

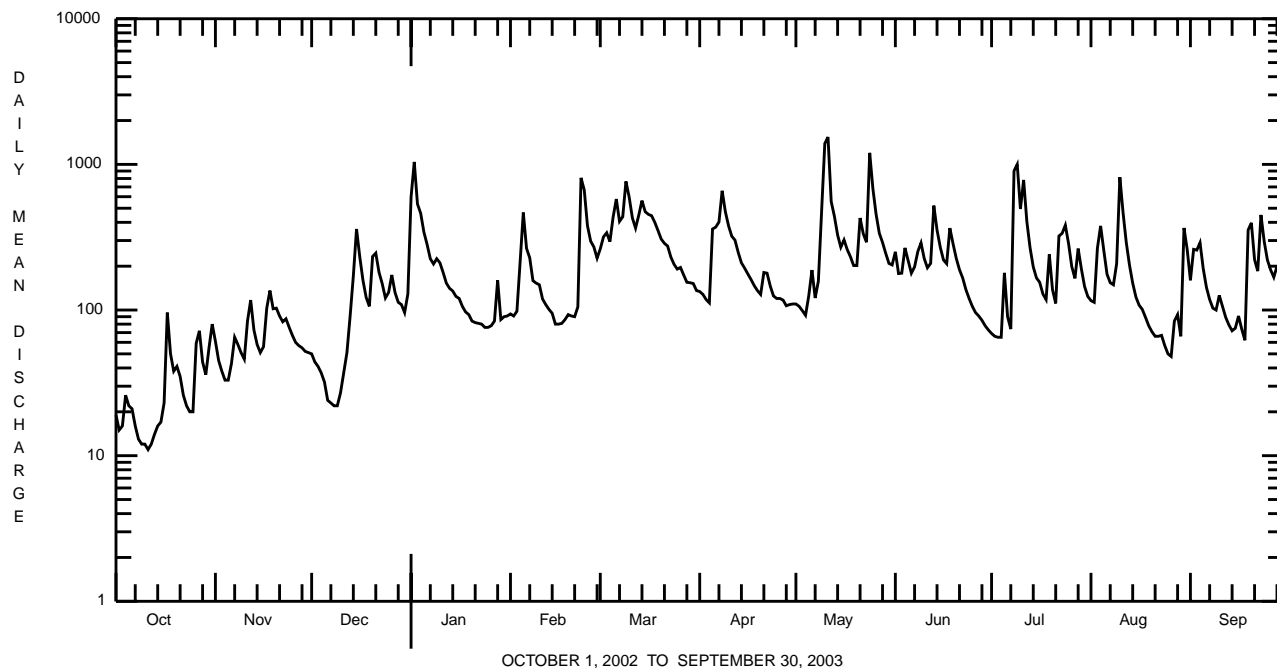


### RACCOON CREEK BASIN

#### 03108000 RACCOON CREEK AT MOFFATTS MILL, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	45921.4		72954			
ANNUAL MEAN	126		200		189	
HIGHEST ANNUAL MEAN					314	1951
LOWEST ANNUAL MEAN					90.9	1954
HIGHEST DAILY MEAN	1720	Mar 27	1540	May 11	6120	Jan 27 1952
LOWEST DAILY MEAN	6.4	Sep 14,24-26	11	Oct 11	4.8	Sep 8 1945
ANNUAL SEVEN-DAY MINIMUM	6.7	Sep 20	13	Oct 7	5.6	Aug 20 1965
MAXIMUM PEAK FLOW			2910	May 11	a8590	Jan 27 1952
MAXIMUM PEAK STAGE			5.46	May 11	9.71	Jan 27 1952
INSTANTANEOUS LOW FLOW			11	Oct 9,11,12	4.5	Aug 24 1965
ANNUAL RUNOFF (CFSM)	0.71		1.12		1.06	
ANNUAL RUNOFF (INCHES)	9.60		15.25		14.45	
10 PERCENT EXCEEDS	304		428		441	
50 PERCENT EXCEEDS	78		138		97	
90 PERCENT EXCEEDS	9.3		42		20	

a From rating curve extended above 7,400 ft<sup>3</sup>/s.



## RACCOON CREEK BASIN

03108000 RACCOON CREEK AT MOFFATTS MILL, PA--Continued  
(Pennsylvania Water-Quality Network Station)

## WATER-QUALITY RECORDS

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

REMARKS.--Other data for the Water-Quality Network can be found on pages 242-289.

COOPERATION.--Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd $\mu$ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, unfltrd recover -able, mg/L (00916)	Magnesium, water, unfltrd recover -able, mg/L (00927)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)
NOV 2002	05...	1028	9813	31	40	11.2	7.5	--	5.3	590	135	61.2	94
JAN 2003	08...	1028	9813	205	40	15.6	7.8	720	1.6	280	75.7	21.1	76
MAR	05...	1028	9813	430	40	13.8	7.8	671	2.8	260	69.6	20.7	67
MAY	19...	1045	9813	205	40	11.3	8.3	694	17.4	330	86.2	27.6	76
JUL	07...	0835	9813	73	40	7.8	7.2	943	--	480	122	41.5	83
SEP	02...	1315	9813	290	40	8.4	7.5	738	20.5	320	83.2	26.4	80

Date	Sulfate water, unfltrd, mg/L (00945)	Residue on evap. at 105degC, mg/L (00515)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd, mg/L as N (00610)	Nitrate water, unfltrd, mg/L as N (00620)	Nitrite water, unfltrd, mg/L as N (00615)	Ortho-phosphate, water, unfltrd, mg/L as P (70507)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	Organic carbon, water, unfltrd, mg/L (00680)	Aluminum, water, unfltrd recover -able, $\mu$ g/L (01105)	Copper, water, unfltrd recover -able, $\mu$ g/L (01042)	Iron, water, unfltrd recover -able, $\mu$ g/L (01045)	
NOV 2002	552	1060	<2	<.020	.90	<.040	.02	.021	1.3	3.5	<200	<10	160	
JAN 2003	183	542	6	.040	1.94	<.200	.01	.016	2.3	1.9	400	40	710	
MAR	05...	179	552	98	.050	1.62	<.200	.04	.081	1.9	2.3	2600	<10	4970
MAY	19...	234	596	<2	<.020	.66	<.040	.01	.014	.85	2.0	300	<10	440
JUL	07...	366	760	40	.020	.82	<.200	.01	.025	1.0	2.8	300	<10	390
SEP	02...	241	792	74	<.020	.73	<.040	.03	.065	1.1	3.0	1700	<10	2690

Date	Lead, water, unfltrd recover -able, $\mu$ g/L (01051)	Manganese, water, unfltrd recover -able, $\mu$ g/L (01055)	Nickel, water, unfltrd recover -able, $\mu$ g/L (01067)	Zinc, water, unfltrd recover -able, $\mu$ g/L (01092)
NOV 2002	<1.0	100	<50	<10
JAN 2003	1.0	280	<50	50
MAR	05...	8.6	430	<50
MAY	19...	1.0	150	<50
JUL	07...	<1.0	80	<50
SEP	02...	3.9	240	<50

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**03108000 RACCOON CREEK AT MOFFATTS MILL, PA--Continued**

BIOLOGICAL DATA  
BENTHIC MACROINVERTEBRATES

**REMARKS.**--Samples were collected using rapid bioassessment protocols for benthic macroinvertebrates using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 (approximate) subsamples.

Date	9/6/02
Benthic Macroinvertebrate	Count
Nematoda (NEMATODES)	1
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Ancylidae	
<u>Ferrissia</u> sp	3
Bivalvia (CLAMS)	
Veneroidea	
Corbiculidae	
<u>Corbicula fluminea</u>	1
Arthropoda	
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<u>Baetis</u> sp	11
Caenidae	
<u>Caenis</u> sp	4
Tricorythidae	
<u>Tricorythodes</u> sp	7
Odonata (DRAGONFLIES AND DAMSELFLIES)	
Gomphidae	
<u>Dromogomphus</u> sp	1
Megaloptera	
Corydalidae (FISHFLIES AND DOBSONFLIES)	
<u>Corydalis</u> sp	2
Trichoptera (CADDISFLIES)	
Helicopsychidae	
<u>Helicopsyche</u> sp	1
Hydropsychidae	
<u>Cheumatopsyche</u> sp	24
<u>Hydropsyche</u> sp	17
Hydroptilidae	
<u>Hydroptila</u> sp	2
Psychomyiidae	
<u>Psychomyia</u> sp	6
Coleoptera (BEETLES)	
Psephenidae (WATER PENNIES)	
<u>Psephenus</u> sp	1
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	41
Total Organisms	122