04245236 MEADOW BROOK AT HURLBURT ROAD, SYRACUSE, NY

Oswego Basin
Oneida Subbasin

LOCATION.--Lat 43°02′30″, long 76°06′02″ referenced to North American Datum of 1927, Onondaga County, NY, Hydrologic Unit 04140202, on right bank downstream side of the culvert at intersection of Hurlburt Road and Meadowbrook Drive, in Syracuse, 1.8 mi upstream from mouth.

DRAINAGE AREA.--3.06 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1970 to March 1973, April 1973 to September 1978 (annual maximum only), October 1978 to current year.

REVISED RECORDS.--WDR NY-75-1: 1974 (M). WDR NY-78-1: 1977 (M). WDR NY-90-3: 1971-89 (P). WDR NY-01-3: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and artificial control. Datum of gage is 511.50 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow includes storm sewer inflow, some originating outside the basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 418 ft^3/s, July 3, 1974, gage height 6.51 ft, from rating curve extended above 80 ft^3/s on basis of computation of peak flow through culvert at gage height 6.36 ft; minimum discharge, 0.02 ft^3/s, Sept. 11, 1972, Aug. 24, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 19	2100	*290	*3.84
No other peak greater than base discharge			

Minimum discharge not determined.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	1.4	e23	4.7	0.65	1.1	7.3	3.1	0.33	1.3	2.8	e0.44
2	1.2	1.3	e6.5	3.4	0.78	16	5.5	2.9	0.31	1.2	2.3	e0.44
3	1.1	1.3	e3.3	2.9	0.77	7.4	3.7	2.8	0.48	1.2	2.0	e0.45
4	1.3	1.3	e2.9	2.8	0.78	3.7	6.8	2.6	15	1.2	1.8	e0.46
5	1.0	1.3	e2.7	11	e0.78	2.3	4.3	2.4	5.7	1.3	1.7	e0.47
6	0.85	1.3	e2.6	19	e0.78	1.5	3.3	2.4	1.1	1.3	1.5	e0.47
7	0.84	1.3	e2.6	7.4	e0.77	e0.90	3.0	2.5	0.36	1.4	2.4	e0.47
8	0.85	1.3	e2.2	14	e0.77	0.55	2.8	2.3	2.3	10	2.5	e0.50
9	0.90	e1.3	e2.2	5.9	e0.77	1.6	2.5	2.6	1.7	5.5	1.3	e4.0
10	0.91	e1.3	e2.2	5.2	0.77	2.0	2.6	2.7	0.39	1.5	3.1	e0.80
11	0.95	e3.4	e2.3	5.1	0.78	4.6	2.1	2.4	0.41	10	1.1	e0.64
12	1.9	e5.3	e2.2	7.8	0.78	4.9	4.1	1.8	0.33	4.0	0.70	e0.56
13	1.0	e2.4	e2.1	13	e0.78	12	3.5	1.5	0.26	1.9	0.67	e0.50
14	1.0	e7.5	e1.9	8.7	e0.77	45	2.5	1.4	0.26	1.1	0.60	e0.58
15	0.95	e3.4	e1.7	22	e0.76	28	7.0	1.8	0.32	3.0	0.62	e4.0
16	0.82	e9.6	e1.6	7.3	e0.75	7.7	9.6	5.0	0.39	1.4	0.75	e0.64
17	3.0	e7.0	e1.5	3.5	e0.75	5.2	13	1.8	0.46	1.5	1.9	e0.66
18	2.0	e3.2	e1.4	2.8	e0.74	4.3	16	1.3	1.0	3.9	2.9	e0.60
19	17	e2.7	1.1	3.1	e1.0	3.0	7.5	1.1	20	8.5	1.0	e0.54
20	29	e2.4	1.1	2.6	1.5	2.8	4.8	1.0	17	10	0.75	e3.0
21	3.9	e2.2	1.1	1.4	2.6	3.0	4.3	0.86	2.6	2.3	0.71	e0.54
22	1.8	e2.0	7.2	1.4	2.8	11	3.9	0.69	1.7	1.5	0.59	e0.48
23	1.5	e1.9	7.8	1.4	2.5	6.8	5.7	0.74	1.4	3.2	5.6	e0.48
24	2.5	e1.8	3.7	2.1	1.1	8.6	4.7	0.66	1.3	5.5	2.2	e0.46
25	2.7	e1.6	12	1.1	1.1	5.7	4.6	2.0	1.3	2.1	1.1	e0.44
26	1.5	e1.4	17	0.86	1.5	17	3.8	0.64	1.0	1.6	0.51	e6.6
27	1.8	e1.2	7.3	0.78	1.6	13	3.9	1.1	6.0	3.6	0.47	e1.0
28	11	e1.2	5.0	0.75	1.3	6.3	3.7	0.65	3.1	3.1	0.45	e0.76
29	3.2	e1.2	4.1	0.64	---	4.7	3.5	0.33	1.4	2.3	e0.45	e0.54
30	1.8	e1.6	4.4	0.70	---	4.2	3.4	0.34	1.3	2.2	e0.44	e0.50
31	1.6	---	3.9	0.67	---	3.6	---	0.35	---	2.0	e0.44	---
Total	101.17	76.1	140.6	164.00	30.73	238.45	153.4	53.76	89.20	100.6	45.35	32.02
Mean	3.26	2.54	4.54	5.29	1.10	7.69	5.11	1.73	2.97	3.25	1.46	1.07
Max	29	9.6	23	22	2.8	45	16	5.0	20	10	5.6	6.6
Min	0.82	1.2	1.1	0.64	0.65	0.55	2.1	0.33	0.26	1.1	0.44	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.71	2.08	2.26	2.26	2.41	3.72	3.28	2.56	2.28	1.96	1.51	1.64
Max	4.73	4.46	4.66	5.56	4.38	7.69	7.51	5.56	6.12	5.54	5.16	3.03
(WY)	(1982)	(1997)	(1991)	(1998)	(1990)	(2007)	(1993)	(2000)	(1972)	(2006)	(1990)	(1989)
Min	0.19	0.71	1.04	0.67	1.10	1.38	1.34	1.08	0.86	0.48	0.32	0.31
(WY)	(1972)	(1979)	(1971)	(1981)	(2007)	(1981)	(1981)	(1971)	(1981)	(1980)	(1971)	(1971)

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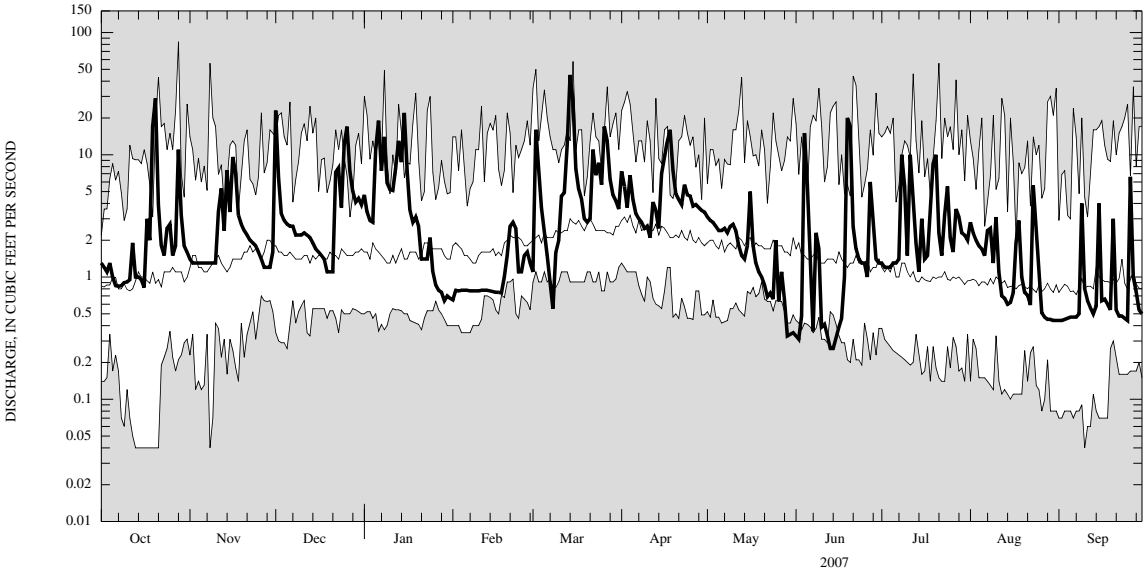
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1971 - 2007	
Annual total	1,074.61		1,225.38			
Annual mean	2.94		3.36		2.32	
Highest annual mean					3.36	2007
Lowest annual mean					1.27	1981
Highest daily mean	46	Jul 12	45	Mar 14	84	Oct 28, 1981
Lowest daily mean	0.80	Jun 2	0.26	Jun 13	0.04	Oct 13, 1971
Annual seven-day minimum	0.90	Oct 5	0.34	Jun 10	0.04	Oct 13, 1971
10 percent exceeds	5.9		7.4		4.2	
50 percent exceeds	1.8		1.8		1.5	
90 percent exceeds	1.1		0.54		0.63	



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.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972, 2006.
NUTRIENT DATA: Water years 1972 (a), 2006 (a), 2007 (d).
SEDIMENT DATA: Water year 2006 (a), 2007 (d).

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)
Oct													
20...	0625	22	486	12.4	.4	.7	E.012	.494	.007	.053	.075	.131	27
20...	0905	16	533	12.8	.4	.7	E.017	.521	.008	.051	.069	.133	27
20...	1350	67	330	9.8	.3	.7	<.02	.327	.002	.056	.080	.174	102
Nov													
27...	1255	6.7	1,940	11.1	.2	.2	E.015	.493	.009	.068	.076	.064	121
Dec													
01...	1655	37	184	13.0	.3	3.2	.049	.392	.011	.101	.120	.79	545
Jan													
22...	1205	1.4	6,900	2.8	.2	.3	.048	.922	.012	.058	.060	.081	83
Mar													
13...	0910	5.3	3,640	4.3	.3	.3	.035	.827	.014	.054	.065	.076	22
14...	1150	47	1,360	4.5	.3	.8	.07	.897	.018	.071	.075	.183	109
14...	1610	75	1,160	6.3	.4	.7	.205	1.03	.011	.059	.087	.276	172
May													
15...	1025	1.4	2,190	15.3	.2	.3	.022	.219	.007	.035	.040	.054	84
Jul													
17...	1050	.75	2,060	21.6	.2	.2	<.02	<.060	E.002	.010	.019	.022	47
Sep													
13...	0905	.50	1,910	17.1	.2	.2	<.02	E.059	.002	.025	.033	.035	52
27...	1930	3.9	1,680	21.3	.3	.3	E.015	.212	.005	.021	.030	.035	7
27...	1940	8.2	1,230	20.5	.4	.6	.103	.331	.009	.020	.039	.094	63
27...	1955	29	655	20.1	.5	1.5	.141	.413	.014	.039	.057	.33	130
27...	2005	34	520	19.9	.6	1.5	.175	.365	.014	.060	.081	.33	155