



2005 Water Year
PINE CREEK BASIN
03049800 Little Pine Creek near Etna, PA

Latitude: 40° 31 ' 13"

Longitude: 079° 56 ' 18"

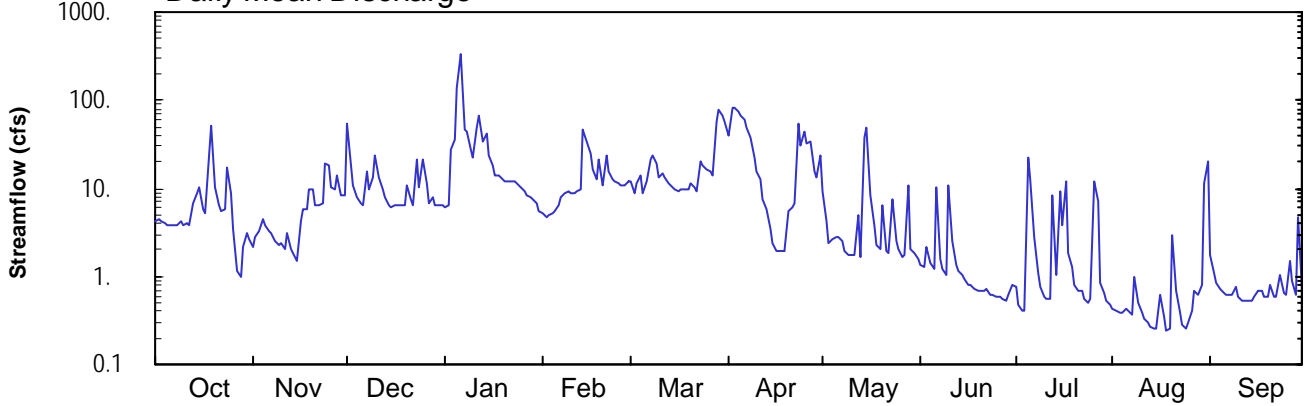
Hydrologic Unit Code: 05010009

Allegheny County

Datum: 774.26 feet

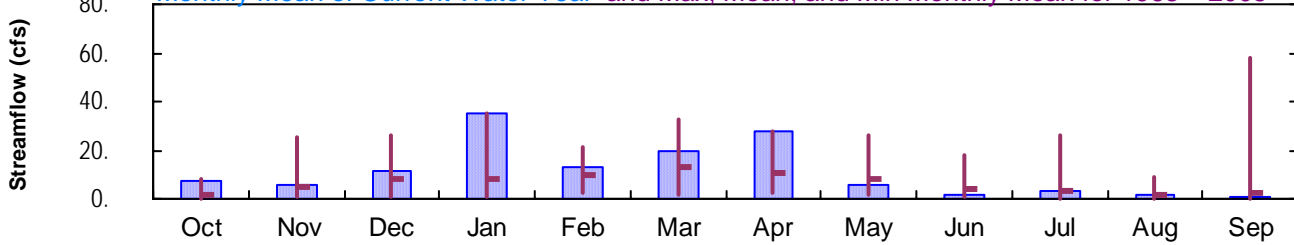
Drainage Area: 5.78 mi²

Daily Mean Discharge

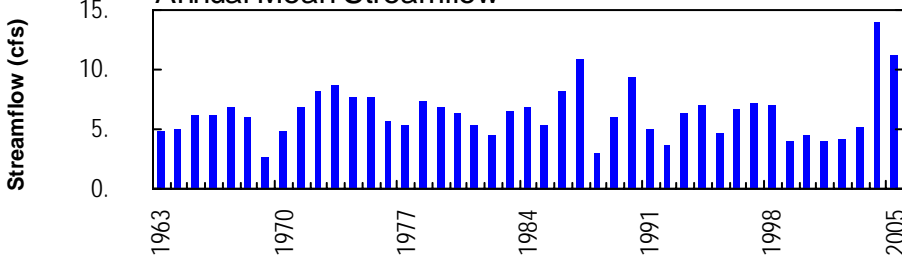


Monthly Statistics

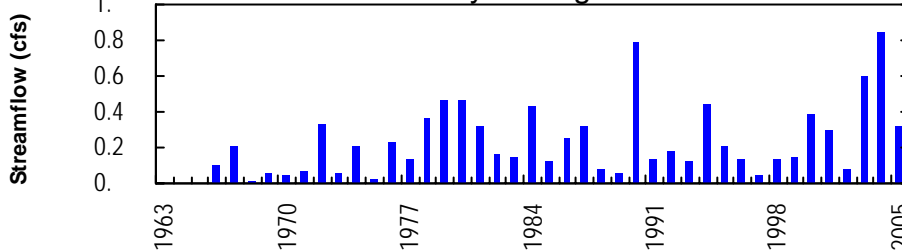
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1963 – 2005



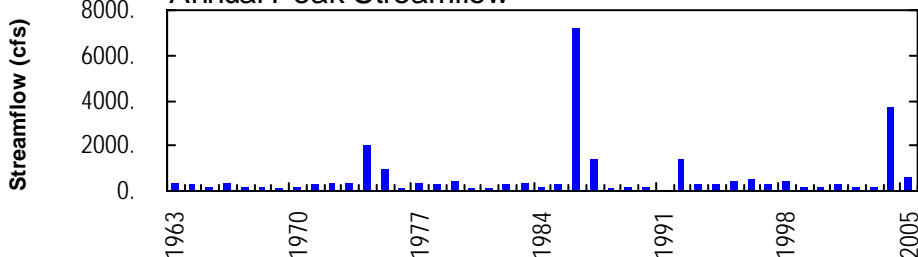
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



PINE CREEK BASIN

03049800 LITTLE PINE CREEK NEAR ETNA, PA

LOCATION.--Lat 40°31'13", long 79°56'18", Allegheny County, Hydrologic Unit 05010009, on right bank at downstream side of highway bridge on Saxonburg Boulevard, 0.7 mi upstream from mouth, and 1.5 mi northeast of Etna.

DRAINAGE AREA.--5.78 mi².

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 774.26 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1986 at datum 3.00 ft higher. Sept. 30, 1987 datum lowered 1.00 ft.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Oct. 19	0000	296	3.99	Jan. 12	0430	169	3.89
Dec. 1	0630	178	4.23	July 15	1730	200	3.73
Jan. 6	0030	*580	*4.62				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	2.2	55	6.2	e5.1	12	40	9.1	1.4	0.75	0.44	1.7
2	4.4	2.9	18	6.4	e4.8	8.7	83	4.2	1.3	0.48	0.42	1.1
3	4.1	3.2	11	27	e5.0	11	83	2.4	2.2	0.41	0.39	0.85
4	4.0	4.5	7.8	37	e5.2	14	76	2.6	1.4	0.41	0.39	0.72
5	3.8	3.9	6.6	139	e5.6	8.6	68	2.8	1.2	22	0.43	0.65
6	3.9	3.3	6.6	329	e6.6	12	59	2.8	11	13	0.41	0.62
7	3.9	3.1	16	47	e8.0	21	49	2.5	1.6	2.9	0.37	0.61
8	3.9	2.5	9.9	44	e9.0	23	37	2.0	1.2	1.1	0.99	0.61
9	4.1	2.3	13	28	e9.5	19	22	1.8	1.0	0.76	0.51	0.76
10	3.8	2.4	23	22	e9.0	13	15	1.8	11	0.59	0.38	0.57
11	4.0	2.1	14	49	e9.0	14	12	1.8	2.5	0.57	0.33	0.54
12	3.8	3.1	9.8	67	e9.5	13	7.6	5.1	1.3	0.54	0.29	0.53
13	6.7	2.1	8.0	33	9.7	11	5.8	1.7	1.1	8.4	0.27	0.53
14	8.9	1.8	6.4	43	45	10	3.5	38	1.0	1.1	0.25	0.54
15	10	1.5	6.2	24	33	9.9	2.4	49	0.96	9.0	0.25	0.60
16	5.8	4.1	6.4	19	25	9.3	2.0	8.2	0.79	3.9	0.62	0.70
17	5.1	5.8	6.4	14	17	9.9	1.9	3.9	0.82	12	0.36	0.69
18	24	5.9	6.5	e14	13	9.8	1.9	2.3	0.73	1.8	0.25	0.60
19	52	9.8	6.3	e13	21	9.7	1.9	2.1	0.67	1.3	0.26	0.58
20	10	9.8	11	e12	11	12	5.6	6.4	0.69	0.81	3.0	0.81
21	6.4	6.4	7.4	e12	23	10	6.0	2.0	0.68	0.69	0.70	0.58
22	5.6	6.3	6.5	e12	16	9.5	6.9	1.8	0.71	0.68	0.38	0.57
23	5.8	6.9	21	e12	13	20	55	7.5	0.62	0.55	0.28	1.0
24	17	19	10	e11	12	18	31	2.5	0.60	0.50	0.26	0.66
25	8.7	18	21	e10	11	16	44	2.0	0.59	0.55	0.29	0.61
26	3.4	10	12	9.0	11	15	32	1.6	0.60	12	0.41	1.5
27	1.1	9.6	6.6	e8.2	11	14	34	1.7	0.57	7.1	0.70	0.89
28	1.0	14	7.9	e8.0	12	58	15	11	0.54	0.84	0.63	0.63
29	2.2	8.4	6.3	e7.7	---	78	13	2.1	0.62	0.65	0.80	4.7
30	3.1	8.2	6.3	e6.8	---	67	24	1.8	0.80	0.53	12	0.76
31	2.7	---	6.4	e5.4	---	58	---	1.5	---	0.49	20	---
TOTAL	227.4	183.1	359.3	1075.7	370.0	614.4	837.5	186.0	50.19	106.40	47.06	26.21
MEAN	7.34	6.10	11.6	34.7	13.2	19.8	27.9	6.00	1.67	3.43	1.52	0.87
MAX	52	19	55	329	45	78	83	49	11	22	20	4.7
MIN	1.0	1.5	6.2	5.4	4.8	8.6	1.9	1.5	0.54	0.41	0.25	0.53
CFSM	1.27	1.06	2.01	6.00	2.29	3.43	4.83	1.04	0.29	0.59	0.26	0.15
IN.	1.46	1.18	2.31	6.92	2.38	3.95	5.39	1.20	0.32	0.68	0.30	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	2.04	4.80	7.78	8.13	9.66	13.1	10.9	8.18	4.14	3.20	1.78	2.82
MAX	8.55	25.4	26.4	34.7	21.0	32.4	27.9	26.1	17.8	26.4	9.00	57.9
(WY)	1980	1986	1987	2005	1966	1994	2005	1968	1972	1990	2004	2004
MIN	0.01	0.51	0.69	0.82	2.17	1.30	2.33	1.74	0.42	0.02	0.10	0.04
(WY)	1964	1964	1964	1977	1980	1969	1971	1965	1965	1965	1965	1963

e Estimated.

PINE CREEK BASIN

03049800 LITTLE PINE CREEK NEAR ETNA, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	5203.61		4083.26			
ANNUAL MEAN	14.2		11.2		6.36	
HIGHEST ANNUAL MEAN					14.0	2004
LOWEST ANNUAL MEAN					2.68	1969
HIGHEST DAILY MEAN	e769	Sep 17	329	Jan 6	e769	Sep 17 2004
LOWEST DAILY MEAN	0.94	Jul 25	0.25	Aug 14 ^a	0.00	Jul 13 1963
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 19	0.32	Aug 13	0.00	Aug 26 1963
MAXIMUM PEAK FLOW			580	Jan 6	b7190	May 30 1986
MAXIMUM PEAK STAGE			4.63	Jan 5	c10.28	May 30 1986
ANNUAL RUNOFF (CFSM)	2.46		1.94		1.10	
ANNUAL RUNOFF (INCHES)	33.49		26.28		14.95	
10 PERCENT EXCEEDS	21		24		15	
50 PERCENT EXCEEDS	6.4		5.6		2.7	
90 PERCENT EXCEEDS	1.8		0.56		0.34	

a Also Aug. 15, 18.

b From rating curve extended above 2,000 ft³/s on basis of slope-area measurement at gage height 8.26 ft, and slope-area measurement of peak flow at site 0.6 mi downstream.

c Gage height 10.41 ft, from outside floodmark, datum then in use.

e Estimated.

