



2004 Water Year

WEST BRANCH SUSQUEHANNA RIVER BASIN

01544000 First Fork Sinnemahoning Cr near Sinnemahoning, PA

Latitude: 41° 24 ' 06"

Longitude: 078° 01 ' 28"

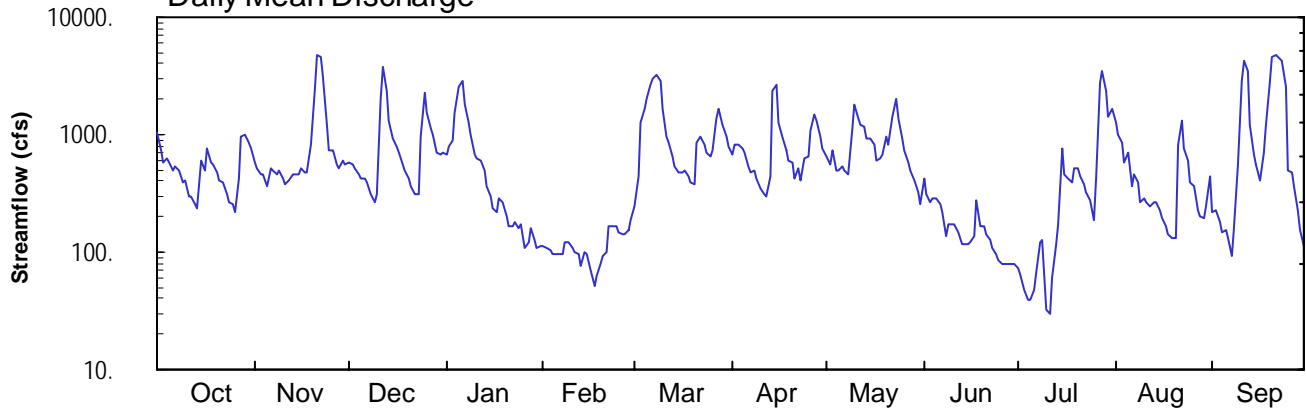
Hydrologic Unit Code: 02050202

Cameron County

Datum: 878.71 feet

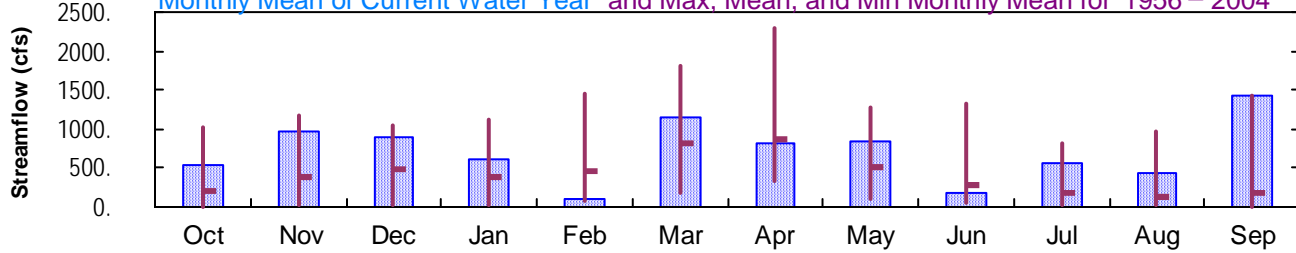
Drainage Area: 245. mi²

Daily Mean Discharge

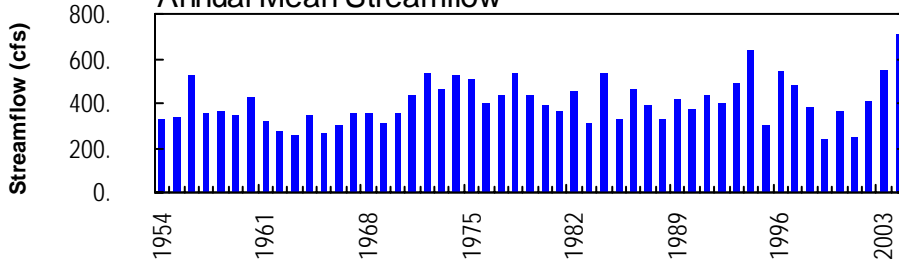


Monthly Statistics

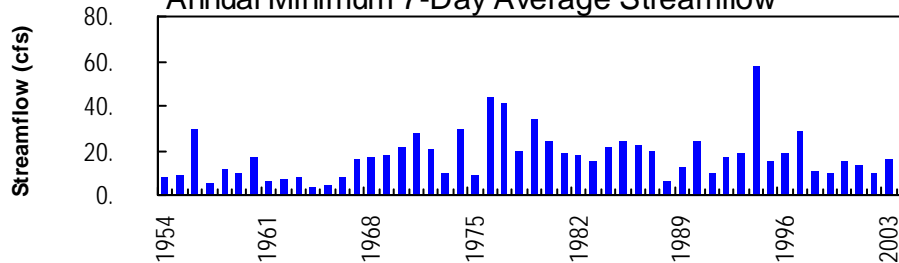
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1956 – 2004



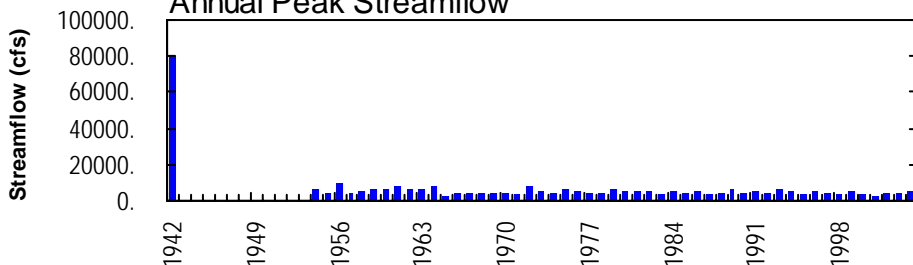
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



WEST BRANCH SUSQUEHANNA RIVER BASIN

01544000 FIRST FORK SINNEMAHONING CREEK NEAR SINNEMAHONING, PA--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

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

REMARKS.--Some values for "dissolved" parameters exceed values for the corresponding "total" parameter. These results are within the limits of analytical precision and methods.

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 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, μ S/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, unfltrd, recoverable, mg/L (00915)	Calcium water, unfltrd, recoverable, mg/L (00916)	
Date		Magnesium, water, unfltrd, recoverable, mg/L (00925)	Magnesium, water, unfltrd, recoverable, mg/L (00927)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)	Acidity water, unfltrd heated, mg/L as CaCO3 (70508)	Sulfate water, unfltrd, mg/L (00945)	Residue on evap. at 105degC, wat flt (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)	Orthophosphate, water, unfltrd, mg/L as P (70507)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)
OCT 2003	16...	0945	1028	9813	462	11.1	7.6	6.7	58	54	10.2	19	5.0	5.2
DEC	23...	1330	1028	9813	330	12.9	6.5	7.0	51	54	2.1	19	4.9	5.1
FEB 2004	17...	1000	1028	9813	E52	14.8	7.9	7.1	63	62	.6	21	5.4	5.7
APR	29...	1215	1028	9813	1000	11.9	7.1	6.6	49	47	9.2	17	4.5	4.6
JUL	01...	0930	1028	9813	78.5	8.6	6.4	6.8	64	64	20.5	23	6.4	6.4
AUG	19...	1030	1028	9813	134	9.4	7.2	6.8	61	61	19.6	21	5.6	5.7
OCT 2003	16...	1.5	1.5	14	.00	7.8	72	2	<.020	.21	<.040	.02	.017	.47
DEC	23...	1.5	1.6	10	.00	9.1	34	<2	<.020	.44	<.040	<.01	<.010	.60
FEB 2004	17...	1.6	1.7	13	19	8.8	68	<2	<.020	.53	<.040	<.01	.010	.60
APR	29...	1.4	1.4	11	32	8.3	48	<2	<.020	.46	<.040	<.01	.015	.68
JUL	01...	1.7	1.7	18	25	7.4	58	2	.030	.12	<.040	.01	.020	.38
AUG	19...	1.6	1.7	21	18	7.5	30	<2	.040	.17	<.040	<.01	.013	.70

WEST BRANCH SUSQUEHANNA RIVER BASIN

01544000 FIRST FORK SINNEMAHONING CREEK NEAR SINNEMAHONING, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Alum- inum, water, fltrd, µg/L (01106)	Alum- inum, water, unfltrd recover -able, µg/L (01105)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recover -able, µg/L (01067)
OCT 2003 16...	1.1	10	70	<4	<4	80	200	<1.0	<1.0	20	30	<4.0	<4.0
DEC 23...	1.5	<10	30	<4	<4	<20	90	<1.0	<1.0	20	20	<4.0	<4.0
FEB 2004 17...	.5	<10	20	<4	<4	30	110	<1.0	<1.0	30	40	<4.0	<4.0
APR 29...	.5	<10	70	<4	<4	30	120	<1.0	<1.0	20	20	<4.0	<4.0
JUL 01...	.7	<10	30	<4	<4	190	440	<1.0	<1.0	60	120	<4.0	<4.0
AUG 19...	1.2	<10	30	<4	<4	60	250	<1.0	<1.0	10	50	<4.0	<4.0

Date	Zinc, water, unfltrd recover -able, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
OCT 2003 16...	<5.0	<5.0
DEC 23...	<5.0	<5.0
FEB 2004 17...	6.2	<5.0
APR 29...	<5.0	<5.0
JUL 01...	<5.0	<5.0
AUG 19...	<5.0	<5.0

WEST BRANCH SUSQUEHANNA RIVER BASIN

01544000 FIRST FORK SINNEMAHONING CREEK NEAR SINNEMAHONING, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 animal (approximate) subsamples.

Date	08/16/03
Benthic Macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	3
Mollusca	
Bivalvia (CLAMS)	
Veneroidea	
Sphaeriidae	
Sphaerium	13
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Tubificida	
Naididae	2
Arthropoda	
Acariformes	
Hydrachnidia (WATER MITES)	1
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
Acentrella	2
Baetis	1
Ephemerellidae	
Eurylophella	2
Heptageniidae	1
Stenonema	3
Isonychiidae	
Isonychia	10
Plecoptera (STONEFLIES)	
Taeniopterygidae	
Taenionema	1
Taeniopteryx	1
Trichoptera (CADDISFLIES)	
Hydropsychidae	
Cheumatopsyche	59
Hydropsyche	14
Philopotamidae	
Chimarra	2
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	95
Simuliidae (BLACK FLIES)	
Simulium	1
Total Organisms	211
Total Taxa	17