Water-Data Report 2011

04230380 OATKA CREEK AT WARSAW, NY

Southwestern Lake Ontario Basin
Lower Genesee Subbasin

LOCATION.--Lat 42°44′39″, long 78°08′16″ referenced to North American Datum of 1927, Wyoming County, NY, Hydrologic Unit 04130003, on right bank 400 ft downstream from bridge on Court Street, Warsaw.

DRAINAGE AREA.--39.1 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1963 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 987.15 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records good except those for estimated daily discharges, which are fair. U.S. Army Corps of Engineers, Buffalo District, telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,110 ft^3/s, July 8, 1998, gage height 9.90 ft; minimum discharge, 0.87 ft^3/s, Sept. 28, 2007.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 1	0945	*1,750	*6.21
Apr 20	0500	1,230	5.28

Minimum discharge, 2.8 ft^3/s, Aug. 5, gage height, 0.96 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 04230380, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/04230380.2011.pdf

04230380 OATKA CREEK AT WARSAW, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	19	890	e200	e25	236	95	79	56	13	6.5	5.5
2	21	18	193	120	e25	127	112	85	44	12	5.3	5.3
3	31	18	104	70	e24	91	105	262	39	11	5.8	4.6
4	38	18	84	59	e25	83	234	240	41	10	6.5	4.8
5	96	27	72	51	e25	260	270	129	45	9.4	5.0	9.4
6	118	29	62	e46	e24	583	137	101	34	9.0	4.7	7.7
7	81	23	57	e42	e25	185	122	86	32	8.6	12	7.9
8	40	21	50	e40	e24	118	97	77	30	8.6	20	8.2
9	26	20	47	e38	e23	101	84	67	25	8.3	9.6	7.2
10	22	19	46	e36	e22	293	76	57	22	7.8	9.6	6.2
11	20	18	46	e34	e22	409	74	51	26	7.1	6.6	11
12	26	17	58	e32	e22	175	64	46	29	6.5	5.6	13
13	20	16	69	e30	e23	149	118	56	28	6.2	5.1	6.9
14	18	16	e48	e28	e24	111	104	142	24	6.0	41	5.8
15	20	18	e46	e30	e24	100	77	225	24	5.8	20	9.9
16	26	19	e44	e29	e25	131	77	303	20	5.5	10	8.0
17	20	102	42	e28	e55	135	108	147	21	5.4	7.1	6.3
18	18	52	40	e30	e550	195	86	133	20	5.4	5.9	5.9
19	16	36	39	e30	224	126	75	186	18	5.6	5.4	5.5
20	15	30	37	e29	117	89	523	155	16	5.1	5.3	6.0
21	22	26	35	e28	87	165	157	92	15	4.6	18	5.7
22	31	49	35	e27	e70	123	101	75	18	4.4	16	5.8
23	23	106	33	e26	e62	96	314	75	35	4.2	8.5	5.6
24	26	53	32	e25	e62	92	190	190	36	4.5	6.4	6.1
25	24	40	31	e25	e55	83	164	81	28	6.2	48	5.6
26	29	75	30	e25	e52	71	359	122	22	6.7	16	5.4
27	52	53	32	e25	e50	65	189	148	19	5.0	9.7	5.4
28	31	41	30	e25	343	61	198	147	20	4.8	8.4	18
29	28	36	29	e25	---	59	110	82	19	7.0	6.9	16
30	24	63	e30	e25	---	68	91	141	15	5.8	6.1	9.0
31	21	---	e80	e25	---	90	---	75	---	6.2	5.6	---
Total	1,029	1,078	2,471	1,283	2,109	4,670	4,511	3,855	821	215.7	346.6	227.7
Mean	33.2	35.9	79.7	41.4	75.3	151	150	124	27.4	6.96	11.2	7.59
Max	118	106	890	200	550	583	523	303	56	13	48	18
Min	15	16	29	25	22	59	64	46	15	4.2	4.7	4.6
Cfsm	0.85	0.92	2.04	1.06	1.93	3.85	3.85	3.18	0.70	0.18	0.29	0.19
In.	0.98	1.03	2.35	1.22	2.01	4.44	4.29	3.67	0.78	0.21	0.33	0.22

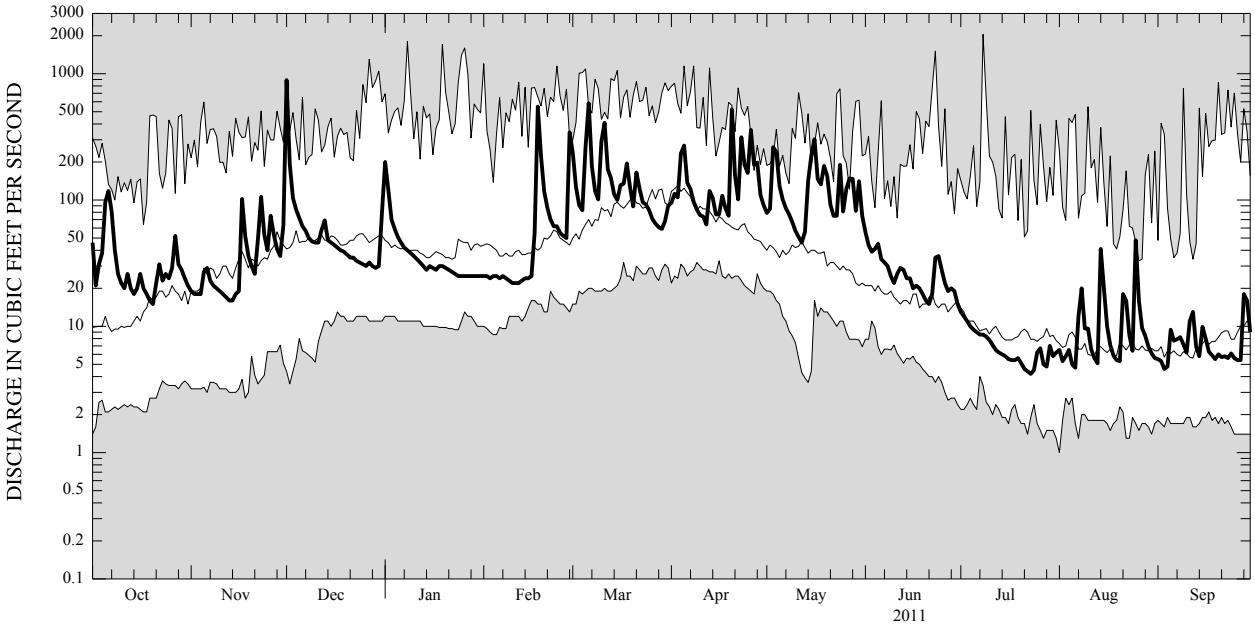
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	26.2	48.9	70.8	69.4	76.5	128	109	53.7	31.4	19.0	15.0	19.1
Max	101	131	192	234	235	232	185	135	165	145	86.8	166
(WY)	(2007)	(1986)	(2009)	(1979)	(1976)	(2003)	(1996)	(2004)	(1989)	(1998)	(1992)	(1977)
Min	2.76	5.09	17.2	15.1	22.5	49.2	33.2	16.9	6.36	2.52	2.36	1.81
(WY)	(1965)	(1965)	(1965)	(1981)	(1980)	(1981)	(1995)	(1995)	(1965)	(1965)	(1965)	(1964)

04230380 OATKA CREEK AT WARSAW, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1964 - 2011	
Annual total	17,511.3		22,617.0			
Annual mean	48.0		62.0		55.7	
Highest annual mean					83.3	1998
Lowest annual mean					29.6	1965
Highest daily mean	890	Dec 1	890	Dec 1	2,050	Jul 8, 1998
Lowest daily mean	4.4	Aug 14	4.2	Jul 23	1.0	Aug 1, 1965
Annual seven-day minimum	5.3	Aug 8	4.8	Jul 18	1.4	Jul 26, 1965
Annual runoff (cfsm)	1.23		1.58		1.42	
Annual runoff (inches)	16.66		21.52		19.35	
10 percent exceeds	91		144		121	
50 percent exceeds	31		30		30	
90 percent exceeds	7.0		6.0		5.5	



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.