

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 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 ft³/s (revised) and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Oct. 12	0100	1,670	11.11	Sept. 15	1330	2,650	11.56
Mar. 21	0030	1,710	11.13	Sept. 23	0930	*3,540	*11.87

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e21	84	85	211	47	66	211	63	618	89	31	59
2	e19	77	73	379	45	95	232	62	310	e81	53	80
3	16	71	66	248	41	98	197	58	226	e72	40	93
4	18	66	57	217	68	e84	171	55	293	e65	54	97
5	25	62	59	185	63	82	182	53	224	61	281	67
6	20	104	63	167	e52	98	158	54	176	54	232	53
7	17	82	61	146	47	85	144	51	309	58	133	46
8	15	69	61	137	e44	80	139	54	313	63	94	41
9	14	64	e54	142	e46	85	138	53	235	52	77	38
10	17	62	e52	134	44	79	148	50	191	50	103	35
11	509	67	86	115	e42	73	167	49	162	55	128	32
12	857	88	246	101	e39	72	162	54	244	49	121	31
13	291	e110	163	89	e38	80	136	50	627	44	87	41
14	184	e85	335	83	e35	80	123	46	348	40	72	e110
15	134	e72	287	75	e36	84	116	43	252	38	63	986
16	442	e91	239	e73	e31	138	109	42	200	36	65	544
17	385	e300	184	e70	e48	274	99	42	164	33	67	272
18	223	e360	153	e66	e100	400	96	40	188	34	57	193
19	172	e250	143	e68	e46	379	92	38	153	41	51	238
20	142	e220	298	e67	e40	473	85	37	272	33	46	183
21	e120	e210	248	e64	e36	990	81	45	1040	37	43	136
22	e100	199	196	e60	e62	644	81	42	1090	112	40	115
23	87	182	171	e60	e160	444	76	40	628	70	37	1350
24	e80	145	149	e58	110	338	71	58	411	68	34	553
25	e68	129	157	e58	87	278	65	60	289	49	32	344
26	204	117	149	e56	e81	246	89	175	220	41	31	261
27	135	115	122	e54	e74	222	92	129	172	36	30	209
28	e100	99	113	e59	69	180	73	100	138	38	29	325
29	95	90	108	e56	---	300	71	91	115	33	28	215
30	95	94	100	e56	---	308	66	79	101	30	37	165
31	92	---	104	57	---	243	---	92	---	28	33	---
TOTAL	4697	3764	4382	3411	1631	7098	3670	1905	9709	1590	2229	6912
MEAN	152	125	141	110	58.2	229	122	61.5	324	51.3	71.9	230
MAX	857	360	335	379	160	990	232	175	1090	112	281	1350
MIN	14	62	52	54	31	66	65	37	101	28	28	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	152	125	141	110	58.2	229	122	61.5	324	35.0	40.9	124
MAX	152	125	141	110	58.2	229	122	61.5	324	51.3	71.9	230
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	152	125	141	110	58.2	229	122	61.5	324	18.6	9.99	18.0
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002	2002	2002

e Estimated.

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SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	50998			
ANNUAL MEAN	140		140	
HIGHEST ANNUAL MEAN			140	2003
LOWEST ANNUAL MEAN			140	2003
HIGHEST DAILY MEAN	1350	Sep 23	1350	Sep 23 2003
LOWEST DAILY MEAN	14	Oct 9	6.6	Aug 15 2002 ^a
ANNUAL SEVEN-DAY MINIMUM	18	Oct 3	7.2	Sep 8 2002
MAXIMUM PEAK FLOW	3540	Sep 23	3540	Sep 23 2003
MAXIMUM PEAK STAGE	11.87	Sep 23	11.87	Sep 23 2003
INSTANTANEOUS LOW FLOW			5.1	Aug 20 2002
10 PERCENT EXCEEDS	290		290	
50 PERCENT EXCEEDS	85		85	
90 PERCENT EXCEEDS	37		37	

^a Also Sept. 12, 2002.

