

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY

Oswego Basin
Seneca Subbasin

LOCATION.--Lat 43°03'27", long 76°09'45" referenced to North American Datum of 1983, Onondaga County, NY, Hydrologic Unit 04140201, on right bank 450 ft upstream from bridge on Spencer Street in Syracuse, 1,200 ft upstream from Erie (Barge) Canal terminal, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--110 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1958-70. September 1970 to current year.

REVISED RECORDS.--WDR NY-72-1: 1971 (M). WDR NY-75-1: 1972 (M), 1974 (M). WDR NY-81-3: Drainage area. WDR NY-89-3: 1971-72(M), 1974-80 (M), 1982-84 (M), 1986 (M), 1988 (M).

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 362.29 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. High flows regulated by Onondaga Reservoir. Flow may be affected by backwater from Onondaga Lake at times when the lake elevation exceeds 365.00 ft. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,050 ft³/s, July 3, 1974, gage height, 8.73 ft, from rating curve extended above 1,700 ft³/s on basis of runoff comparisons with nearby stations; minimum discharge, 20 ft³/s, Sept. 26, 1985, gage height, 2.16 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,460 ft³/s, May 29, gage height, 6.37 ft; minimum discharge, 31 ft³/s, Oct. 27, gage height, 2.27 ft.

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	47	72	44	124	615	312	272	159	142	371	100	103
2	43	72	48	115	329	238	239	148	124	504	102	246
3	42	69	54	107	241	194	203	140	117	314	97	178
4	41	68	55	119	211	177	185	135	108	218	92	104
5	39	61	89	112	182	166	179	128	103	224	86	84
6	48	57	83	111	172	157	166	121	408	501	81	74
7	46	51	71	114	147	158	158	117	547	398	78	74
8	48	52	72	107	162	162	156	115	398	322	77	81
9	44	43	71	106	157	160	173	114	247	243	81	74
10	41	45	124	118	146	169	430	111	209	232	81	94
11	40	44	200	134	167	291	604	137	257	202	73	100
12	44	49	136	349	191	542	660	127	257	174	70	122
13	44	100	101	580	172	597	601	110	390	158	112	171
14	55	89	86	623	162	415	474	104	479	149	97	180
15	47	67	79	444	169	291	370	100	346	136	80	130
16	43	56	71	298	168	246	304	97	234	125	73	109
17	41	54	76	245	141	209	337	88	222	118	68	97
18	40	54	301	193	128	189	283	82	191	116	66	89
19	66	54	295	183	140	209	302	81	174	120	64	83
20	64	52	160	185	140	210	451	80	155	152	62	79
21	49	49	311	141	126	190	354	96	142	147	61	98
22	44	47	350	129	121	183	277	249	133	119	95	190
23	47	51	239	115	125	177	250	164	141	142	64	123
24	55	51	181	104	130	173	235	161	158	124	62	101
25	51	47	165	109	127	177	236	154	138	108	59	91
26	48	49	139	105	124	181	217	125	199	99	94	84
27	43	49	124	100	207	184	196	107	142	96	118	80
28	46	48	138	102	338	187	183	111	315	161	84	77
29	57	48	131	146	---	186	182	387	242	192	83	74
30	106	47	133	346	---	180	170	345	204	128	69	72
31	84	---	126	699	---	185	---	196	---	108	64	---
Total	1,553	1,695	4,253	6,463	5,238	7,095	8,847	4,389	6,922	6,201	2,493	3,262
Mean	50.1	56.5	137	208	187	229	295	142	231	200	80.4	109
Max	106	100	350	699	615	597	660	387	547	504	118	246
Min	39	43	44	100	121	157	156	80	103	96	59	72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	115	156	210	200	218	338	347	198	142	105	82.9	87.6
Max	424	324	452	425	457	653	935	390	617	294	180	275
(WY)	(1978)	(1978)	(1973)	(1998)	(1976)	(1979)	(1993)	(2000)	(1972)	(2006)	(2004)	(1975)
Min	39.2	48.9	53.9	73.6	70.4	123	153	78.8	49.3	39.6	30.4	36.2
(WY)	(1984)	(1999)	(1999)	(1981)	(1980)	(1983)	(1995)	(1995)	(1995)	(1995)	(1999)	(1995)

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1970 - 2013	
Annual total	45,334		58,411			
Annual mean	124		160		183	
Highest annual mean					273	1976
Lowest annual mean					100	1995
Highest daily mean	599	Jan 28	699	Jan 31	2,040	Mar 5, 1979
Lowest daily mean	33	Aug 22	39	Oct 5	23	Sep 26, 1985
Annual seven-day minimum	34	Aug 20	44	Oct 1	26	Aug 31, 1999
10 percent exceeds	252		314		361	
50 percent exceeds	89		126		130	
90 percent exceeds	40		49		50	

