

Water-Data Report 2013

04233255 CAYUGA INLET AT ITHACA, NY

Oswego Basin
Seneca Subbasin

LOCATION.--Lat 42°25'38", long 76°31'18" referenced to North American Datum of 1983, Tompkins County, NY, Hydrologic Unit 04140201, on left bank, on the upstream abutment face of flood-control weir, at east end of unnamed gravel road, 0.3 mi east of State Highway 13A, 0.9 mi downstream from Buttermilk Creek and 2.4 mi upstream from mouth.

DRAINAGE AREA.--86.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum only--1971-72, 1975-2005, June 2012 to current year.

GAGE.--Water-stage recorder. Datum of gage is 379.97 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s, Jan. 19, 1996, gage height, 14.67 ft; minimum discharge, 5.0 ft³/s, part or all of each day, July 31, Aug 4, 5, 8, 9, 25-27, Sept 2, 2012.

EXTREMES FOR CURRENT PERIOD:

June to September 2012: Maximum discharge, 137 ft³/s, Aug. 15, gage height, 4.84 ft; minimum discharge, 5.0 ft³/s, part or all of each day, July 31, Aug 4, 5, 8, 9, 25-27, Sept 2, gage height, 4.22 ft.

Water year 2013: Maximum discharge, 3,730 ft³/s, Aug. 8, gage height, 9.48 ft; minimum discharge, 10 ft³/s, Oct. 2, 5, gage height, 4.27 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	e35	10	9.2	6.3
2	---	---	---	---	---	---	---	---	53	9.7	8.2	5.8
3	---	---	---	---	---	---	---	---	34	8.9	7.1	6.6
4	---	---	---	---	---	---	---	---	49	11	6.4	9.1
5	---	---	---	---	---	---	---	---	65	10	6.3	14
6	---	---	---	---	---	---	---	---	42	8.7	8.1	13
7	---	---	---	---	---	---	---	---	38	10	6.1	15
8	---	---	---	---	---	---	---	---	28	11	5.6	12
9	---	---	---	---	---	---	---	---	26	8.4	5.7	13
10	---	---	---	---	---	---	---	---	24	7.7	13	12
11	---	---	---	---	---	---	---	---	21	7.7	11	9.6
12	---	---	---	---	---	---	---	---	34	7.9	7.5	8.3
13	---	---	---	---	---	---	---	---	37	6.7	6.7	7.7
14	---	---	---	---	---	---	---	---	25	7.0	13	8.8
15	---	---	---	---	---	---	---	---	20	7.3	50	12
16	---	---	---	---	---	---	---	---	18	9.3	16	9.9
17	---	---	---	---	---	---	---	---	18	7.3	11	8.3
18	---	---	---	---	---	---	---	---	16	6.7	9.5	26
19	---	---	---	---	---	---	---	---	17	6.5	8.4	31
20	---	---	---	---	---	---	---	---	16	7.9	7.7	15
21	---	---	---	---	---	---	---	---	14	9.2	7.8	12
22	---	---	---	---	---	---	---	---	13	7.8	7.2	17
23	---	---	---	---	---	---	---	---	13	7.3	6.6	15
24	---	---	---	---	---	---	---	---	12	7.1	6.3	13
25	---	---	---	---	---	---	---	---	15	6.6	5.6	11
26	---	---	---	---	---	---	---	---	14	11	5.4	11
27	---	---	---	---	---	---	---	---	12	15	5.4	10
28	---	---	---	---	---	---	---	---	12	12	17	11
29	---	---	---	---	---	---	---	---	11	9.5	9.9	11
30	---	---	---	---	---	---	---	---	11	7.4	7.4	11
31	---	---	---	---	---	---	---	---	---	6.7	6.5	---
Total	---	---	---	---	---	---	---	---	743	269.3	301.6	365.4
Mean	---	---	---	---	---	---	---	---	24.8	8.69	9.73	12.2
Max	---	---	---	---	---	---	---	---	65	15	50	31
Min	---	---	---	---	---	---	---	---	11	6.5	5.4	5.8
Cfsm	---	---	---	---	---	---	---	---	0.29	0.10	0.11	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	---	24.8	8.69	9.73	12.2
Max	---	---	---	---	---	---	---	---	24.8	8.69	9.73	12.2
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2012)	(2012)
Min	---	---	---	---	---	---	---	---	24.8	8.69	9.73	12.2
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2012)	(2012)

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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	11	70	18	87	259	152	271	75	25	238	31	19
2	11	59	19	75	152	107	151	69	23	292	54	278
3	11	44	20	81	125	93	114	65	21	159	55	87
4	11	35	19	82	112	84	100	57	20	76	31	48
5	11	30	37	79	104	78	97	52	18	48	26	33
6	13	27	31	79	96	76	88	49	22	36	24	28
7	14	25	30	79	90	79	82	48	41	31	22	25
8	13	24	75	76	85	80	80	46	46	29	372	24
9	12	23	67	75	80	82	78	50	35	37	1,190	22
10	13	21	117	84	68	129	201	46	30	31	235	22
11	14	21	207	92	84	330	254	75	41	30	117	22
12	14	20	98	272	88	821	327	55	41	23	87	65
13	14	58	76	420	81	424	316	46	35	22	103	73
14	15	47	64	261	81	242	212	41	40	20	87	47
15	16	34	55	168	84	169	162	38	31	18	65	35
16	15	30	51	142	82	141	167	35	28	16	51	30
17	15	27	74	122	60	116	234	31	25	14	43	27
18	14	25	622	102	52	99	149	30	23	30	37	24
19	25	24	263	104	61	111	186	29	21	27	35	23
20	21	23	146	111	57	109	262	30	18	16	32	21
21	17	23	734	86	47	96	148	27	17	16	29	37
22	15	21	329	60	46	89	126	45	16	23	26	81
23	24	21	187	45	49	84	113	39	18	510	26	39
24	42	21	143	e45	51	84	110	46	27	100	23	29
25	25	20	122	e45	48	87	124	36	33	56	21	25
26	19	20	103	e45	46	86	97	29	23	36	24	23
27	17	18	108	e45	102	88	89	27	20	32	46	22
28	17	18	99	47	189	95	83	30	51	135	30	20
29	61	18	98	108	---	96	84	66	48	77	25	19
30	262	18	93	240	---	96	80	39	45	45	22	19
31	100	---	88	981	---	121	---	29	---	37	20	---
Total	882	865	4,193	4,338	2,479	4,544	4,585	1,380	882	2,260	2,989	1,267
Mean	28.5	28.8	135	140	88.5	147	153	44.5	29.4	72.9	96.4	42.2
Max	262	70	734	981	259	821	327	75	51	510	1,190	278
Min	11	18	18	45	46	76	78	27	16	14	20	19
Cfsm	0.33	0.33	1.56	1.61	1.02	1.69	1.76	0.51	0.34	0.84	1.11	0.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	28.5	28.8	135	140	88.5	147	153	44.5	27.1	40.8	53.1	27.2
Max	28.5	28.8	135	140	88.5	147	153	44.5	29.4	72.9	96.4	42.2
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)
Min	28.5	28.8	135	140	88.5	147	153	44.5	24.8	8.69	9.73	12.2
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2012)	(2012)	(2012)	(2012)

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SUMMARY STATISTICS

	Water Year 2013		Water Years 2012 - 2013	
Annual total	30,664			
Annual mean	84.0		84.0	
Highest annual mean			84.0	2013
Lowest annual mean			84.0	2013
Highest daily mean	1,190	Aug 9	1,190	Aug 9, 2013
Lowest daily mean	11	Oct 1	5.4	Aug 26, 2012
Annual seven-day minimum	12	Oct 1	6.3	Aug 21, 2012
Annual runoff (cfsm)	0.969		0.969	
10 percent exceeds	167		167	
50 percent exceeds	47		47	
90 percent exceeds	18		18	

