

01529500 COHOCTON RIVER NEAR CAMPBELL, NY

Upper Susquehanna Basin
Chemung Subbasin

LOCATION.--Lat 42°15'09", long 77°13'00" referenced to North American Datum of 1983, 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 mi².

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 mi² 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 ft³/s, July 8, 1935, gage height, 11.6 ft, from floodmark, from rating curve extended above 24,200 ft³/s on basis of velocity-area and slope-area measurements of peak flow; minimum discharge, 8 ft³/s, Sept. 6, 7, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 31	1030	*4,570	*4.85
No other peak above base discharge			

Minimum discharge, 36 ft³/s, Oct. 16, 17, gage height, -0.12 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41	642	98	446	2,040	471	834	491	166	178	73	61
2	41	462	98	392	1,320	463	771	463	154	221	70	73
3	42	361	110	e400	1,030	458	634	437	139	224	64	76
4	41	302	107	409	895	432	544	326	125	185	60	70
5	40	259	247	416	796	391	538	251	112	139	54	62
6	41	226	286	431	710	360	500	230	139	113	54	55
7	43	200	231	438	e620	354	478	210	376	105	49	52
8	45	181	324	409	e500	353	515	202	285	99	308	58
9	50	167	351	416	e420	371	523	234	219	97	1,710	58
10	47	157	375	480	e380	502	1,620	247	190	95	792	53
11	41	145	575	490	e390	1,070	2,750	348	339	93	341	52
12	40	136	473	946	e400	2,750	2,410	352	405	88	210	64
13	39	181	386	2,580	e420	2,420	2,350	288	315	80	307	97
14	39	186	337	3,200	443	1,610	1,820	250	532	76	321	109
15	39	166	304	2,210	442	1,140	1,450	227	388	69	341	84
16	38	152	287	1,660	420	918	1,210	209	316	63	267	72
17	38	138	446	1,330	371	762	1,120	191	291	59	155	65
18	38	129	1,610	1,050	325	643	905	177	246	56	116	61
19	49	123	1,560	917	351	678	827	167	219	56	100	57
20	55	120	1,140	814	329	674	896	161	194	55	87	57
21	48	117	1,590	675	295	617	668	154	175	61	79	64
22	50	121	1,600	e470	302	595	571	181	153	64	82	116
23	60	159	1,160	e380	278	496	513	177	137	427	74	88
24	161	166	954	e335	283	433	487	206	136	207	68	71
25	110	163	839	e320	270	455	470	204	138	127	64	64
26	89	159	744	e310	256	430	421	169	117	92	63	59
27	76	151	570	e300	313	461	390	145	113	80	76	63
28	71	139	546	e300	448	493	358	145	126	111	77	86
29	214	125	511	e370	---	496	361	317	263	120	75	98
30	2,230	106	486	e840	---	523	431	273	188	92	71	99
31	1,100	---	456	3,510	---	584	---	204	---	76	65	---
Total	5,056	5,839	18,801	27,244	15,047	22,403	27,365	7,636	6,696	3,608	6,273	2,144
Mean	163	195	606	879	537	723	912	246	223	116	202	71.5
Max	2,230	642	1,610	3,510	2,040	2,750	2,750	491	532	427	1,710	116
Min	38	106	98	300	256	353	358	145	112	55	49	52
Cfsm	0.35	0.41	1.29	1.87	1.14	1.54	1.94	0.52	0.47	0.25	0.43	0.15
In.	0.40	0.46	1.49	2.16	1.19	1.77	2.17	0.60	0.53	0.29	0.50	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	207	343	454	451	501	1,123	1,124	597	343	185	131	158
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)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1918 - 2013	
Annual total	120,870		148,112			
Annual mean	330		406		467	
Highest annual mean					835 2004	
Lowest annual mean					210 1965	
Highest daily mean	2,230	Oct 30	3,510	Jan 31	24,400	Jul 8, 1935
Lowest daily mean	32	Sep 3	38	Oct 16	8.0	Sep 6, 1934
Annual seven-day minimum	38	Aug 21	39	Oct 12	11	Sep 3, 1934
Annual runoff (cfsm)	0.703		0.863		0.995	
Annual runoff (inches)	9.57		11.72		13.51	
10 percent exceeds	758		910		1,110	
50 percent exceeds	203		247		220	
90 percent exceeds	43		59		52	

