



2004 Water Year
RIDLEY CREEK BASIN

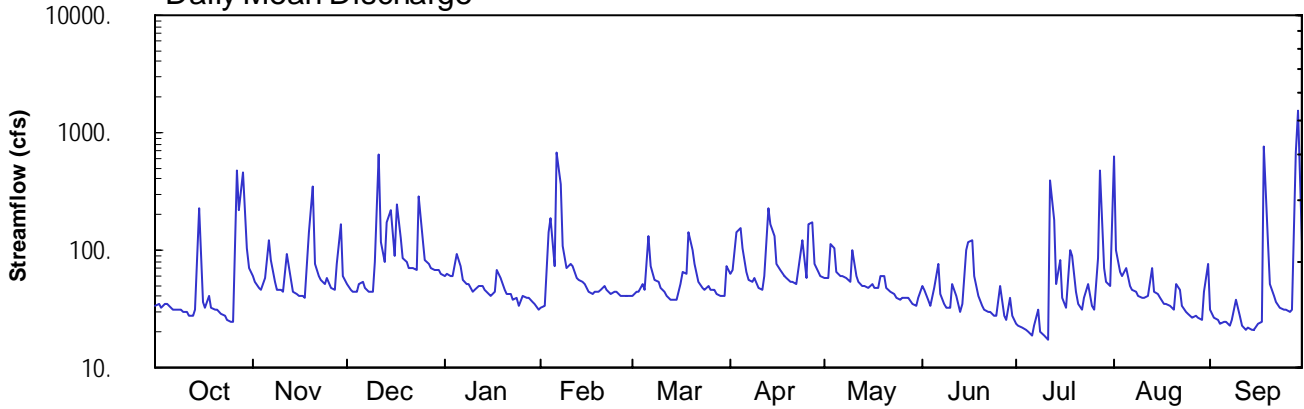
01476480 Ridley Creek at Media, PA

Latitude: 39° 54 ' 58"
Delaware County

Longitude: 075° 24 ' 13"
Datum: 110 feet

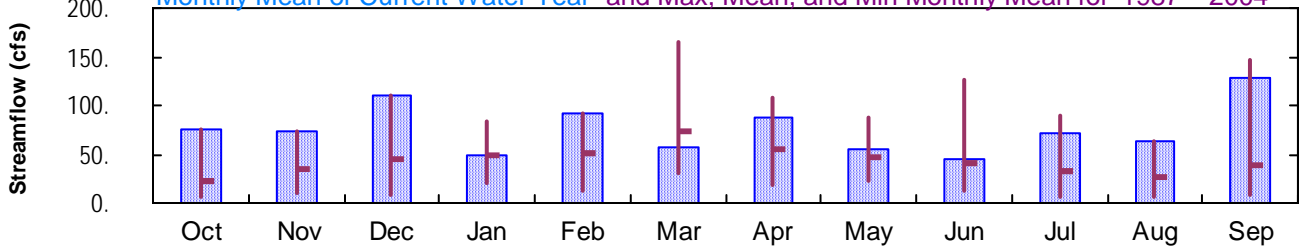
Hydrologic Unit Code: 02040202
Drainage Area: 30.5 mi²

Daily Mean Discharge

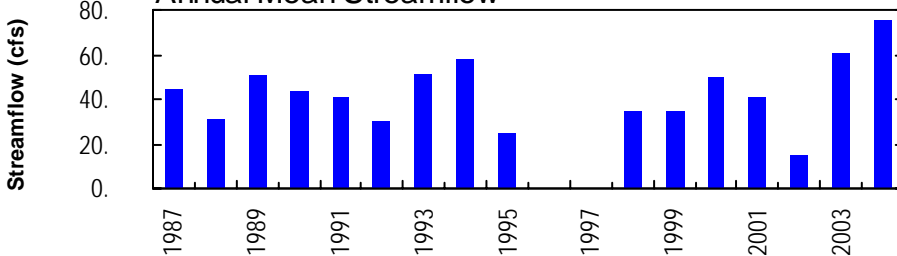


Monthly Statistics

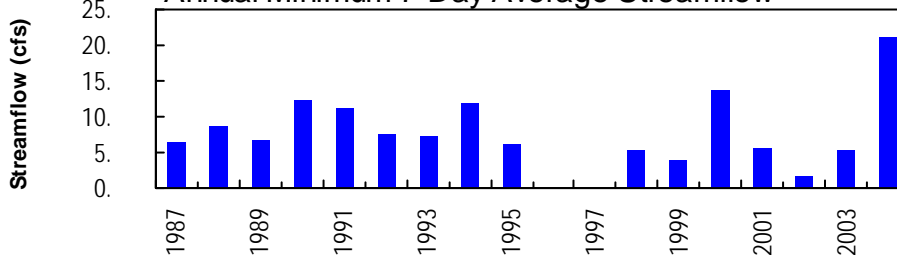
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1987 – 2004



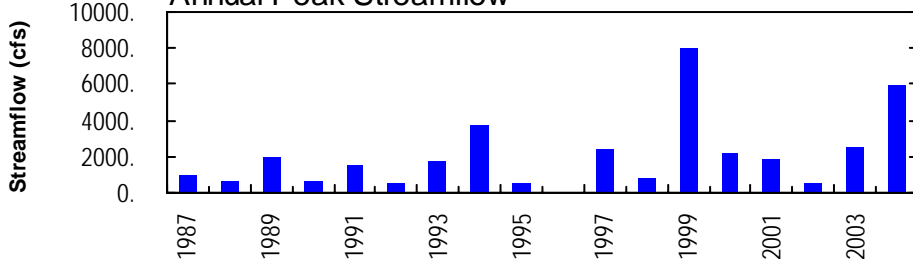
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



Looking downstream
01476480-Ridley Creek at Media

RIDLEY CREEK BASIN

01476480 RIDLEY CREEK AT MEDIA, PA

LOCATION.--Lat 39°54'58", long 75°24'13", Delaware County, Hydrologic Unit 02040202, on right bank 400 ft downstream from bridge on U.S. Highway 1 (Baltimore Pike) at Media.

DRAINAGE AREA.--30.5 mi².

PERIOD OF RECORD.--October 1986 to September 1995, October 1995 to December 1996 (fragmentary), January 1997 to current year.

REVISED RECORDS.--WDR PA-94-1: 1987, 1991, 1992 adjusted monthly and yearly summaries.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 110 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Diversion during entire period of record by Aqua Pennsylvania Water Company (formerly Philadelphia Suburban Water Company). Satellite telemetry at station.

COOPERATION.--Records of diversion provided by Aqua Pennsylvania Water Company.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Oct. 27	1915	835	5.77	July 12	1615	1,120	6.35
Oct. 29	1000	761	5.61	July 28	0615	1,100	6.30
Nov. 20	0215	840	5.78	Aug. 1	1645	1,280	6.65
Dec. 11	1045	1,050	6.21	Sept. 18	1815	1,650	7.28
Feb. 6	1915	1,650	7.28	Sept. 29	0115	*5,940	*12.80

**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	33	59	52	61	e32	41	63	58	49	23	625	31
2	35	53	47	62	e33	44	69	57	45	23	101	27
3	33	49	44	60	140	43	145	112	38	22	66	25
4	34	45	44	60	187	52	152	105	33	21	61	24
5	35	58	51	93	72	46	104	66	48	20	70	25
6	32	119	54	74	674	130	64	61	76	18	50	24
7	31	82	47	56	357	73	56	60	42	23	46	23
8	31	53	45	52	110	57	53	58	35	31	44	25
9	30	46	44	52	71	54	57	53	32	20	41	38
10	30	45	80	e44	76	48	48	101	32	19	40	27
11	29	44	647	e46	72	44	46	60	51	17	39	23
12	28	94	117	49	57	41	59	53	40	396	41	21
13	27	55	78	50	56	38	225	50	30	178	70	22
14	31	44	176	e45	54	37	166	49	35	52	43	21
15	224	42	214	e43	51	38	132	48	98	82	43	21
16	36	41	90	e41	45	51	75	51	118	39	39	24
17	33	41	244	44	43	64	67	47	119	33	35	24
18	41	39	128	69	44	62	60	48	59	100	34	758
19	32	143	87	59	45	140	57	60	40	90	33	116
20	31	350	78	46	45	100	55	61	34	44	32	51
21	31	76	71	42	49	77	53	48	31	35	51	41
22	29	61	70	42	46	54	52	44	30	31	46	36
23	27	55	68	e37	43	47	71	42	30	40	33	32
24	25	52	287	39	43	46	120	39	27	52	30	31
25	24	57	122	e34	43	49	58	37	27	34	29	31
26	25	48	83	40	40	46	163	40	49	31	27	29
27	474	46	76	39	41	45	174	40	27	86	27	30
28	217	77	70	39	41	43	77	39	25	479	27	669
29	465	168	67	36	41	40	66	34	40	70	25	1510
30	103	59	67	35	---	41	61	33	27	53	45	122
31	70	---	62	e31	---	72	---	39	---	49	76	---
TOTAL	2326	2201	3410	1520	2651	1763	2648	1693	1367	2211	1969	3881
MEAN	75.0	73.4	110	49.0	91.4	56.9	88.3	54.6	45.6	71.3	63.5	129
MAX	474	350	647	93	674	140	225	112	119	479	625	1510
MIN	24	39	44	31	32	37	46	33	25	17	25	21
(†)	1.4	4.4	4.6	4.1	4.4	4.4	4.7	4.5	4.0	4.0	3.7	3.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	23.4	34.8	44.7	49.7	51.9	72.6	55.0	46.2	40.2	33.3	26.6	38.2						
MAX	75.0	73.4	110	82.7	91.4	164	108	87.8	126	89.6	63.5	147						
(WY)	2004	2004	2004	1990	2004	1994	1993	1989	2003	1989	2004	1999						
MIN	6.24	10.0	8.14	20.3	12.1	30.6	19.4	23.1	11.7	6.42	5.45	8.42						
(WY)	2002	2002	1999	2002	2002	2002	2002	1999	1999	2002	2002	1998						

† Diversion for municipal supply, equivalent in cubic feet per second.
e Estimated.

RIDLEY CREEK BASIN

01476480 RIDLEY CREEK AT MEDIA, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	26184		27640			
ANNUAL MEAN	71.7		75.5		42.9	
HIGHEST ANNUAL MEAN					75.5 2004	
LOWEST ANNUAL MEAN					15.2 2002	
HIGHEST DAILY MEAN	693	Jun 20	1510	Sep 29	2860	Sep 16 1999
LOWEST DAILY MEAN	16	Jan 28, Feb 16	17	Jul 11	0.57	Aug 17 2002
ANNUAL SEVEN-DAY MINIMUM	20	Jan 22	21	Jul 5	1.6	Aug 14 2002
MAXIMUM PEAK FLOW			a5940	Sep 29	a8000	Sep 16 1999
MAXIMUM PEAK STAGE			12.80	Sep 29	b15.10	Sep 16 1999
10 PERCENT EXCEEDS	134		119		75	
50 PERCENT EXCEEDS	45		46		28	
90 PERCENT EXCEEDS	25		27		9.7	

a From rating curve extended above 1,600 ft³/s on basis of slope-area measurement of peak flow at gage height 15.10 ft.

b From floodmark.