



2005 Water Year McMICHAEL CREEK BASIN

01441495 Pocono Creek ab Wigwam Run near Stroudsburg, PA

Latitude: 40° 59' 27"

Longitude: 075° 15' 20"

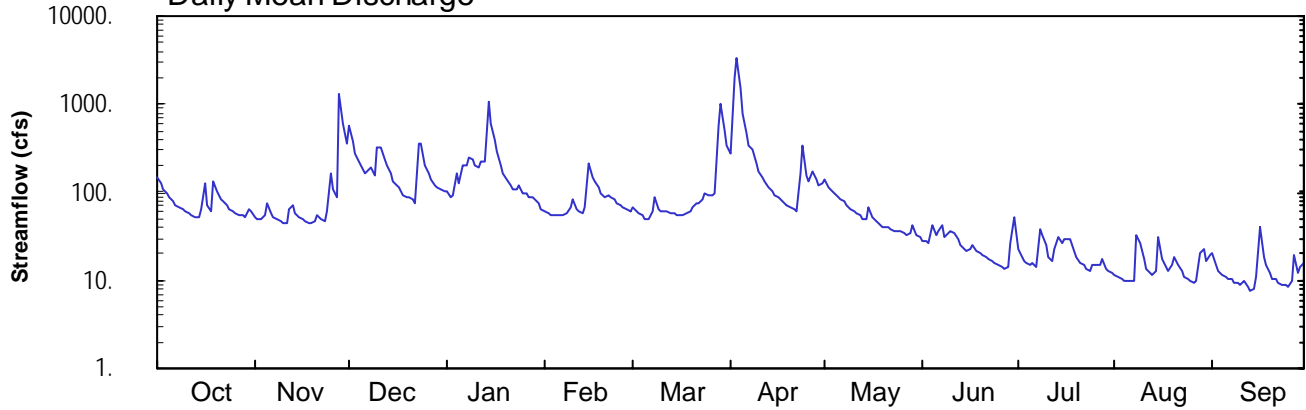
Hydrologic Unit Code: 02040104

Monroe County

Datum: 600 feet

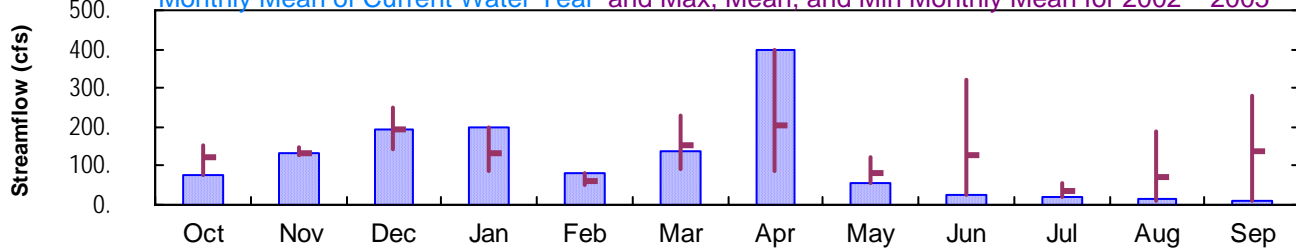
Drainage Area: 38.9 mi²

Daily Mean Discharge

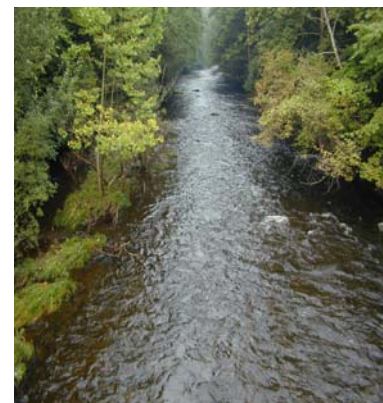
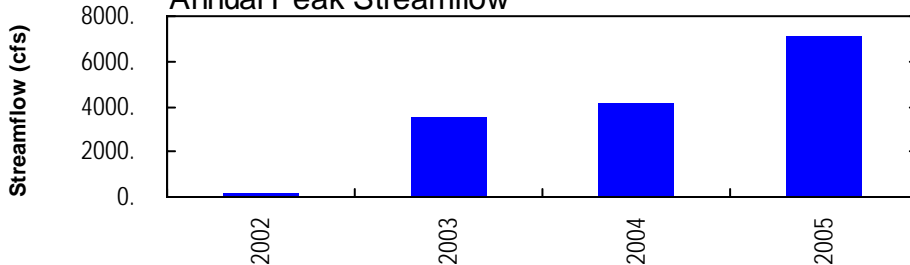


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2005



Annual Peak Streamflow



McMICHAEL CREEK BASIN

01441495 POCONO CREEK ABOVE WIGWAM RUN NEAR STROUDSBURG, PA

LOCATION.--Lat 40°59'27", long 75°15'20", Monroe County, Hydrologic Unit 02040104, on right bank at bridge on SR2005, 150 ft upstream from Wigwam Run, 4.0 mi upstream from mouth, and 4.0 mi west of Stroudsburg, Pa.

DRAINAGE AREA.--38.9 mi².

PERIOD OF RECORD.--June 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 574.57 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good below 250 ft³/s, fair from 250 ft³/s to 3,000 ft³/s. Those above 3,000 ft³/s and those for estimated daily discharges 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 base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	1115	3,240	11.77	Mar. 28	2230	1,940	11.25
Jan. 14	0700	1,860	11.21	Apr. 2	2215	*7,120	*14.10

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	162	49	564	100	e60	68	274	139	29	23	11	20
2	136	46	372	89	e58	61	1940	113	27	20	11	15
3	120	45	281	91	54	57	3440	106	27	17	10	13
4	105	52	222	163	54	e54	1540	95	42	16	9.8	12
5	94	67	185	129	55	e50	800	87	33	15	9.8	11
6	86	54	160	199	55	e50	468	82	35	15	10	10
7	80	50	185	200	56	61	336	77	43	15	9.9	10
8	75	47	196	252	58	89	299	72	31	38	33	9.6
9	71	45	155	230	66	e65	209	65	35	33	27	9.5
10	68	44	317	205	83	e60	172	61	37	25	17	8.9
11	65	44	315	196	64	60	148	57	34	19	13	9.9
12	61	59	236	225	60	60	131	54	29	16	12	8.6
13	59	66	199	229	58	59	117	50	25	23	11	7.7
14	60	54	162	1070	66	57	104	50	23	31	13	7.8
15	70	50	132	597	215	56	94	66	21	26	31	11
16	134	48	118	392	149	56	87	53	23	29	17	40
17	81	46	111	286	133	56	82	47	25	30	14	19
18	68	45	e92	e200	111	58	77	44	21	29	13	15
19	134	45	e90	e160	98	61	72	40	20	22	15	12
20	96	47	e86	e140	89	69	67	40	20	18	18	11
21	76	53	e82	e120	94	74	64	40	18	16	15	10
22	69	48	74	e110	86	74	61	38	17	15	13	9.5
23	63	46	365	e110	81	83	160	36	16	14	11	9.1
24	58	60	359	e120	74	95	332	36	16	13	11	8.7
25	56	159	203	e100	72	94	159	35	15	15	9.8	8.6
26	53	98	162	95	68	93	132	34	14	15	9.5	10
27	51	80	141	e90	64	97	170	33	14	15	10	20
28	50	1320	122	e88	62	569	138	34	14	17	20	e12
29	49	615	114	e85	---	1000	118	42	27	14	23	e14
30	57	363	107	76	---	509	129	33	52	13	16	e16
31	55	---	102	65	---	345	---	31	---	12	19	---
TOTAL	2462	3845	6009	6212	2243	4240	11920	1790	783	619	462.8	378.9
MEAN	79.4	128	194	200	80.1	137	397	57.7	26.1	20.0	14.9	12.6
MAX	162	1320	564	1070	215	1000	3440	139	52	38	33	40
MIN	49	44	74	65	54	50	61	31	14	12	9.5	7.7
CFSM	2.04	3.29	4.98	5.15	2.06	3.52	10.2	1.48	0.67	0.51	0.38	0.32
IN.	2.35	3.68	5.75	5.94	2.14	4.05	11.40	1.71	0.75	0.59	0.44	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	122	133	195	132	62.7	153	202	80.8	128	36.8	71.1	135
MAX	152	145	248	200	80.1	229	397	123	324	57.2	187	280
(WY)	2003	2004	2004	2005	2005	2003	2005	2004	2003	2004	2004	2004
MIN	79.4	125	141	85.5	50.1	91.9	86.7	57.7	26.1	18.6	9.99	12.6
(WY)	2005	2003	2003	2004	2004	2004	2004	2005	2005	2002	2002	2005

e Estimated.

McMICHAEL CREEK BASIN

01441495 POCONO CREEK ABOVE WIGWAM RUN NEAR STROUDSBURG, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	42753		40964.7			
ANNUAL MEAN	117		112		127	
HIGHEST ANNUAL MEAN					140	2003
LOWEST ANNUAL MEAN					112	2005
HIGHEST DAILY MEAN	1840	Sep 18	3440	Apr 3	3440	Apr 3 2005
LOWEST DAILY MEAN	12	Jul 11	7.7	Sep 13	6.6	Aug 15 2002 ^a
ANNUAL SEVEN-DAY MINIMUM	15	Jul 5	8.9	Sep 8	7.2	Sep 8 2002
MAXIMUM PEAK FLOW			^b 7120	Apr 2	^b 7120	Apr 2 2005
MAXIMUM PEAK STAGE			14.10	Apr 2	14.10	Apr 2 2005
INSTANTANEOUS LOW FLOW					5.1	Aug 20 2002
ANNUAL RUNOFF (CFSM)	3.00		2.89		3.25	
ANNUAL RUNOFF (INCHES)	40.88		39.17		44.19	
10 PERCENT EXCEEDS	200		204		250	
50 PERCENT EXCEEDS	76		58		75	
90 PERCENT EXCEEDS	39		13		21	

^a Also Sept. 12, 2002.

^b Rating extended above 3,000 ft³/s based on slope-conveyance computations.

