77°13′01″ referenced to North American Datum of 1927, Steuben County, NY, Hydrologic Unit 02050105, on left bank just downstream from bridge on town road at junction with County Highway 125, 1.9 mi upstream from Michigan Creek, and 2.0 mi north of Campbell.

DRAINAGE AREA.--470 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1918 to current year.

REVISED RECORDS.--WSP 891: 1935. WSP 1302: 1919-20 (M), 1927-28 (M), 1928-38 (monthly runoff). WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,016.34 ft above NGVD of 1929. Prior to Mar. 5, 1937, nonrecording gage on highway bridge.

REMARKS.--Records good except those for estimated daily discharges, which are fair. During each year since March 1931, a large part of flow from 45.5 mi^2 of drainage area upstream from Lake Lamoka on Mud Creek, a tributary upstream from this station, has been diverted into Keuka Lake (Oswego River basin), for power development. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,100 ft^3/s, July 8, 1935, gage height, 11.6 ft, from floodmark, from rating curve extended above 24,200 ft^3/s on basis of velocity-area and slope-area measurements of peak flow; minimum discharge, 8 ft^3/s, Sept. 6, 7, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,200 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 1	0115	4,820	5.02
Dec 1	1730	7,490	6.38
Mar 6	1215	6,070	5.73
Mar 11	0730	*8,400	*6.76
Apr 5	0430	4,550	4.84
Apr 16	2215	4,700	4.94
Apr 23	1400	4,930	5.09
Apr 28	0400	5,220	5.27
May 30	1045	4,210	4.61

Minimum discharge, 56 ft^3/s, Sept. 4, 5, gage height, 0.07 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01529500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01529500.2011.pdf

01529500 COHOCTON RIVER NEAR CAMPBELL, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,160	296	4,000	356	e266	e2,530	964	1,880	1,250	173	72	63
2	1,580	273	3,800	660	e270	e1,810	985	1,630	1,010	163	70	61
3	1,010	262	2,320	479	e277	e1,360	942	2,270	851	159	72	60
4	784	270	1,630	405	e274	1,260	2,130	3,290	778	148	90	57
5	832	317	1,260	375	e274	1,340	4,140	2,350	767	136	83	68
6	1,290	324	1,060	303	e270	4,840	2,830	1,800	662	129	81	92
7	1,240	291	956	e300	e276	3,410	2,370	1,440	516	132	93	194
8	894	269	848	e280	e270	2,400	1,860	1,180	398	129	103	523
9	684	258	738	e270	e266	1,970	1,580	1,000	353	125	94	274
10	550	268	591	e270	e266	2,540	1,370	862	317	118	109	223
11	468	287	504	e265	e245	7,070	1,210	770	713	110	101	217
12	458	277	530	e250	e235	4,530	942	693	1,630	107	94	267
13	390	241	912	e235	e235	3,310	1,950	607	664	102	84	203
14	354	210	542	e230	e246	2,460	1,600	552	474	101	85	178
15	322	209	e450	e220	e262	2,010	1,130	890	403	95	180	152
16	371	213	e445	e210	e262	2,550	1,830	1,340	346	92	150	133
17	341	731	e430	e190	e274	2,870	2,950	879	338	88	140	106
18	309	704	e400	e200	e842	3,700	1,790	1,020	304	84	112	93
19	277	669	e320	e220	e1,620	3,330	1,630	1,000	275	83	96	84
20	256	490	e335	e225	e1,280	2,180	2,140	2,750	247	82	89	82
21	253	362	e325	e220	e1,010	2,870	1,800	1,910	260	83	86	80
22	275	334	340	e308	e888	2,650	1,570	1,440	321	74	85	80
23	265	369	327	e289	e819	2,100	3,180	1,210	303	70	76	84
24	268	367	e300	e277	e768	1,800	2,750	2,240	276	68	70	106
25	264	333	e290	e277	e739	1,550	2,250	1,320	312	83	97	104
26	400	377	e270	e281	e711	1,310	2,560	1,140	270	91	111	90
27	510	385	e235	e277	e690	1,150	4,290	946	239	80	93	87
28	450	338	e250	e281	e1,830	1,040	4,610	1,120	216	74	87	622
29	382	311	e260	e281	---	964	3,110	836	209	78	79	1,250
30	345	318	e240	e277	---	864	2,360	2,620	192	81	72	550
31	323	---	284	e277	---	939	---	1,590	---	73	66	---
Total	19,305	10,353	25,192	8,988	15,665	74,707	64,823	44,575	14,894	3,211	2,920	6,183
Mean	623	345	813	290	559	2,410	2,161	1,438	496	104	94.2	206
Max	3,160	731	4,000	660	1,830	7,070	4,610	3,290	1,630	173	180	1,250
Min	253	209	235	190	235	864	942	552	192	68	66	57
Cfsm	1.32	0.73	1.73	0.62	1.19	5.13	4.60	3.06	1.06	0.22	0.20	0.44
In.	1.53	0.82	1.99	0.71	1.24	5.91	5.13	3.53	1.18	0.25	0.23	0.49

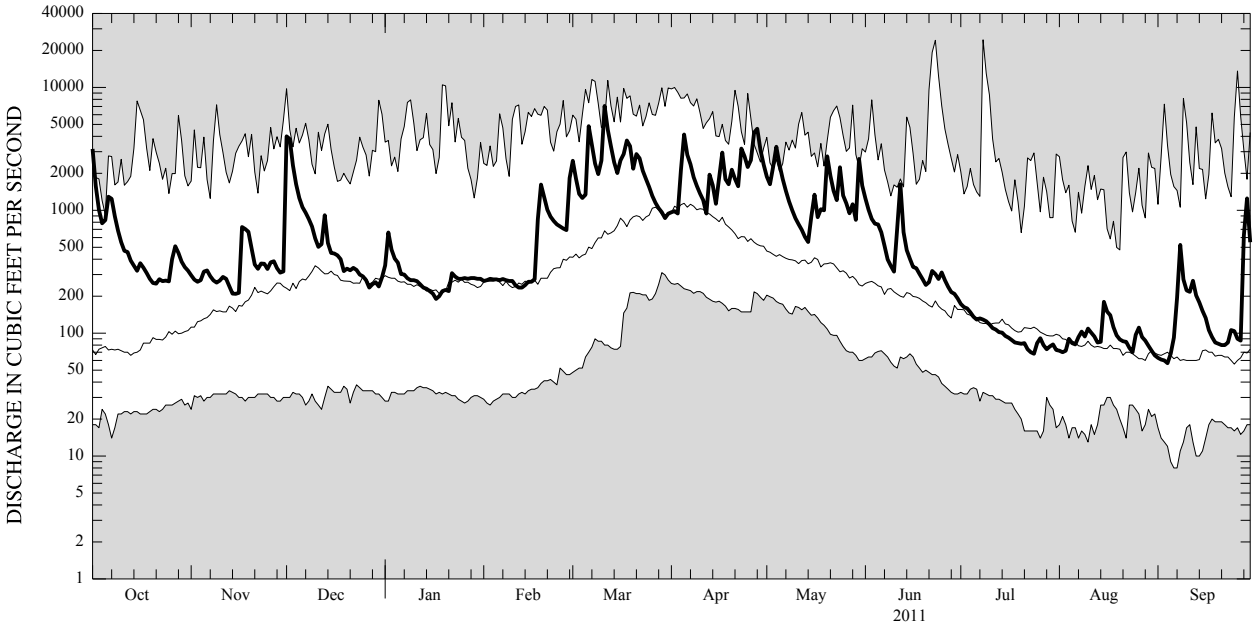
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	202	341	450	443	501	1,133	1,133	603	346	188	131	160
Max	1,284	1,611	1,861	1,586	2,059	3,793	3,579	2,074	3,167	2,278	695	1,487
(WY)	(1956)	(1928)	(1928)	(1998)	(1976)	(1936)	(1993)	(1919)	(1972)	(1935)	(2003)	(2004)
Min	25.7	33.0	42.5	32.5	75.1	312	201	143	59.2	31.1	25.0	15.5
(WY)	(1942)	(1942)	(1961)	(1961)	(1920)	(1965)	(1946)	(1934)	(1955)	(1955)	(1934)	(1934)

01529500 COHOCTON RIVER NEAR CAMPBELL, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1918 - 2011	
Annual total	174,044		290,816			
Annual mean	477		797		469	
Highest annual mean					835	2004
Lowest annual mean					210	1965
Highest daily mean	5,250	Mar 14	7,070	Mar 11	24,400	Jul 8, 1935
Lowest daily mean	55	Aug 21	57	Sep 4	8.0	Sep 6, 1934
Annual seven-day minimum	66	Aug 15	64	Aug 30	11	Sep 3, 1934
Annual runoff (cfsm)	1.01		1.70		0.997	
Annual runoff (inches)	13.78		23.02		13.55	
10 percent exceeds	935		2,240		1,120	
50 percent exceeds	270		325		220	
90 percent exceeds	93		86		52	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.