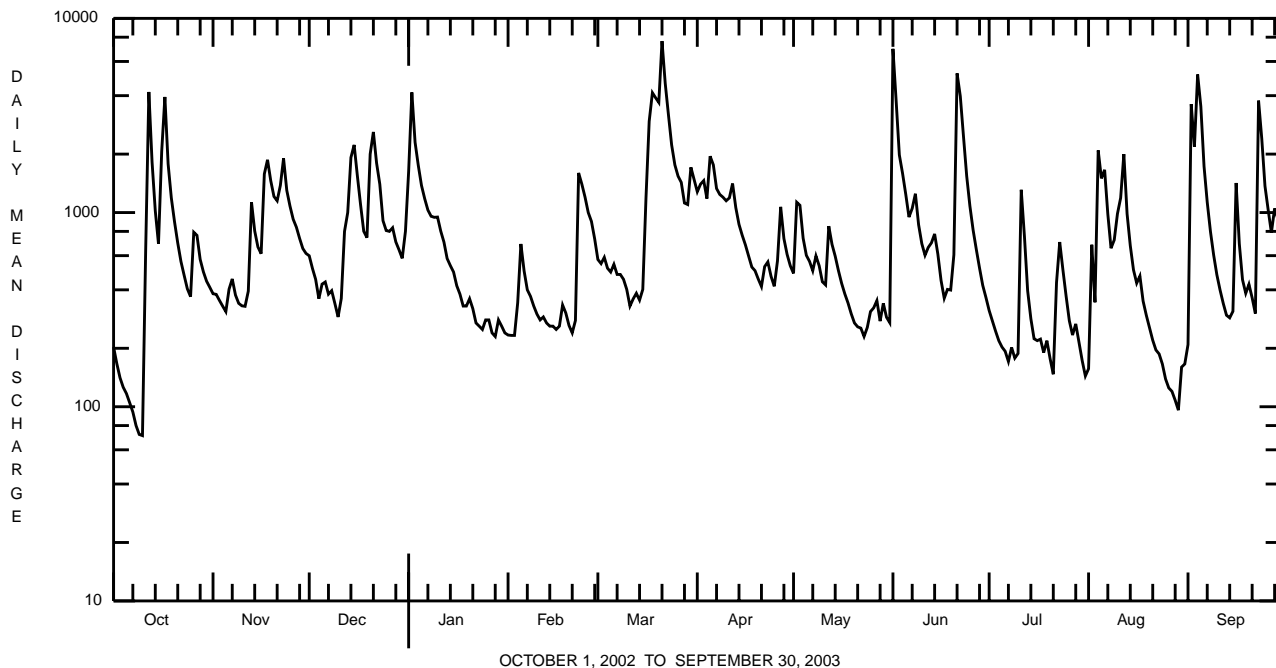


TUNKHANNOCK CREEK BASIN

01534000 TUNKHANNOCK CREEK NEAR TUNKHANNOCK, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1914 - 2003	
ANNUAL TOTAL	221533		317587			
ANNUAL MEAN	607		870		543	
HIGHEST ANNUAL MEAN					897	1928
LOWEST ANNUAL MEAN					220	1965
HIGHEST DAILY MEAN	6660	May 14	7640	Mar 21	22700	Apr 16 1983
LOWEST DAILY MEAN	15	Aug 21,22	71	Oct 10	6.9	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	17	Aug 16	95	Oct 4	7.9	Sep 18 1964
MAXIMUM PEAK FLOW			10900	Jun 1	^a 30300	Jan 19 1996
MAXIMUM PEAK STAGE			10.08	Jun 1	19.99	Jan 19 1996
INSTANTANEOUS LOW FLOW					6.2	Sep 24 1964
ANNUAL RUNOFF (CFSM)	1.58		2.27		1.42	
ANNUAL RUNOFF (INCHES)	21.52		30.85		19.27	
10 PERCENT EXCEEDS	1460		1790		1240	
50 PERCENT EXCEEDS	397		532		260	
90 PERCENT EXCEEDS	40		219		50	

a From computation of slope-area measurement of peak flow.



TUNKHANNOCK CREEK BASIN

01534000 TUNKHANNOCK CREEK NEAR TUNKHANNOCK, 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 368-434.

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 μ 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	19...	1028	9813	1480	40	12.3	7.0	124	4.6	38	12.5	1.6	24
JAN 2003	22...	1028	9813	E270	30	15.1	6.4	164	.0	48	15.6	2.1	28
MAR	18...	1028	9813	3170	30	12.2	7.5	137	2.7	36	11.9	1.6	18
MAY	27...	1028	9813	335	30	11.8	8.7	157	15.7	47	15.8	1.9	34
JUL	28...	1028	9813	272	30	11.0	7.6	163	21.1	53	17.8	2.2	42
SEP	17...	1028	9813	657	30	10.9	7.8	113	17.3	40	13.3	1.7	31

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat flt 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, μ g/L (01105)	Copper, water, unfltrd recover-able, μ g/L (01042)	Iron, water, unfltrd recover-able, μ g/L (01045)
NOV 2002	11.6	68	26	<.020	.39	<.040	<.01	.018	1.1	3.6	<200	<10	150
JAN 2003	12.7	6	16	.050	.86	<.040	<.01	.017	1.4	1.9	<200	<10	80
MAR	9.0	76	30	.030	.78	<.040	.03	.046	1.2	3.2	900	<10	1100
MAY	9.7	110	<2	<.020	.22	<.040	.01	.024	.41	3.1	<200	<10	130
JUL	8.9	104	6	<.020	.37	<.040	.02	.031	.47	3.2	<200	<10	120
SEP	7.8	92	4	<.020	.22	<.040	.02	.033	.56	4.2	<200	<10	240

Date	Lead, water, unfltrd recover-able, μ g/L (01051)	Manganese, water, unfltrd recover-able, μ g/L (01055)	Nickel, water, unfltrd recover-able, μ g/L (01067)	Zinc, water, unfltrd recover-able, μ g/L (01092)
NOV 2002				
19...	<1.0	20	<50	<10
JAN 2003				
22...	<1.0	20	<50	<10
MAR				
18...	<1.0	160	<50	<10
MAY				
27...	1.3	30	<50	<10
JUL				
28...	<1.0	20	<50	<10
SEP				
17...	<1.0	20	<50	60

TUNKHANNOCK CREEK BASIN

01534000 TUNKHANNOCK CREEK NEAR TUNKHANNOCK, 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 μ m. Samples represent counts per 100 (approximate) subsamples.

Date	8/22/02
Benthic Macroinvertebrate	Count
Arthropoda	
Acariformes	
Hydrachnidia (WATER MITES)	3
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<u>Acentrella</u> sp	6
Caenidae	
<u>Caenis</u> sp	1
Ephemerellidae	
<u>Serratella</u> sp	9
Heptageniidae	25
<u>Stenonema</u> sp	11
Isonychiidae	
<u>Isonychia</u> sp	11
Megaloptera	
Corydalidae (FISHFLIES AND DOBSONFLIES)	
<u>Corydalus</u> sp	9
Trichoptera (CADDISFLIES)	
Apataniidae	
<u>Apatania</u> sp	1
Hydropsychidae	
<u>Cheumatopsyche</u> sp	9
<u>Hydropsyche</u> sp	10
Hydroptilidae	
<u>Hydroptila</u> sp	4
Philopotamidae	
<u>Chimarra</u> sp	20
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
<u>Optioservus</u> sp	13
<u>Stenelmis</u> sp	7
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	31
Total Organisms	170