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 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 (*):

[A, value is affected by ice at the measurement site]

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 11	1530	ice jam	*A5.69
Mar 9	1000	*4,720	4.95

Minimum discharge, 45 ft^3/s, Sept. 26, gage height, -0.03 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	141	244	278	e810	e190	e500	468	233	167	1,090	150	122
2	156	221	369	e650	e230	e450	456	278	154	709	143	102
3	178	199	317	e600	e220	e250	509	266	142	583	172	92
4	192	187	301	e570	e210	e220	874	238	132	414	129	93
5	156	176	349	e540	e200	e200	729	224	120	319	110	89
6	131	166	e250	e500	e200	e280	744	253	109	268	98	79
7	114	164	e240	e480	e230	592	810	299	103	230	89	74
8	103	158	e180	e500	e800	1,500	741	300	101	215	85	76
9	99	146	e210	e420	e1,200	3,830	670	268	136	223	198	69
10	89	139	e300	e400	e1,300	2,450	608	215	126	204	376	64
11	82	135	495	e380	e1,800	2,970	594	191	113	201	253	62
12	79	128	e380	e360	e2,800	1,920	522	172	261	230	271	75
13	75	125	e310	e340	2,780	1,390	485	162	244	173	300	76
14	71	130	e290	e320	1,660	1,130	435	163	189	148	182	67
15	70	276	e390	e300	1,110	955	401	178	150	132	145	64
16	71	592	926	e280	e700	835	371	213	125	119	127	67
17	102	391	631	e260	e550	761	346	366	114	114	112	60
18	162	327	527	e240	e470	716	330	244	276	117	134	57
19	169	287	448	e230	e440	966	321	192	300	e110	200	56
20	168	262	e380	e220	e400	845	314	167	256	e103	138	54
21	164	246	e330	e220	e380	711	322	149	475	100	229	51
22	163	210	e300	e210	e360	668	316	133	379	191	278	50
23	162	206	e280	e230	e340	604	309	127	268	147	181	51
24	158	204	e350	e260	e320	542	300	119	207	145	188	50
25	262	208	e700	e250	e300	531	275	110	193	134	143	49
26	627	217	e680	e240	e330	536	256	111	e270	120	122	46
27	381	215	e1,100	e230	568	677	240	164	e327	178	128	71
28	360	211	3,080	e210	926	535	228	144	e258	149	118	116
29	457	212	2,510	e220	---	479	247	553	e335	124	145	99
30	338	212	1,700	e200	---	576	235	307	602	130	158	93
31	278	---	1,200	e190	---	505	---	207	---	134	143	---
Total	5,758	6,594	19,801	10,860	21,014	29,124	13,456	6,746	6,632	7,254	5,245	2,174
Mean	186	220	639	350	750	939	449	218	221	234	169	72.5
Max	627	592	3,080	810	2,800	3,830	874	553	602	1,090	376	122
Min	70	125	180	190	190	200	228	110	101	100	85	46
Cfsm	0.40	0.47	1.36	0.75	1.60	2.00	0.95	0.46	0.47	0.50	0.36	0.15
In.	0.46	0.52	1.57	0.86	1.66	2.31	1.07	0.53	0.52	0.57	0.42	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	198	343	447	443	503	1,115	1,130	596	345	189	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)

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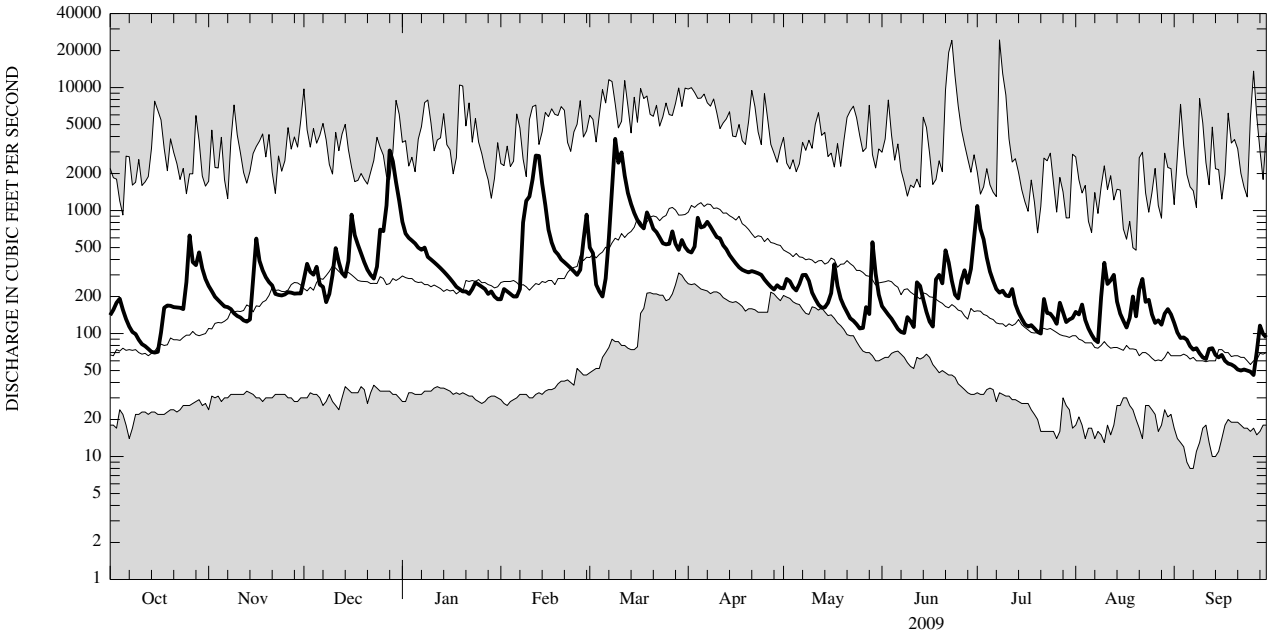
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1918 - 2009	
Annual total	178,801		134,658			
Annual mean	489		369		466	
Highest annual mean					835	2004
Lowest annual mean					210	1965
Highest daily mean	6,100	Feb 6	3,830	Mar 9	24,400	Jul 8, 1935
Lowest daily mean	54	Sep 25	46	Sep 26	8.0	Sep 6, 1934
Annual seven-day minimum	60	Sep 21	50	Sep 20	11	Sep 3, 1934
Annual runoff (cfsm)	1.04		0.785		0.992	
Annual runoff (inches)	14.15		10.66		13.47	
10 percent exceeds	1,110		710		1,110	
50 percent exceeds	258		230		219	
90 percent exceeds	89		99		51	



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.