



2004 Water Year FRENCH CREEK BASIN

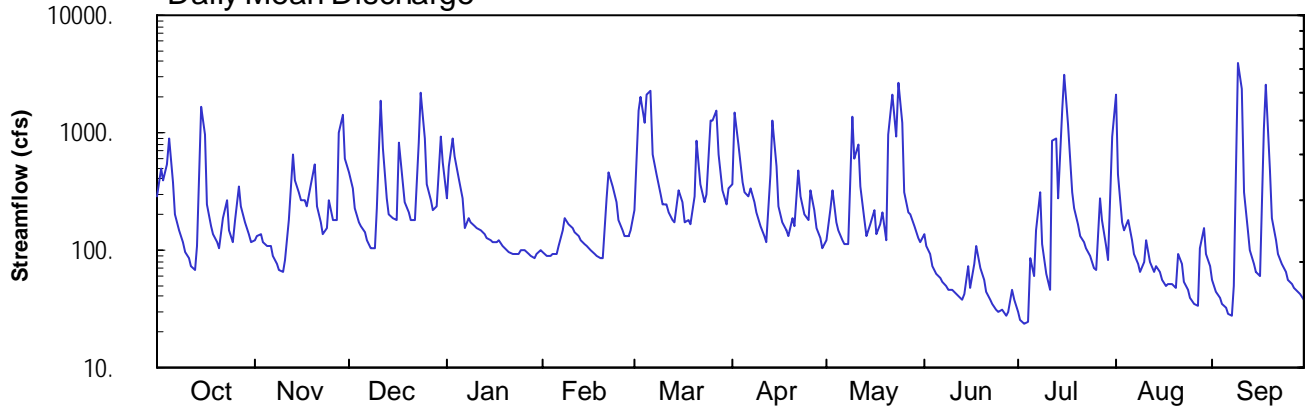
03021350 French Creek near Wattsburg, PA

Latitude: 42°00'55"
Erie County

Longitude: 079°46'58"
Datum: 1304.84 feet

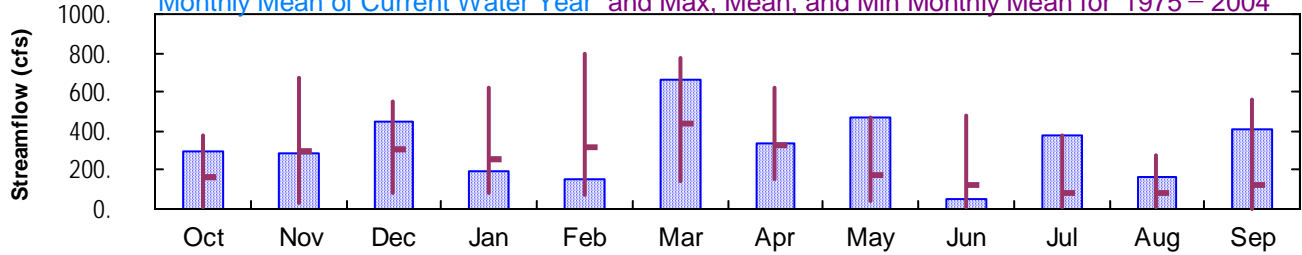
Hydrologic Unit Code: 05010004
Drainage Area: 92. mi²

Daily Mean Discharge

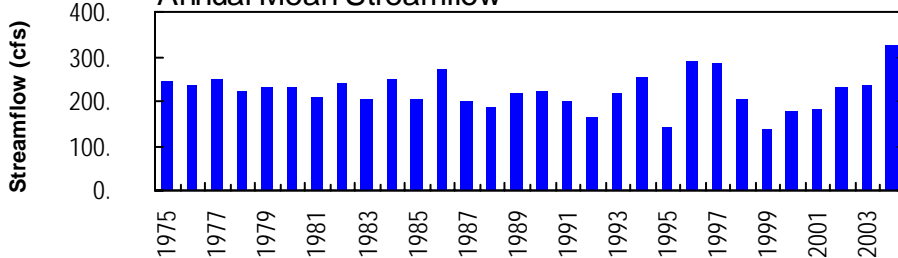


Monthly Statistics

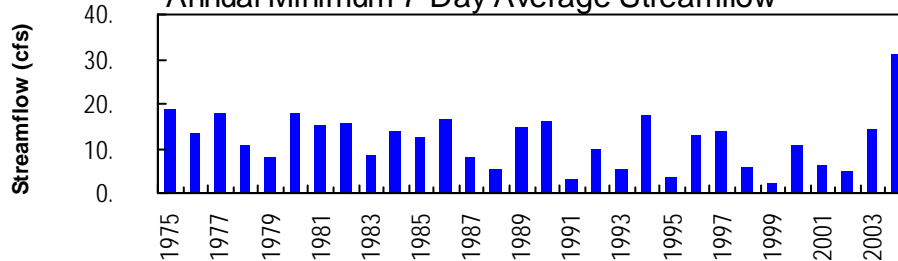
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



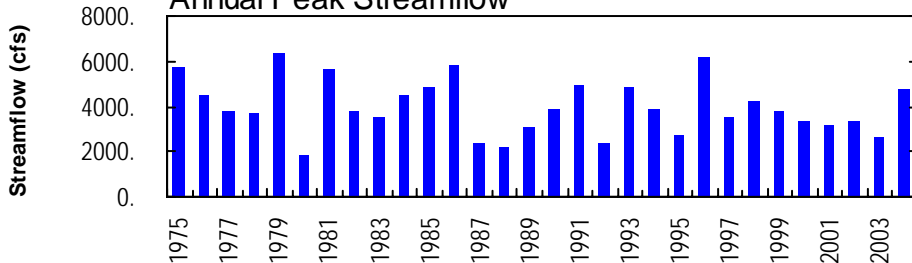
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

FRENCH CREEK BASIN

03021350 FRENCH CREEK NEAR WATTSBURG, PA

LOCATION.--Lat 42°00'55", long 79°46'58", Erie County, Hydrologic Unit 05010004, on right bank at downstream side of bridge on Tanner Road, 1,200 ft east of State Highway 74, 1.1 mi west of Pennsylvania-New York border, 1.5 mi northeast of Wattsburg, and 2.4 mi above confluence with West Branch French Creek.

DRAINAGE AREA.--92.0 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1,304.84 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 2,500 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 6	0400	2,970	8.39	July 31	2200	2,590	7.99
May 22	1230	2,570	7.97	Sept. 9	2100	*4,790	*a10.31
May 24	1300	2,990	8.42	Sept. 18	0700	2,940	8.36
July 16	0700	3,380	8.83				

a From peak-stage indicator.

**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	290	123	455	281	e96	e220	367	123	139	30	2120	55
2	498	131	341	510	e89	1530	1470	216	106	25	434	45
3	392	139	224	886	e88	1980	801	318	92	24	172	39
4	526	117	173	635	e94	1210	376	171	73	25	148	35
5	877	107	159	402	e94	2070	309	151	63	86	181	32
6	375	110	144	278	e107	2310	288	122	58	61	120	29
7	203	90	124	155	e149	646	331	113	54	146	93	27
8	147	77	105	e185	e188	447	259	114	49	315	77	49
9	117	68	102	e174	e168	301	211	1360	45	113	65	3900
10	98	64	226	e162	e156	246	162	606	47	63	78	2390
11	87	81	1850	e151	e141	244	129	779	44	45	119	311
12	73	178	732	e146	e131	206	115	354	41	857	79	150
13	67	660	278	e136	e122	179	447	186	37	903	66	100
14	110	387	204	e127	e113	173	1240	132	43	278	74	77
15	1670	305	185	e119	e108	323	510	168	72	1610	64	66
16	974	267	182	e116	e101	253	235	219	48	3140	56	61
17	246	268	815	e116	e94	175	175	135	77	1170	49	1070
18	162	239	381	e119	e88	179	149	168	108	314	51	2570
19	135	365	251	e108	e87	166	132	212	70	224	51	471
20	115	528	209	e102	e85	286	186	121	56	165	48	185
21	105	238	182	e96	e276	855	160	969	44	129	91	120
22	190	172	178	e94	e461	369	479	2070	38	115	76	93
23	264	139	818	e94	e343	259	284	941	35	102	54	75
24	147	154	2180	e94	e250	304	204	2600	31	89	45	65
25	115	262	893	e101	e183	1290	182	1200	30	71	39	57
26	181	179	364	e100	e148	1270	322	314	31	68	35	52
27	352	181	260	e94	e134	1530	220	209	28	277	33	48
28	238	1000	217	e88	e132	650	155	198	30	180	106	44
29	170	1430	237	e85	e146	318	126	157	45	109	157	42
30	136	595	918	e94	---	243	103	126	38	83	94	38
31	116	---	555	e101	---	337	---	117	---	941	72	---
TOTAL	9176	8654	13942	5949	4372	20569	10127	14669	1672	11758	4947	12296
MEAN	296	288	450	192	151	664	338	473	55.7	379	160	410
MAX	1670	1430	2180	886	461	2310	1470	2600	139	3140	2120	3900
MIN	67	64	102	85	85	166	103	113	28	24	33	27
CFSM	3.22	3.14	4.89	2.09	1.64	7.21	3.67	5.14	0.61	4.12	1.73	4.46
IN.	3.71	3.50	5.64	2.41	1.77	8.32	4.09	5.93	0.68	4.75	2.00	4.97

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

MEAN	158	298	310	252	312	437	330	170	120	78.2	82.1	127
MAX	375	669	547	624	792	779	627	473	477	379	272	563
(WY)	1982	1986	1978	1998	1976	1979	1994	2004	1986	2004	1977	1977
MIN	13.3	31.0	81.2	79.3	75.9	139	157	38.2	14.6	6.58	5.93	4.84
(WY)	1992	1992	1990	1977	1987	2000	1976	1985	1991	1999	1991	1995

e Estimated.

FRENCH CREEK BASIN

03021350 FRENCH CREEK NEAR WATTSBURG, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	100517		118131			
ANNUAL MEAN	275		323		222	
HIGHEST ANNUAL MEAN					323	
LOWEST ANNUAL MEAN					136	
HIGHEST DAILY MEAN	2180	Dec 24	3900	Sep 9	e 4900	Jan 19 1996
LOWEST DAILY MEAN	24	Jul 4, 15	24	Jul 3	1.7	Aug 18 1999
ANNUAL SEVEN-DAY MINIMUM	28	Jun 28	31	Jun 28	2.4	Aug 14 1999
MAXIMUM PEAK FLOW			b 4790	Sep 9	b 6350	Sep 14 1979
MAXIMUM PEAK STAGE			a 10.31	Sep 9	11.95	Sep 14 1979
INSTANTANEOUS LOW FLOW			21	Jul 4	1.5	Jul 31 1999 ^c
ANNUAL RUNOFF (CFSM)	2.99		3.51		2.42	
ANNUAL RUNOFF (INCHES)	40.64		47.77		32.83	
10 PERCENT EXCEEDS	676		863		529	
50 PERCENT EXCEEDS	137		150		105	
90 PERCENT EXCEEDS	54		48		17	

a From peak-stage indicator.

b From rating curve extended above 4,500 ft³/s.

c Also Aug. 18, 19, 1999.

e Estimated.