

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 mi<sup>2</sup>.

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. 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 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Feb. 28	0500	*1,500	*8.51	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	8.8	115	e47	e54	614	95	127	81	49	40	9.2
2	18	9.8	97	e50	e51	486	91	133	73	44	20	12
3	13	36	86	e68	e50	366	116	110	67	41	18	14
4	13	28	88	310	e48	301	789	98	55	43	17	12
5	12	20	79	400	e46	258	893	92	52	37	15	12
6	11	18	89	388	e44	221	635	85	65	32	17	11
7	11	18	80	330	e42	194	454	79	50	30	47	10
8	11	15	74	268	e42	177	614	75	42	27	28	10
9	11	14	71	225	e46	164	752	70	38	26	21	10
10	11	15	78	e180	e52	154	640	79	35	32	20	10
11	11	18	80	e145	e59	142	476	70	34	26	19	11
12	10	17	70	e120	e60	166	373	63	67	23	21	16
13	15	15	69	e96	e60	144	287	67	68	22	21	30
14	66	14	133	e80	e60	140	239	67	161	21	18	16
15	26	15	274	e72	e61	137	207	53	170	24	16	26
16	18	14	308	e68	e61	141	185	48	271	34	16	29
17	15	13	290	e66	e61	186	165	45	268	33	15	20
18	13	12	253	e64	e61	168	157	50	247	25	13	16
19	12	12	212	e62	e66	179	139	164	226	22	13	15
20	12	12	196	e60	e74	181	130	159	191	21	12	13
21	13	13	182	e57	e74	185	161	177	205	20	11	18
22	11	12	151	e56	e80	190	198	172	202	23	11	16
23	11	12	136	e54	e110	179	245	161	161	19	13	14
24	13	12	e120	e52	267	178	277	175	139	18	16	15
25	12	11	e105	e52	710	177	266	181	120	17	12	14
26	12	241	e92	e52	1280	168	238	165	104	16	11	14
27	11	337	e80	e49	1180	155	212	157	93	15	11	15
28	10	248	e72	e48	1230	147	187	145	76	14	10	14
29	9.9	191	e64	e48	859	137	163	129	66	14	10	13
30	10	146	e56	e52	---	122	143	109	56	15	9.8	13
31	9.4	---	e50	e54	---	107	---	93	---	17	9.5	---
TOTAL	462.3	1547.6	3850	3673	6888	6264	9527	3398	3483	800	531.3	448.2
MEAN	14.9	51.6	124	118	238	202	318	110	116	25.8	17.1	14.9
MAX	66	337	308	400	1280	614	893	181	271	49	47	30
MIN	9.4	8.8	50	47	42	107	91	45	34	14	9.5	9.2
CFSM	.15	.52	1.26	1.20	2.41	2.05	3.22	1.11	1.18	.26	.17	.15
IN.	.17	.58	1.45	1.38	2.60	2.36	3.59	1.28	1.31	.30	.20	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	95.8	160	183	170	203	284	310	172	122	68.0	53.8	64.0
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

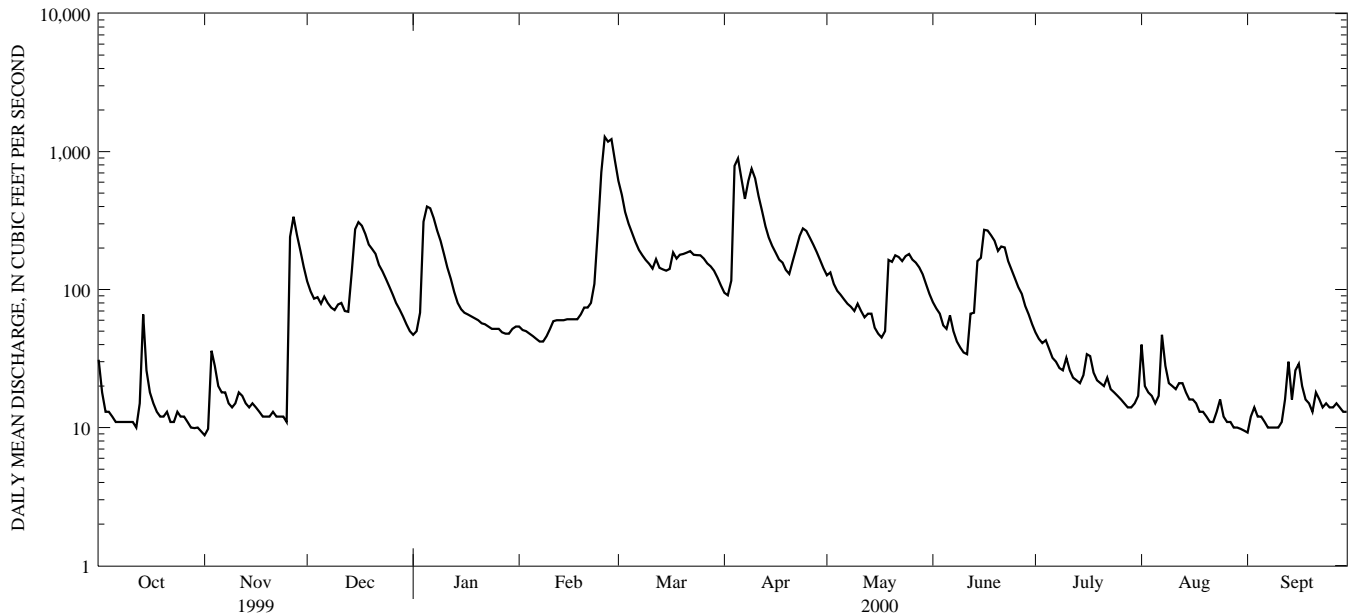
e Estimated.

OSWAYO CREEK BASIN

03010655 OSWAYO CREEK AT SHINGLEHOUSE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	37124.0		40872.4			
ANNUAL MEAN	102		112		157	
HIGHEST ANNUAL MEAN					222	1994
LOWEST ANNUAL MEAN					90.1	1999
HIGHEST DAILY MEAN	e2500	Jan 24	1280	Feb 26	3270	Jun 21 1989
LOWEST DAILY MEAN	3.6	Sep 6	8.8	Nov 1	3.2	Sep 13 1989
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 31	9.8	Oct 27	4.1	Aug 31 1999
INSTANTANEOUS PEAK FLOW			1500	Feb 28	a4660	Jan 19 1996
INSTANTANEOUS PEAK STAGE			8.51	Feb 28	b12.74	Jan 19 1996
INSTANTANEOUS LOW FLOW			8.0	Nov 1	3.5	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.03		1.13		1.59	
ANNUAL RUNOFF (INCHES)	13.99		15.40		21.55	
10 PERCENT EXCEEDS	253		247		356	
50 PERCENT EXCEEDS	33		56		87	
90 PERCENT EXCEEDS	7.1		12		14	

- a From rating curve extended above 2,600 ft<sup>3</sup>/s.
- b From peak-stage indicator.
- e Estimated.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000