

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 National Geodetic Vertical Datum of 1929 (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)
May 14	2000	1,020	7.76	June 6	2300	*1,830	*9.36

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	57	236	e87	605	119	439	331	131	59	36	11
2	25	54	232	e80	601	110	355	343	114	53	32	11
3	23	63	218	e77	508	163	350	275	98	48	29	11
4	21	53	193	e68	403	163	272	242	89	43	25	11
5	20	51	169	e64	299	175	245	220	391	39	e146	10
6	20	48	147	e56	243	181	232	198	1450	36	e142	9.3
7	20	46	130	e51	206	175	207	182	1530	33	92	8.7
8	20	44	114	e46	179	161	190	160	822	31	70	8.2
9	18	48	107	e42	154	147	185	172	481	33	55	7.8
10	17	44	94	e40	153	168	178	166	326	43	45	7.5
11	16	43	83	e36	246	149	156	144	240	31	38	7.3
12	16	39	74	e33	207	150	150	249	191	28	34	7.1
13	16	37	74	e33	209	150	173	508	157	26	30	7.1
14	16	36	95	e30	191	145	257	930	340	24	27	7.1
15	31	35	153	e27	185	138	700	878	428	23	26	11
16	27	34	143	e27	179	149	697	623	590	22	25	16
17	61	33	200	e24	165	129	520	506	534	21	25	11
18	65	31	418	e22	144	130	389	579	409	20	22	8.6
19	57	31	462	e20	130	127	302	532	298	20	22	8.0
20	53	38	421	e20	127	144	256	501	226	21	25	8.2
21	48	35	336	e25	148	158	213	411	180	19	20	8.1
22	50	33	264	e32	147	161	191	321	148	17	18	8.9
23	48	32	228	41	137	171	165	255	126	20	19	7.5
24	114	30	219	79	137	173	142	215	105	24	19	7.1
25	104	90	181	147	137	170	133	182	91	18	18	6.7
26	94	137	156	174	143	222	122	184	82	18	16	6.6
27	97	145	140	184	144	365	107	143	96	17	15	23
28	86	144	128	185	131	371	190	123	126	159	15	48
29	74	161	115	191	---	381	319	126	79	100	14	19
30	67	187	e102	319	---	465	366	173	66	58	13	15
31	61	---	e94	404	---	477	---	145	---	44	12	---
TOTAL	1411	1859	5726	2664	6258	6087	8201	10017	9944	1148	1125	336.8
MEAN	45.5	62.0	185	85.9	224	196	273	323	331	37.0	36.3	11.2
MAX	114	187	462	404	605	477	700	930	1530	159	146	48
MIN	16	30	74	20	127	110	107	123	66	17	12	6.6
CFSM	0.46	0.63	1.87	0.87	2.26	1.99	2.77	3.27	3.36	0.38	0.37	0.11
IN.	0.53	0.70	2.16	1.00	2.36	2.29	3.09	3.78	3.75	0.43	0.42	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	91.6	151	181	162	201	275	312	173	126	65.4	51.8	60.7
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	34493.5		54776.8			
ANNUAL MEAN	94.5		150		154	
HIGHEST ANNUAL MEAN					222	1994
LOWEST ANNUAL MEAN					85.0	2001
HIGHEST DAILY MEAN	1210	Apr 8,9	1530	Jun 7	3270	Jun 21 1989
LOWEST DAILY MEAN	7.2	Aug 15	6.6	Sep 26	3.2	Sep 13 1989
ANNUAL SEVEN-DAY MINIMUM	7.8	Aug 12	7.4	Sep 8	4.1	Aug 31 1999
MAXIMUM PEAK FLOW			1830	Jun 6	a 4660	Jan 19 1996
MAXIMUM PEAK STAGE			9.36	Jun 6	b 12.74	Jan 19 1996
INSTANTANEOUS LOW FLOW			6.4	Sep 25-27	3.5	Sep 6 1999
ANNUAL RUNOFF (CFSM)	0.96		1.52		1.56	
ANNUAL RUNOFF (INCHES)	13.00		20.65		21.17	
10 PERCENT EXCEEDS	236		365		351	
50 PERCENT EXCEEDS	44		105		85	
90 PERCENT EXCEEDS	15		16		14	

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

