

OSWAYO CREEK BASIN

03010655 OSWAYO CREEK AT SHINGLEHOUSE, PA

LOCATION.--Lat 41°57'42", long 78°11'54", Potter County, Hydrologic Unit 05010001, on right bank 200 ft upstream from bridge on State Highway 44 at Shinglehouse and 0.7 mi upstream from Honeoye Creek.

DRAINAGE AREA.--98.7 mi².

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,460.34 ft above sea level (U.S. Army Corps of Engineers benchmark).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Landline and U.S. Army Corps of Engineers satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	2200	*4,130	*12.11	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	8.2	11	e36	201	93	e390	129	20	21	13	4.5
2	7.8	8.2	11	e34	221	83	e450	116	21	49	12	4.2
3	7.5	8.2	10	e35	251	104	e550	104	21	30	10	4.0
4	7.8	8.2	10	e33	248	243	e450	96	19	24	9.7	3.8
5	7.9	7.9	11	e32	245	237	e350	89	17	20	10	3.7
6	7.5	7.6	11	e30	231	219	e320	80	16	19	9.8	3.6
7	7.3	7.9	11	e30	216	197	e265	74	18	41	9.4	4.9
8	55	8.0	11	e30	195	185	e295	86	18	24	9.2	6.0
9	42	8.0	11	e31	177	206	e340	99	16	22	8.7	5.4
10	41	8.1	10	e32	172	147	e370	80	15	33	8.0	4.6
11	25	10	10	e32	157	133	e370	74	14	23	7.7	4.4
12	19	10	9.9	e33	205	121	e350	69	13	19	7.3	4.1
13	16	9.3	9.4	e38	253	111	e310	66	12	17	7.1	3.8
14	15	8.7	9.6	e45	255	104	294	61	14	15	7.0	4.2
15	14	8.6	8.9	e51	240	99	254	56	19	14	6.7	4.2
16	13	8.5	9.6	e52	223	98	240	50	13	13	6.1	7.1
17	11	10	9.9	e52	214	121	241	46	12	13	6.0	22
18	11	10	10	e52	206	260	214	43	13	12	5.8	10
19	11	10	10	e88	194	280	199	41	12	12	5.5	6.9
20	11	10	11	e110	182	271	198	38	12	12	6.8	6.5
21	11	11	13	e100	164	271	183	34	11	11	7.4	6.6
22	12	11	150	e95	141	274	173	31	11	13	6.8	8.7
23	11	10	e98	e300	154	242	207	31	10	12	6.2	9.5
24	10	10	e78	e2500	129	234	226	43	9.6	11	5.5	8.9
25	10	10	e70	1590	105	236	222	51	9.5	10	5.3	8.9
26	9.5	10	e62	722	97	229	229	38	9.6	12	5.6	8.9
27	9.0	11	e52	475	89	234	214	34	12	11	5.9	9.4
28	8.8	11	e45	407	94	249	189	28	41	10	5.9	11
29	9.2	11	e40	337	---	286	164	26	43	10	5.4	16
30	9.0	10	e38	279	---	329	144	23	33	10	5.0	77
31	8.4	---	e37	232	---	367	---	21	---	11	4.8	---
TOTAL	445.5	280.4	888.3	7913	5259	6263	8401	1857	504.7	554	229.6	282.8
MEAN	14.4	9.35	28.7	255	188	202	280	59.9	16.8	17.9	7.41	9.43
MAX	55	11	150	2500	255	367	550	129	43	49	13	77
MIN	7.3	7.6	8.9	30	89	83	144	21	9.5	10	4.8	3.6
CFSM	.15	.09	.29	2.59	1.90	2.05	2.84	.61	.17	.18	.08	.10
IN.	.17	.11	.33	2.98	1.98	2.36	3.17	.70	.19	.21	.09	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1999, BY WATER YEAR (WY)

MEAN	99.0	164	185	172	202	287	310	174	122	69.7	55.2	66.0
MAX	331	371	318	388	561	517	755	489	612	238	396	452
(WY)	1991	1997	1978	1979	1976	1979	1993	1996	1989	1977	1994	1977
MIN	8.35	9.35	28.7	28.5	41.2	120	131	50.8	6.28	7.69	7.12	6.08
(WY)	1992	1999	1999	1981	1987	1981	1976	1993	1993	1993	1991	1991

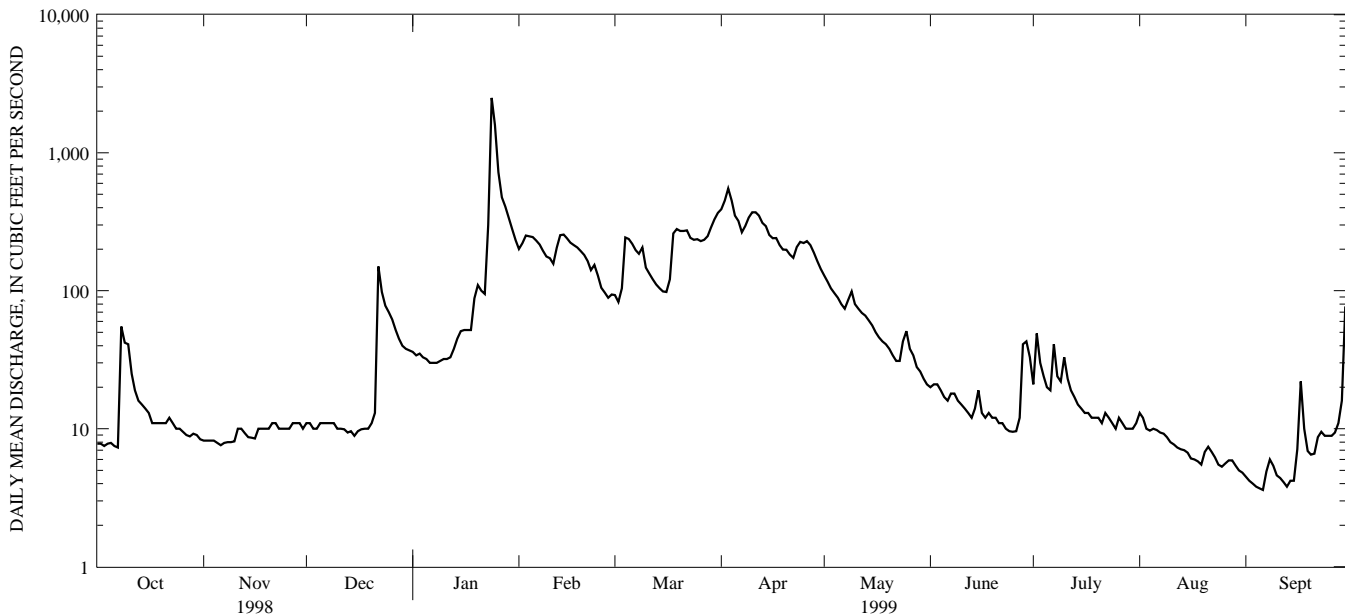
e Estimated.

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03010655 OSWAYO CREEK AT SHINGLEHOUSE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1975 - 1999	
ANNUAL TOTAL	40910.4		32878.3			
ANNUAL MEAN	112		90.1		158	
HIGHEST ANNUAL MEAN					222	1994
LOWEST ANNUAL MEAN					90.1	1999
HIGHEST DAILY MEAN	e2040	Jan 9	e2500	Jan 24	3270	Jun 21 1989
LOWEST DAILY MEAN	7.3	Sep 30	3.6	Sep 6	3.2	Sep 13 1989
ANNUAL SEVEN-DAY MINIMUM	7.7	Sep 30	4.1	Aug 31	4.1	Aug 31 1999
INSTANTANEOUS PEAK FLOW			a4130	Jan 24	a4660	Jan 19 1996
INSTANTANEOUS PEAK STAGE			12.11	Jan 24	b12.74	Jan 19 1996
INSTANTANEOUS LOW FLOW			3.5	Sep 6	3.5	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.14		.91		1.60	
ANNUAL RUNOFF (INCHES)	15.42		12.39		21.80	
10 PERCENT EXCEEDS	236		246		363	
50 PERCENT EXCEEDS	45		20		88	
90 PERCENT EXCEEDS	8.6		7.1		15	

- a From rating curve extended above 2,600 ft³/s.
- b From peak-stage indicator.
- e Estimated.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999