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 Reservoir 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 Reservoir 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, 2,110 ft^3/s, Nov. 19, gage height, 4.80 ft; minimum discharge, 12 ft^3/s, Jan. 15, gage height, 1.08 ft.

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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	342	397	267	171	100	43	1,830	259	35	26	36	19
2	435	362	326	212	77	66	1,860	236	37	21	24	e18
3	358	363	385	234	68	198	1,790	230	37	17	25	e16
4	269	293	376	204	68	232	1,410	185	131	17	45	e15
5	236	201	367	189	54	142	658	170	146	16	53	e15
6	223	168	320	427	30	111	372	128	91	16	41	e15
7	166	190	280	365	49	99	306	102	45	16	27	e15
8	134	225	267	602	57	76	235	103	37	17	24	e22
9	135	287	200	572	57	100	212	104	37	23	24	e30
10	134	339	166	417	57	140	212	105	37	25	167	e30
11	135	316	166	370	50	141	212	567	37	47	170	e30
12	108	267	165	303	44	153	242	530	27	32	65	e50
13	100	248	145	353	44	192	391	330	24	24	35	e60
14	100	248	137	386	55	568	332	226	24	24	35	e60
15	77	211	137	256	44	230	511	198	24	24	27	e40
16	67	169	120	563	44	16	944	199	25	24	25	e40
17	96	16	108	1,060	44	987	982	206	25	23	62	e45
18	94	381	108	781	44	1,940	1,000	187	25	24	74	e45
19	78	1,450	108	452	44	1,790	1,030	148	26	24	74	e45
20	374	1,740	88	441	43	1,340	352	137	26	58	46	e45
21	620	1,180	81	294	42	522	471	137	18	69	64	e37
22	412	499	81	241	43	324	1,200	137	13	69	51	e30
23	369	367	150	248	43	380	1,520	137	13	44	38	e30
24	278	366	187	218	43	409	819	105	13	35	41	e30
25	249	272	137	158	43	257	423	50	13	35	42	e30
26	235	222	178	92	43	105	424	35	14	35	35	e30
27	182	240	241	73	42	15	444	67	14	36	30	e30
28	825	268	240	119	43	15	372	83	13	80	32	e30
29	1,270	275	220	159	---	186	326	82	13	82	33	e30
30	748	271	189	119	---	1,310	292	81	21	69	34	e30
31	504	---	159	100	---	1,910	---	54	---	69	21	---
Total	9,353	11,831	6,099	10,179	1,415	13,997	21,172	5,318	1,041	1,121	1,500	962
Mean	302	394	197	328	50.5	452	706	172	34.7	36.2	48.4	32.1
Max	1,270	1,740	385	1,060	100	1,940	1,860	567	146	82	170	60
Min	67	16	81	73	30	15	212	35	13	16	21	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	104	187	233	202	203	337	396	184	107	68.7	43.0	65.1
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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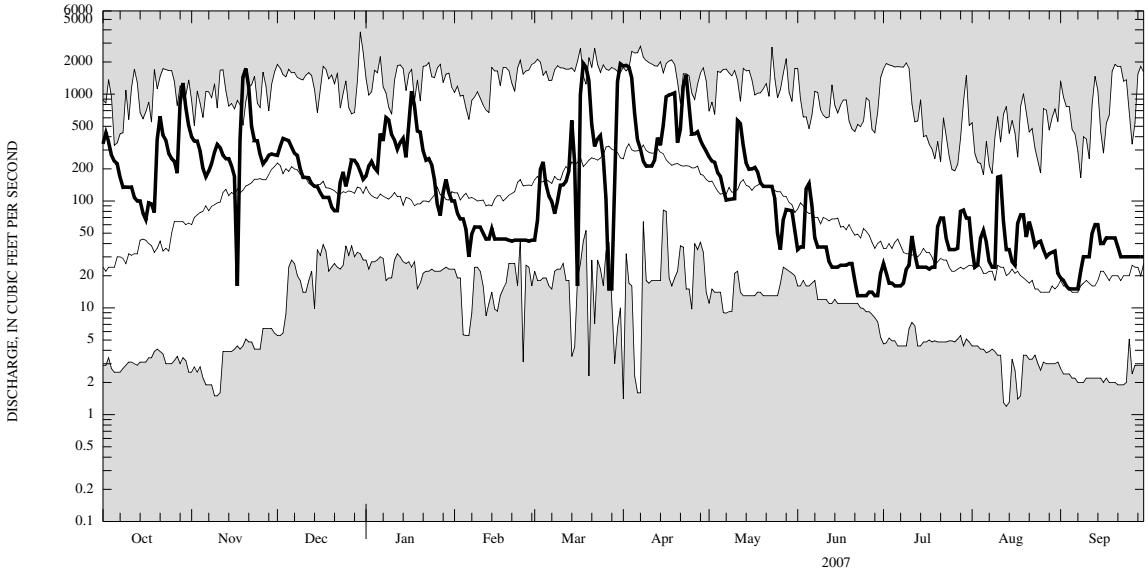
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1950 - 2007	
Annual total	105,528		83,988			
Annual mean	289		230		177	
Highest annual mean					285	2006
Lowest annual mean					77.9	1965
Highest daily mean	1,930	Jul 2	1,940	Mar 18	2,800	Apr 7, 1960
Lowest daily mean	13	Aug 14	13	Jun 22	1.4	Apr 1, 1989
Annual seven-day minimum	14	Aug 13	13	Jun 22	1.8	Nov 5, 1973
10 percent exceeds	598		501		415	
50 percent exceeds	178		108		90	
90 percent exceeds	58		24		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.