



2004 Water Year OSWAYO CREEK BASIN

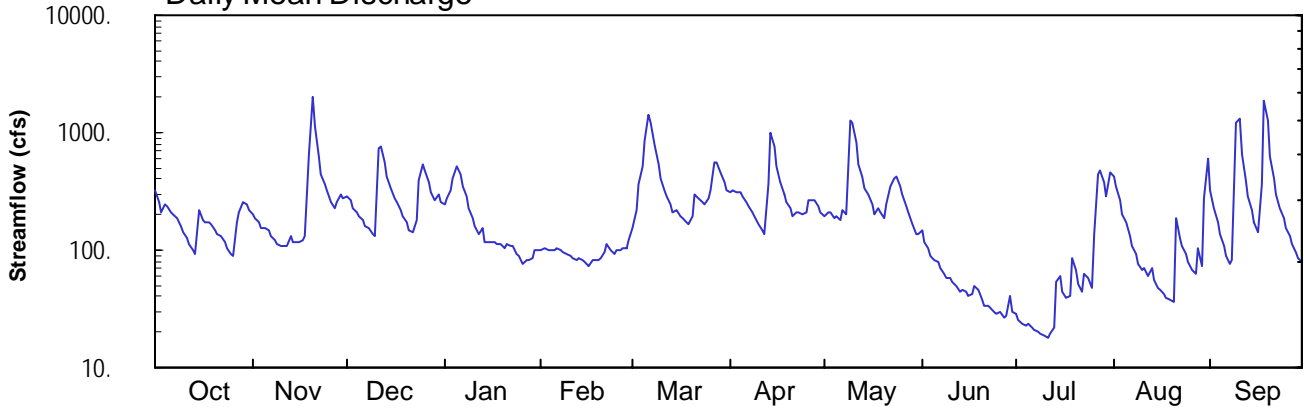
03010655 Oswayo Creek at Shinglehouse, PA

Latitude: 41° 57' 42"
Potter County

Longitude: 078° 11' 54"
Datum: 1460.34 feet

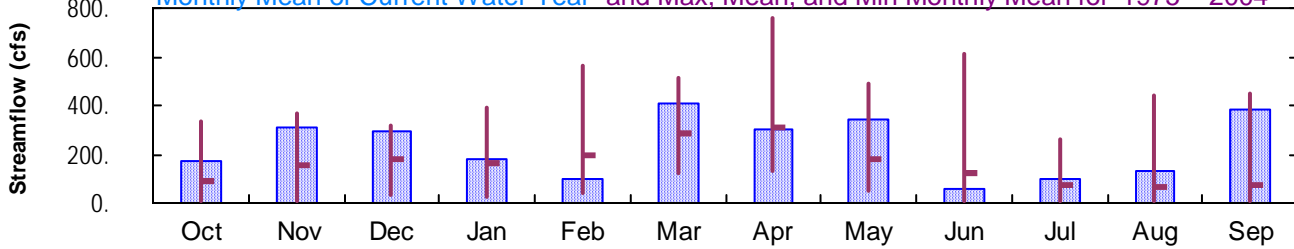
Hydrologic Unit Code: 05010001
Drainage Area: 98.7 mi²

Daily Mean Discharge

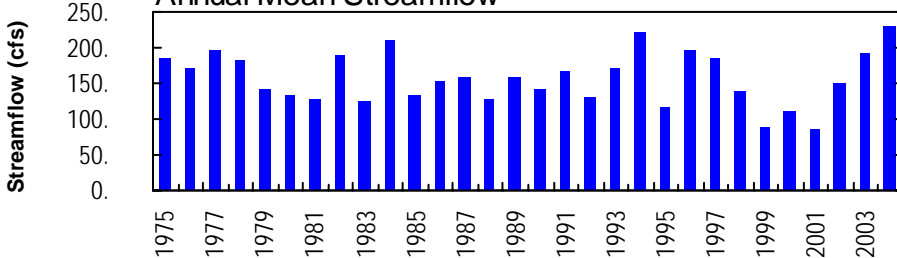


Monthly Statistics

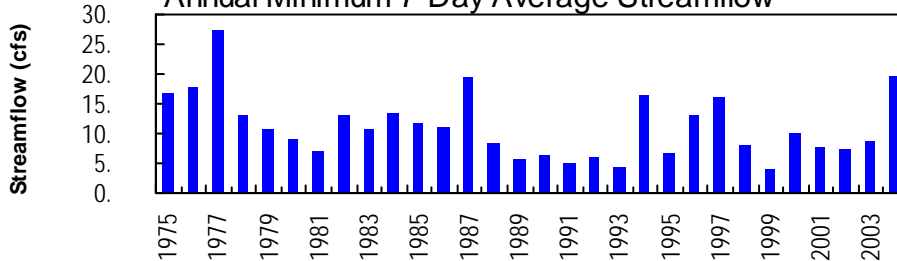
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



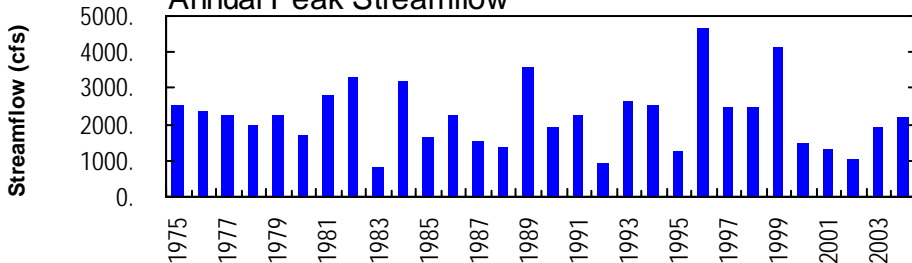
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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)
Nov. 20	0800	*2,220	*10.17	Aug. 31	0100	1,270	8.48
Mar. 6	1800	1,520	9.04	Sept. 9	2200	1,720	9.41
Apr. 14	0400	1,070	7.99	Sept. 18	1530	2,110	10.01
May 9	1600	1,570	9.14				

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	199	284	244	e99	e156	310	193	145	29	421	323
2	259	185	267	273	e104	e222	322	212	115	25	343	226
3	212	170	231	319	e102	e369	313	212	106	24	261	171
4	246	152	207	402	e99	524	311	188	89	23	206	134
5	235	151	192	522	e99	840	286	195	82	23	172	108
6	213	148	179	e438	e102	1420	254	176	78	21	132	87
7	202	131	162	e350	e99	1200	232	220	70	21	110	75
8	183	123	155	e291	e97	807	210	200	63	21	91	81
9	162	114	135	e228	e93	533	191	1240	58	20	76	1210
10	142	108	133	e186	e89	405	167	1230	57	19	69	1300
11	124	108	734	e157	e84	328	149	827	54	18	71	648
12	110	107	762	e136	e84	286	138	534	49	19	59	399
13	99	131	551	e153	e84	241	359	425	45	22	69	285
14	92	115	419	e119	e81	212	997	339	45	53	56	217
15	216	116	339	e119	e79	218	756	302	44	60	49	173
16	178	119	274	e119	e73	193	510	250	41	44	45	144
17	175	124	254	e115	e81	188	381	202	43	39	42	356
18	171	132	219	e111	e83	176	304	225	50	40	39	1890
19	166	644	191	e111	e83	165	252	211	46	86	37	1250
20	147	1990	170	e102	e84	191	226	189	37	69	36	620
21	136	1130	150	e111	e97	303	191	241	34	52	184	414
22	130	632	140	e106	e114	275	207	345	33	45	126	300
23	118	441	179	e106	e100	256	211	414	32	63	107	230
24	104	363	387	e94	e94	247	201	422	29	57	91	183
25	92	320	535	e90	e100	280	213	350	29	47	79	152
26	88	256	480	e77	e100	326	266	296	29	135	67	129
27	176	226	380	e81	e102	564	265	240	26	434	62	111
28	210	255	305	e81	e104	559	264	213	27	485	106	96
29	251	293	260	e86	e120	463	240	167	41	370	73	86
30	243	278	302	e98	---	375	213	139	30	286	272	78
31	219	---	253	e99	---	327	---	139	---	456	614	---
TOTAL	5416	9261	9229	5524	2730	12649	8939	10536	1627	3106	4165	11476
MEAN	175	309	298	178	94.1	408	298	340	54.2	100	134	383
MAX	317	1990	762	522	120	1420	997	1240	145	485	614	1890
MIN	88	107	133	77	73	156	138	139	26	18	36	75
CFSM	1.77	3.13	3.02	1.81	0.95	4.13	3.02	3.44	0.55	1.02	1.36	3.88
IN.	2.04	3.49	3.48	2.08	1.03	4.77	3.37	3.97	0.61	1.17	1.57	4.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	91.8	153	182	160	194	286	310	176	125	73.2	67.4	77.3
MAX	331	371	318	388	561	517	755	489	612	264	437	452
(WY)	1991	1997	1978	1979	1976	1979	1993	1996	1989	2003	2003	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.

OSWAYO CREEK BASIN

03010655 OSWAYO CREEK AT SHINGLEHOUSE, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	87905		84658			
ANNUAL MEAN	241		231		158	
HIGHEST ANNUAL MEAN					231	
LOWEST ANNUAL MEAN					85.0	
HIGHEST DAILY MEAN	1990	Nov 20	1990	Nov 20	3270	Jun 21 1989
LOWEST DAILY MEAN	25	Jul 15	18	Jul 11	3.2	Sep 13 1989
ANNUAL SEVEN-DAY MINIMUM	33	Jul 11	20	Jul 6	4.1	Aug 31 1999
MAXIMUM PEAK FLOW			2220	Nov 20	a 4660	Jan 19 1996
MAXIMUM PEAK STAGE			10.17	Nov 20	b 12.74	Jan 19 1996
INSTANTANEOUS LOW FLOW			17	Jul 11	3.2	Sep 13 1989
ANNUAL RUNOFF (CFSM)	2.44		2.34		1.60	
ANNUAL RUNOFF (INCHES)	33.13		31.91		21.70	
10 PERCENT EXCEEDS	591		439		358	
50 PERCENT EXCEEDS	136		167		88	
90 PERCENT EXCEEDS	58		45		15	

a From rating curve extended above 2,600 ft³/s.

b From peak-stage indicator.