



# 2004 Water Year McMICHAEL CREEK BASIN

## 01441495 Pocono Creek ab Wigwam Run near Stroudsburg, PA

Latitude: 40° 59 ' 27"

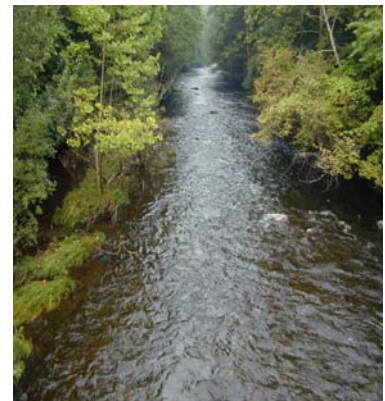
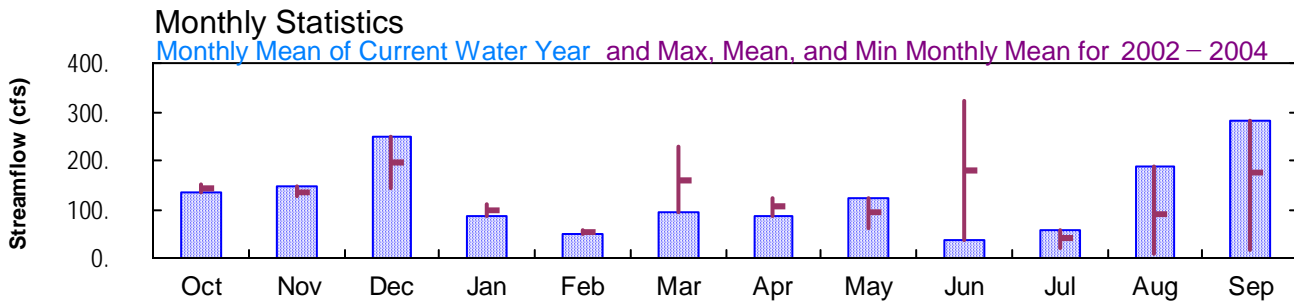
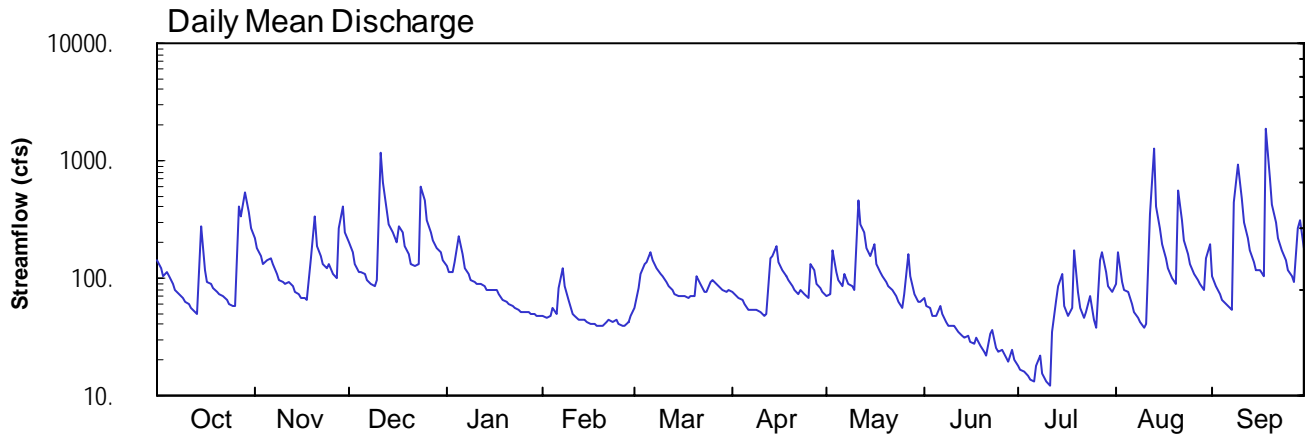
Longitude: 075° 15 ' 20"

Hydrologic Unit Code: 02040104

Monroe County

Datum: 600 feet

Drainage Area: 38.9 mi<sup>2</sup>



**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 mi<sup>2</sup>.

**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 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 base discharge of 1,500 ft<sup>3</sup>/s (revised) and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Dec. 11	1445	2,680	11.57	Sept. 8	2115	2,050	11.30
Aug. 13	0000	2,860	11.64	Sept. 18	1145	*4,110	*12.04

**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	141	218	203	126	e48	56	75	71	68	18	88	103
2	122	182	164	114	e46	83	73	72	59	17	166	84
3	105	154	131	113	e48	110	68	175	55	16	94	74
4	110	134	115	138	e55	133	66	112	48	15	79	65
5	104	143	112	225	e50	135	60	94	49	14	75	60
6	88	149	109	159	e81	165	54	87	57	13	60	58
7	79	130	97	120	e120	142	54	108	50	18	52	53
8	74	108	89	107	e85	124	53	89	43	22	46	432
9	69	98	86	98	e64	108	53	87	40	15	42	942
10	64	91	96	e94	50	102	51	78	39	13	37	478
11	59	89	1160	e90	48	94	48	454	40	12	40	300
12	56	92	648	e88	45	86	49	282	35	35	351	222
13	52	87	375	86	44	78	146	249	32	64	1270	172
14	50	77	288	80	44	73	154	183	31	87	414	138
15	272	72	247	e78	43	70	189	153	32	108	266	118
16	116	69	201	e80	e41	70	135	198	29	58	197	115
17	94	67	279	e78	e41	71	118	134	28	47	148	105
18	89	64	245	e74	e39	69	105	113	31	57	121	1840
19	82	146	186	e64	39	71	96	106	27	176	101	715
20	75	336	158	e62	39	71	86	94	23	77	90	428
21	73	187	133	e60	43	102	79	85	22	56	555	298
22	69	154	127	e57	44	89	74	78	34	46	309	221
23	64	133	131	e55	42	76	79	69	37	51	208	172
24	61	122	600	e53	44	76	72	63	26	71	159	141
25	58	132	459	e52	42	93	68	57	23	44	130	119
26	57	108	313	e52	40	95	131	73	25	38	110	103
27	409	99	250	e52	40	90	119	158	21	144	97	91
28	337	268	208	e50	42	85	90	103	19	166	88	267
29	529	411	179	e50	47	79	81	74	24	114	79	315
30	360	243	168	e48	---	75	75	62	20	86	145	180
31	269	---	142	e48	---	78	---	62	---	75	193	---
TOTAL	4187	4363	7699	2651	1454	2849	2601	3823	1067	1773	5810	8409
MEAN	135	145	248	85.5	50.1	91.9	86.7	123	35.6	57.2	187	280
MAX	529	411	1160	225	120	165	189	454	68	176	1270	1840
MIN	50	64	86	48	39	56	48	57	19	12	37	53
CFSM	3.47	3.74	6.38	2.20	1.29	2.36	2.23	3.17	0.91	1.47	4.82	7.21
IN.	4.00	4.17	7.36	2.54	1.39	2.72	2.49	3.66	1.02	1.70	5.56	8.04

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)**

MEAN	143	135	195	97.8	54.1	160	105	92.4	180	42.4	89.8	176
MAX	152	145	248	110	58.2	229	122	123	324	57.2	187	280
(WY)	2003	2004	2004	2003	2003	2003	2003	2004	2003	2004	2004	2004
MIN	135	125	141	85.5	50.1	91.9	86.7	61.5	35.6	18.6	9.99	18.0
(WY)	2004	2003	2003	2004	2004	2004	2004	2003	2004	2002	2002	2002

e Estimated.

McMICHAEL CREEK BASIN

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	54404		46686			
ANNUAL MEAN	149		128		134	
HIGHEST ANNUAL MEAN					140	
LOWEST ANNUAL MEAN					128	
HIGHEST DAILY MEAN	1350	Sep 23	1840	Sep 18	1840	Sep 18 2004
LOWEST DAILY MEAN	28	Jul 31	12	Jul 11	6.6	Aug 15 2002 <sup>a</sup>
ANNUAL SEVEN-DAY MINIMUM	31	Aug 25	15	Jul 5	7.2	Sep 8 2002
MAXIMUM PEAK FLOW			4110	Sep 18	4110	Sep 18 2004
MAXIMUM PEAK STAGE			12.04	Sep 18	12.04	Sep 18 2004
INSTANTANEOUS LOW FLOW					5.1	Aug 20 2002
ANNUAL RUNOFF (CFSM)	3.83		3.28		3.44	
ANNUAL RUNOFF (INCHES)	52.03		44.65		46.67	
10 PERCENT EXCEEDS	308		249		272	
50 PERCENT EXCEEDS	89		86		85	
90 PERCENT EXCEEDS	40		39		38	

<sup>a</sup> Also Sept. 12, 2002.