01529500 COHOCTON RIVER NEAR CAMPBELL, NY

LOCATION.--Lat 42°15'09", long 77°13'01", Steuben County, 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.

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, Sep. 6, 7, 1934.

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

	Time	Discharge (ft^3/s)	Gage height (ft)	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 20	0100	6,260	5.83	0200	6,790	6.07
Dec 11	1430	5,120	5.21	1500	*12,200	*8.09
Dec 24	2000	4,750	4.97	0630	8,200	6.68
Mar 6	0000	5,040	5.16			

Minimum discharge, 128 ft^3/s, July 12, 13, 14, gage height, 0.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	559	511	795	1,110	e260	356	1,440	561	1,290	179	603	1,120
2	495	452	754	1,030	e260	841	3,160	834	1,090	168	454	750
3	450	449	666	1,060	e260	2,420	2,240	1,580	2,180	156	310	601
4	437	414	625	1,080	e270	2,440	1,800	1,080	1,460	148	270	510
5	515	391	611	1,010	e260	4,230	1,500	1,000	1,080	147	270	458
6	436	407	520	925	e250	4,440	1,260	847	939	140	224	348
7	e370	365	480	e740	e280	2,890	1,150	1,090	806	138	205	256
8	e330	368	438	e720	e290	2,060	1,010	828	691	162	193	257
9	e300	384	465	e650	e320	1,560	918	1,250	603	160	175	8,140
10	286	357	441	e500	e320	1,120	839	1,050	574	155	170	5,160
11	254	308	3,060	e450	e310	896	772	1,020	518	140	241	2,450
12	237	295	2,330	e600	e320	814	721	851	401	130	209	1,620
13	227	375	1,540	556	e300	709	2,120	890	339	130	314	1,220
14	214	344	1,180	e440	e290	633	4,680	1,020	318	261	290	923
15	324	315	1,070	e370	e280	654	2,580	1,800	e300	421	222	768
16	320	322	929	e330	e280	602	1,760	1,500	e280	320	211	603
17	289	335	938	e420	e270	540	1,330	1,050	288	287	190	1,960
18	276	338	935	e410	e260	572	1,160	911	933	418	165	6,190
19	267	1,620	833	e400	e250	631	1,180	846	576	434	150	2,800
20	263	4,150	725	e370	e240	644	949	725	416	371	157	1,800
21	231	2,050	629	e350	274	1,240	835	949	324	247	1,270	1,370
22	218	1,380	617	e330	e270	994	1,100	985	296	199	702	1,060
23	224	1,060	1,060	e320	e270	834	1,270	1,680	289	195	395	825
24	219	913	2,980	e300	e280	943	1,120	e2,500	248	175	347	677
25	208	1,030	3,270	e290	e270	1,880	911	1,890	230	151	409	573
26	205	821	2,100	e280	e260	1,900	921	2,000	232	159	420	507
27	735	730	1,600	e270	e260	1,910	842	1,520	218	1,860	275	456
28	923	721	1,370	e260	e260	1,580	746	1,970	201	1,420	198	423
29	789	1,060	1,200	e250	e280	1,270	692	1,290	215	871	186	395
30	837	841	1,520	e250	---	1,060	640	983	193	575	1,550	379
31	648	---	1,420	e250	---	1,010	---	966	---	665	2,190	---
TOTAL	12,086	23,106	37,101	16,321	7,994	43,673	41,646	37,466	17,528	10,982	12,965	44,599
MEAN	390	770	1,197	526	276	1,409	1,388	1,209	584	354	418	1,487
MAX	923	4,150	3,270	1,110	320	4,440	4,680	2,500	2,180	1,860	2,190	8,140
MIN	205	295	438	250	240	356	640	561	193	130	150	256
CFSM	0.83	1.64	2.55	1.12	0.59	3.00	2.95	2.57	1.24	0.75	0.89	3.16
IN.	0.96	1.83	2.94	1.29	0.63	3.46	3.30	2.97	1.39	0.87	1.03	3.53

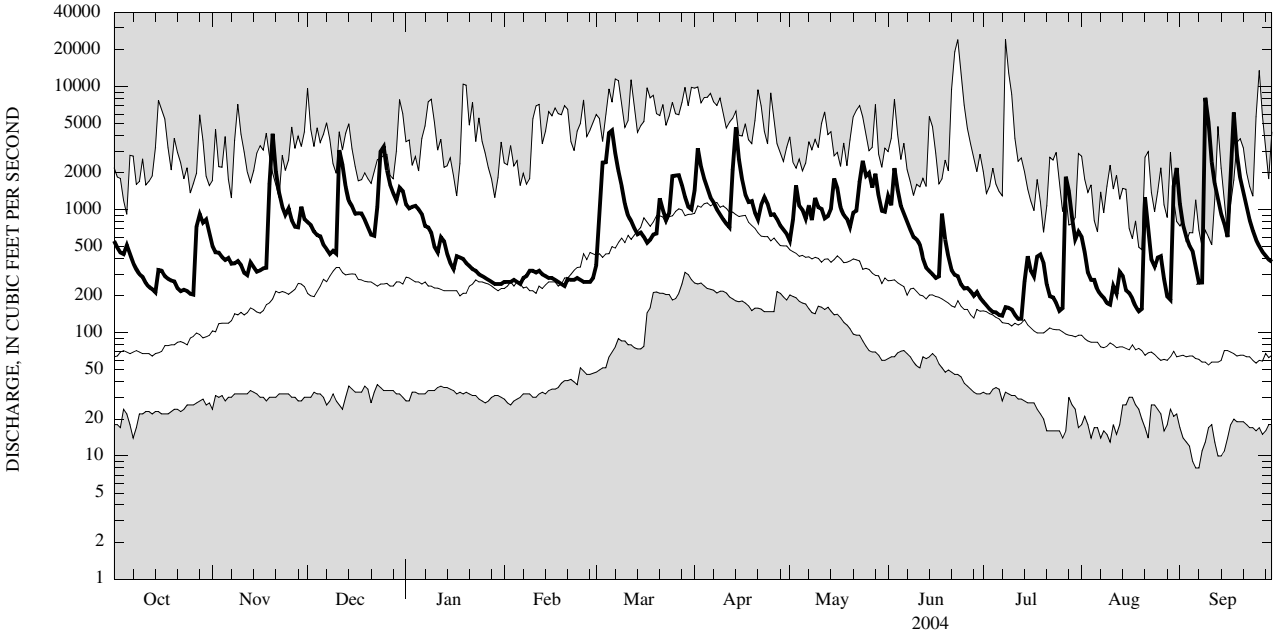
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	188	335	431	417	491	1,112	1,139	614	348	188	129	151
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	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL TOTAL	262,920		305,467			
ANNUAL MEAN	720		835		461	
HIGHEST ANNUAL MEAN					835	2004
LOWEST ANNUAL MEAN					210	1965
HIGHEST DAILY MEAN	6,670	Mar 22	8,140	Sep 9	24,400	Jul 8, 1935
LOWEST DAILY MEAN	110	Jul 8	130	Jul 12	8.0	Sep 6, 1934
ANNUAL SEVEN-DAY MINIMUM	123	Jul 3	145	Jul 7	11	Sep 3, 1934
ANNUAL RUNOFF (CFSM)	1.53		1.78		0.982	
ANNUAL RUNOFF (INCHES)	20.81		24.18		13.34	
10 PERCENT EXCEEDS	1,600		1,800		1,110	
50 PERCENT EXCEEDS	387		572		210	
90 PERCENT EXCEEDS	183		217		50	

e Estimated



2004 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.