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.--No estimated daily discharges. Records good. 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 ft^3/s, 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, 1,870 ft^3/s, Mar. 11, gage height, 4.54 ft; minimum discharge, 12 ft^3/s, Feb. 13, gage height, 1.10 ft.

01500000 OULEOUT CREEK AT EAST SIDNEY, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	58	166	247	327	81	424	169	23	139	282	851	92
2	42	169	344	261	57	341	169	23	130	319	472	92
3	23	227	336	275	50	235	169	23	118	402	419	92
4	23	249	290	245	50	180	273	23	76	337	265	59
5	23	248	272	227	50	201	302	23	59	248	153	48
6	23	246	268	182	50	219	302	24	59	140	142	48
7	24	244	232	171	50	248	311	25	59	127	160	48
8	24	224	215	233	49	523	266	26	59	172	160	48
9	25	197	210	233	135	412	209	26	157	187	140	48
10	17	146	380	173	171	14	198	47	164	163	461	47
11	14	105	484	138	179	771	198	55	117	126	434	47
12	15	94	680	139	483	1,700	180	55	132	127	249	36
13	15	94	915	139	403	1,310	128	55	165	127	178	32
14	17	94	757	156	712	590	130	55	139	127	108	32
15	19	94	521	151	426	408	130	55	84	102	92	32
16	20	155	615	77	259	362	131	64	69	93	92	32
17	20	194	443	69	234	256	130	137	69	143	93	33
18	20	194	365	95	201	207	96	190	69	204	94	33
19	20	192	313	104	178	233	76	150	100	216	198	27
20	21	191	292	105	149	255	77	107	133	148	175	24
21	21	150	247	104	131	211	78	64	597	111	123	23
22	21	133	162	81	132	167	143	52	683	86	122	23
23	31	133	157	70	131	152	163	52	391	79	122	24
24	34	105	222	69	118	152	162	52	258	79	123	26
25	34	94	670	44	102	152	104	162	203	108	122	26
26	131	122	692	53	102	151	84	55	699	107	107	27
27	202	133	494	54	124	132	45	215	727	93	69	44
28	225	133	634	49	367	126	22	171	383	92	61	110
29	251	113	709	49	---	127	22	169	285	66	138	126
30	190	100	596	72	---	210	22	216	270	547	213	96
31	166	---	436	81	---	186	---	183	---	1,080	143	---
Total	1,769	4,739	13,198	4,226	5,174	10,655	4,489	2,577	6,593	6,238	6,279	1,475
Mean	57.1	158	426	136	185	344	150	83.1	220	201	203	49.2
Max	251	249	915	327	712	1,700	311	216	727	1,080	851	126
Min	14	94	157	44	49	14	22	23	59	66	61	23

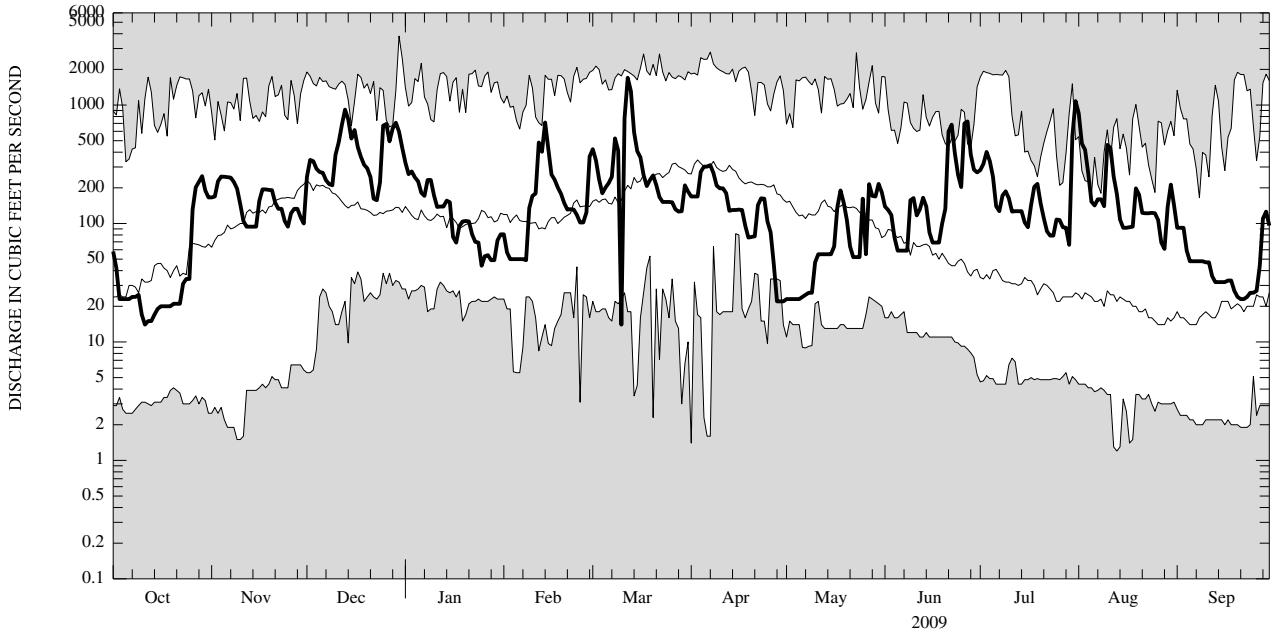
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	104	188	239	202	208	342	389	180	107	72.1	45.5	64.0
Max	618	411	531	517	604	690	1,117	483	370	688	203	408
(WY)	(1978)	(1997)	(1997)	(1996)	(1981)	(1977)	(1993)	(1983)	(1968)	(2006)	(2009)	(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)

01500000 OULEOUT CREEK AT EAST SIDNEY, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1950 - 2009	
Annual total	79,029		67,412			
Annual mean	216		185		178	
Highest annual mean					285	2006
Lowest annual mean					77.9	1965
Highest daily mean	1,990	Mar 11	1,700	Mar 12	2,800	Apr 7, 1960
Lowest daily mean	14	Jul 6	14	Oct 11	1.4	Apr 1, 1989
Annual seven-day minimum	14	Sep 1	17	Oct 10	1.8	Nov 5, 1973
10 percent exceeds	619		405		417	
50 percent exceeds	94		133		91	
90 percent exceeds	17		26		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.