

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. 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)
Apr. 10	0300	*1,310	*8.41	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	16	70	e84	e19	72	257	124	43	78	14	63
2	11	16	59	e72	e18	71	253	112	45	62	13	34
3	11	16	51	e62	e18	66	230	100	47	45	12	27
4	15	16	50	e54	e17	62	223	89	43	42	12	33
5	28	15	53	e46	e17	67	245	81	38	42	11	30
6	122	15	49	e40	e16	74	375	72	35	38	10	23
7	68	14	47	e34	e15	58	852	64	33	32	9.2	21
8	56	14	46	e30	e15	50	1210	60	31	30	9.2	19
9	46	15	41	e26	e15	49	1210	60	29	29	8.6	17
10	40	18	38	e22	e53	45	1160	56	27	26	9.7	17
11	35	20	40	e21	e220	44	799	52	29	26	9.1	16
12	31	18	70	e21	e210	41	564	65	27	24	8.0	14
13	28	16	53	e20	e180	84	422	54	27	22	7.7	14
14	26	17	60	e20	e200	124	328	48	24	21	7.8	23
15	24	17	56	e19	291	110	269	45	22	20	7.2	18
16	23	17	58	e19	263	108	295	41	21	19	7.5	15
17	23	17	358	e19	259	106	285	39	27	19	8.8	14
18	32	17	365	e18	224	104	274	40	22	19	7.7	13
19	28	17	276	e18	195	104	259	38	21	17	15	13
20	24	17	228	e17	181	124	247	35	21	17	39	12
21	22	17	185	e17	167	163	305	33	23	16	18	12
22	21	17	159	e16	152	236	390	38	40	14	14	13
23	20	15	220	e16	150	233	409	59	65	14	16	13
24	20	16	e200	e16	109	241	374	42	86	13	21	15
25	20	16	e170	e16	108	210	305	39	80	13	15	76
26	19	44	e200	e16	105	184	251	53	69	38	14	48
27	19	73	e180	e14	89	159	216	48	59	23	29	38
28	18	75	e160	e15	80	142	184	52	51	18	42	36
29	17	77	e135	e15	---	136	157	51	44	16	42	33
30	17	79	e115	e14	---	251	139	48	39	15	25	29
31	17	---	e100	e21	---	255	---	45	---	15	28	---
TOTAL	892	757	3892	838	3386	3773	12487	1783	1168	823	490.5	749
MEAN	28.8	25.2	126	27.0	121	122	416	57.5	38.9	26.5	15.8	25.0
MAX	122	79	365	84	291	255	1210	124	86	78	42	76
MIN	11	14	38	14	15	41	139	33	21	13	7.2	12
CFSM	.29	.26	1.27	.27	1.23	1.23	4.22	.58	.39	.27	.16	.25
IN.	.34	.29	1.47	.32	1.28	1.42	4.71	.67	.44	.31	.18	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

MEAN	93.3	155	181	164	200	278	314	168	119	66.5	52.4	62.6
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	27.0	41.2	120	131	50.8	6.28	7.69	7.12	6.08
(WY)	1992	1999	1999	2001	1987	1981	1976	1993	1993	1993	1991	1991

e Estimated.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1975 - 2001	
ANNUAL TOTAL	40553.5		31038.5			
ANNUAL MEAN	111		85.0		154	
HIGHEST ANNUAL MEAN					222	1994
LOWEST ANNUAL MEAN					85.0	2001
HIGHEST DAILY MEAN	1280	Feb 26	1210	Apr 8,9	3270	Jun 21 1989
LOWEST DAILY MEAN	9.2	Sep 1	7.2	Aug 15	3.2	Sep 13 1989
ANNUAL SEVEN-DAY MINIMUM	10	Aug 26	7.8	Aug 12	4.1	Aug 31 1999
MAXIMUM PEAK FLOW			1310	Apr 10	a 4660	Jan 19 1996
MAXIMUM PEAK STAGE			8.41	Apr 10	b 12.74	Jan 19 1996
INSTANTANEOUS LOW FLOW			6.4	Aug 16	3.5	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.12		.86		1.56	
ANNUAL RUNOFF (INCHES)	15.28		11.70		21.19	
10 PERCENT EXCEEDS	238		229		351	
50 PERCENT EXCEEDS	53		38		84	
90 PERCENT EXCEEDS	14		14		14	

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

