Water-Data Report 2008

01500000 OULEOUT CREEK AT EAST SIDNEY, NY

Upper Susquehanna Basin
Upper Susquehanna Subbasin

LOCATION.--Lat 42°20′00″, long 75°14′07″ referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02050101, on right bank 0.2 mi downstream from bridge on County Highway 44, 0.4 mi downstream from East Sidney Dam, at East Sidney, and 3.5 mi upstream from mouth.

DRAINAGE AREA.--103 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1940 to current year.

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,086.23 ft above NGVD of 1929. Prior to June 13, 1947, water-stage recorder at site 0.5 mi upstream at datum 27.30 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since November 1949, flow regulated by East Sidney Lake (see station 01499500). Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of East Sidney Lake in 1950, 7,250 ft^3/s, Dec. 30, 1942, gage height, 7.62 ft, site and datum then in use; minimum daily discharge, 1.2 cfs, gage height, 0.32 ft, Aug. 13, 14, 17, 1949, result of construction, minimum instantaneous discharge not determined. Maximum discharge, since construction of East Sidney Lake in 1950, 4,000 ft^3/s, Apr. 7, 1960, gage height, 6.19 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 16,700 ft^3/s, in July 1935, was determined by computation of flow over dam measurement of peak flow and from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,070 ft^3/s, Mar. 10, gage height, 4.75 ft; minimum discharge, 14 ft^3/s, on many days, gage height, 1.10 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e30	204	257	306	152	155	730	37	40	29	51	e14
2	e30	160	227	241	356	138	767	37	40	26	39	e14
3	e30	144	375	155	368	130	605	37	40	26	39	e14
4	e20	123	408	169	273	302	539	37	40	26	40	e14
5	e15	112	353	224	518	171	675	38	40	18	40	e14
6	e15	160	310	226	627	19	631	38	39	14	40	e14
7	e15	217	290	406	20	791	449	39	38	14	40	e14
8	e15	222	285	661	994	22	444	40	38	14	40	e14
9	e25	177	264	717	1,780	21	369	40	38	15	40	e14
10	e55	144	251	721	1,390	984	286	40	37	15	40	e14
11	100	144	247	718	661	1,990	266	40	37	15	64	e14
12	155	144	537	875	284	1,920	322	54	37	14	75	e20
13	161	144	445	615	336	1,840	268	59	37	15	49	e26
14	158	144	355	479	448	1,720	194	59	37	23	40	e26
15	95	480	297	391	410	1,600	179	59	37	34	34	e26
16	67	484	263	306	299	1,440	180	59	28	37	28	e26
17	59	365	288	296	273	708	180	70	25	37	28	e26
18	47	296	294	264	975	344	125	96	24	37	28	e26
19	40	256	241	221	920	337	108	107	24	38	e28	e26
20	110	306	212	145	520	398	108	106	24	84	e28	e26
21	128	372	199	57	365	784	108	105	24	477	e28	e20
22	114	330	200	88	298	768	108	82	24	354	e28	e14
23	114	292	402	153	298	536	84	60	24	736	e27	e14
24	289	258	1,400	169	252	441	57	41	25	931	e27	e14
25	307	222	943	166	222	304	39	41	25	374	e26	e14
26	256	243	550	117	195	254	34	41	30	210	e26	17
27	469	573	447	89	158	254	34	41	37	198	e18	17
28	595	581	382	89	158	253	34	41	37	220	e16	17
29	355	425	360	89	156	216	35	41	37	218	e15	17
30	274	346	364	160	---	201	36	41	36	122	e15	17
31	217	---	360	187	---	362	---	40	---	89	e15	---
Total	4,360	8,068	11,806	9,500	13,706	19,403	7,994	1,666	999	4,460	1,052	543
Mean	141	269	381	306	473	626	266	53.7	33.3	144	33.9	18.1
Max	595	581	1,400	875	1,780	1,990	767	107	40	931	75	26
Min	15	112	199	57	20	19	34	37	24	14	15	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	104	188	236	204	208	342	394	182	106	70.0	42.8	64.3
Max	618	411	531	517	604	690	1,117	483	370	688	200	408
(WY)	(1978)	(1997)	(1997)	(1996)	(1981)	(1977)	(1993)	(1983)	(1968)	(2006)	(1994)	(1977)
Min	3.35	4.46	45.0	28.3	33.3	86.2	118	35.4	16.2	6.95	3.86	2.45
(WY)	(1965)	(1965)	(1961)	(1961)	(1980)	(1960)	(1985)	(1987)	(1964)	(1965)	(1964)	(1964)

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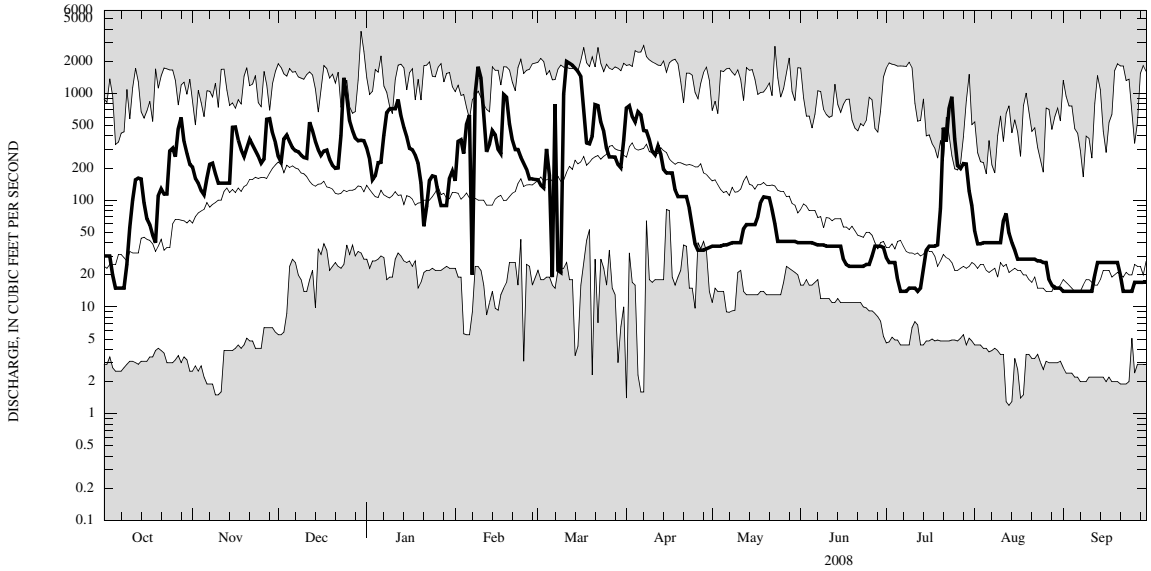
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1950 - 2008	
Annual total	80,939		83,557			
Annual mean	222		228		178	
Highest annual mean					285	2006
Lowest annual mean					77.9	1965
Highest daily mean	1,940	Mar 18	1,990	Mar 11	2,800	Apr 7, 1960
Lowest daily mean	13	Jun 22	14	Jul 6	1.4	Apr 1, 1989
Annual seven-day minimum	13	Jun 22	14	Sep 1	1.8	Nov 5, 1973
10 percent exceeds	482		557		418	
50 percent exceeds	104		114		90	
90 percent exceeds	24		18		13	



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.