



2005 Water Year  
TURTLE CREEK BASIN  
03084800 Thompson Run at Turtle Creek, PA

Latitude: 40° 24 ' 19"

Longitude: 079° 49 ' 41"

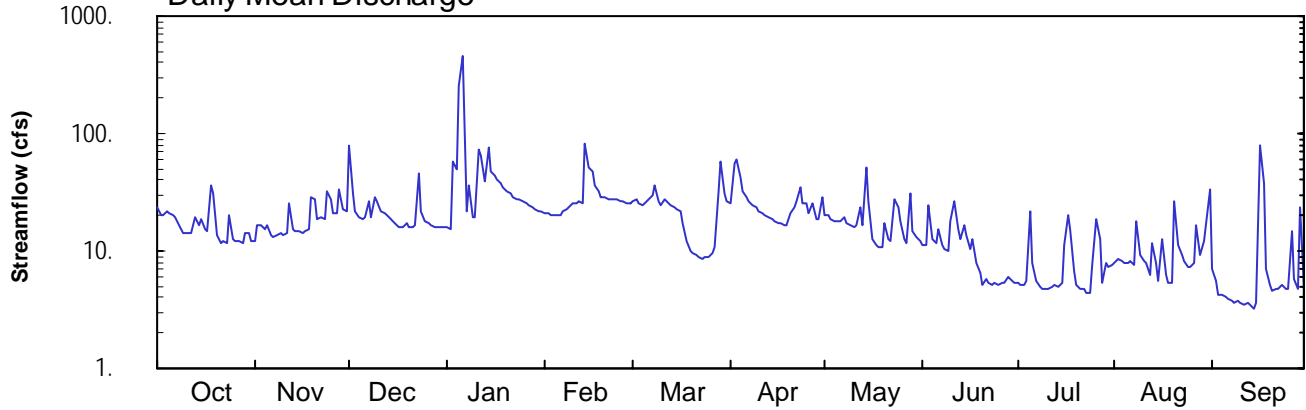
Hydrologic Unit Code: 05020005

Allegheny County

Datum: feet

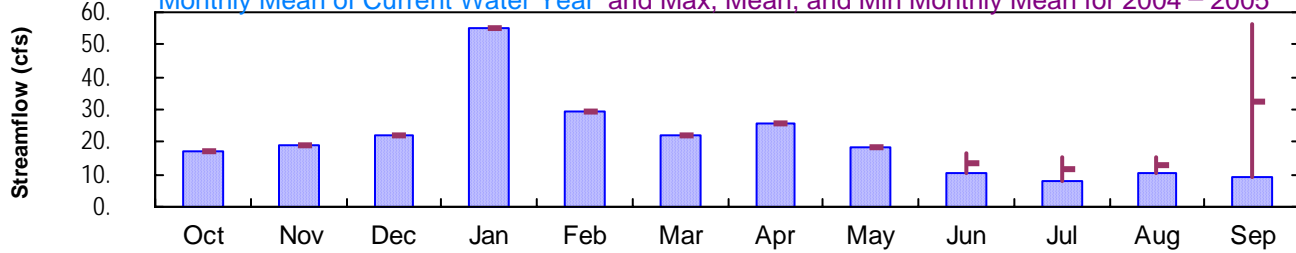
Drainage Area: 18. mi<sup>2</sup>

### Daily Mean Discharge



### Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 – 2005



NO PHOTOS AVAILABLE FOR THIS SITE

## TURTLE CREEK BASIN

03084800 THOMPSON RUN AT TURTLE CREEK, PA  
(Fecal-Indicator Bacteria Project)

**LOCATION.**--Lat 40°24'19", long 79°49'41", Allegheny County, Hydrologic Unit 05020005, at bridge at intersection of Tri-Boro Expressway (Rt. 130), Thompson Street, and Larimer Avenue, and 1,400 ft upstream of mouth.

**DRAINAGE AREA.**--18.0 mi<sup>2</sup>.

**PERIOD OF RECORD.**--May 2004 to current year.

**GAGE.**--Non-recording gage June 11, 1979 to Aug. 15, 1981. Water-stage recorder May 2004 to current year. Datum of gage is 746 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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	---	---	---	---	---	---	---	---	14	12	13	9.8
2	---	---	---	---	---	---	---	---	15	12	12	9.2
3	---	---	---	---	---	---	---	---	17	11	19	9.3
4	---	---	---	---	---	---	---	---	11	11	33	9.6
5	---	---	---	---	---	---	---	---	15	12	28	8.9
6	---	---	---	---	---	---	---	---	12	11	15	9.0
7	---	---	---	---	---	---	---	---	11	18	13	44
8	---	---	---	---	---	---	---	---	11	16	12	184
9	---	---	---	---	---	---	---	---	11	14	11	138
10	---	---	---	---	---	---	---	---	13	12	8.7	38
11	---	---	---	---	---	---	---	---	23	25	8.6	28
12	---	---	---	---	---	---	---	e13	13	19	11	23
13	---	---	---	---	---	---	---	13	12	15	9.5	21
14	---	---	---	---	---	---	---	12	33	13	8.7	20
15	---	---	---	---	---	---	---	13	28	12	8.4	19
16	---	---	---	---	---	---	---	12	28	12	8.2	19
17	---	---	---	---	---	---	---	12	35	14	8.0	641
18	---	---	---	---	---	---	---	26	25	16	8.5	152
19	---	---	---	---	---	---	---	e20	16	13	28	20
20	---	---	---	---	---	---	---	13	14	12	33	17
21	---	---	---	---	---	---	---	42	13	11	35	20
22	---	---	---	---	---	---	---	38	26	11	14	24
23	---	---	---	---	---	---	---	18	15	11	11	27
24	---	---	---	---	---	---	---	15	13	11	10	30
25	---	---	---	---	---	---	---	19	13	11	10	30
26	---	---	---	---	---	---	---	19	13	53	12	28
27	---	---	---	---	---	---	---	15	12	26	10	26
28	---	---	---	---	---	---	---	17	15	16	19	27
29	---	---	---	---	---	---	---	14	13	13	23	24
30	---	---	---	---	---	---	---	13	12	12	16	28
31	---	---	---	---	---	---	---	16	---	20	11	---
TOTAL	---	---	---	---	---	---	---	---	502	475	467.6	1683.8
MEAN	---	---	---	---	---	---	---	---	16.7	15.3	15.1	56.1
MAX	---	---	---	---	---	---	---	---	35	53	35	641
MIN	---	---	---	---	---	---	---	---	11	11	8.0	8.9
CFSM	---	---	---	---	---	---	---	---	0.93	0.85	0.84	3.12
IN.	---	---	---	---	---	---	---	---	1.04	0.98	0.97	3.48

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

MEAN	---	---	---	---	---	---	---	---	16.7	15.3	15.1	56.1
MAX	---	---	---	---	---	---	---	---	16.7	15.3	15.1	56.1
(WY)	---	---	---	---	---	---	---	---	2004	2004	2004	2004
MIN	---	---	---	---	---	---	---	---	16.7	15.3	15.1	56.1
(WY)	---	---	---	---	---	---	---	---	2004	2004	2004	2004

e Estimated.

## TURTLE CREEK BASIN

## 03084800 THOMPSON RUN AT TURTLE CREEK, PA--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	12	81	16	e21	e26	26	20	11	5.4	7.9	7.1
2	21	17	31	15	e21	27	56	20	11	5.1	8.5	5.6
3	20	17	22	57	20	25	60	19	24	5.1	8.1	4.3
4	21	15	20	49	20	24	43	18	13	5.5	7.8	4.3
5	21	17	19	251	20	25	32	18	12	22	8.0	4.1
6	20	14	19	458	21	28	29	18	15	7.8	8.2	3.9
7	19	13	26	22	22	30	27	19	11	5.5	7.6	3.8
8	17	13	19	36	e23	36	25	17	10	5.0	18	3.6
9	14	14	29	19	e25	27	23	17	10	4.8	9.2	3.7
10	14	14	27	20	e25	25	22	16	18	4.7	8.1	3.6
11	14	14	22	74	e25	28	21	16	27	4.8	7.9	3.4
12	14	25	21	66	e26	27	20	24	16	4.9	6.2	3.6
13	20	16	20	39	26	25	19	16	13	5.1	12	3.5
14	17	15	19	75	83	23	18	51	16	5.0	8.0	3.2
15	19	15	18	48	52	23	18	26	14	5.3	5.5	3.6
16	16	14	16	e44	48	22	17	13	10	11	13	e80
17	15	15	16	e40	36	17	17	11	13	20	6.3	e38
18	36	15	16	e37	32	12	17	11	7.8	16	5.3	e7.0
19	31	28	17	e35	29	e10	17	11	6.6	6.8	5.4	e5.1
20	14	28	16	e33	e29	e9.7	21	17	5.1	5.1	26	4.6
21	12	19	16	e31	e28	e9.2	24	13	5.8	4.8	11	4.7
22	12	19	17	e29	e28	e9.0	27	12	5.3	4.7	9.4	4.7
23	12	18	46	e28	e28	e8.5	34	28	5.2	4.5	8.3	5.2
24	20	32	22	e27	e27	e9.0	26	24	5.3	4.4	7.4	4.8
25	12	28	18	e26	27	e9.0	25	18	5.2	7.5	7.3	4.7
26	12	21	17	e25	e27	e9.5	21	13	5.3	19	7.9	15
27	12	21	16	e25	e26	e11	26	12	5.3	13	16	5.7
28	12	33	16	e23	e26	e33	18	31	6.0	5.3	9.4	4.7
29	14	22	16	e23	---	58	19	15	5.7	7.9	12	23
30	14	22	16	e22	---	31	28	13	5.4	7.4	17	5.1
31	12	---	16	e22	---	27	---	12	---	7.7	33	---
TOTAL	531	566	690	1715	821	683.9	776	569	318.0	241.1	325.7	273.6
MEAN	17.1	18.9	22.3	55.3	29.3	22.1	25.9	18.4	10.6	7.78	10.5	9.12
MAX	36	33	81	458	83	58	60	51	27	22	33	80
MIN	12	12	16	15	20	8.5	17	11	5.1	4.4	5.3	3.2
CFSM	0.95	1.05	1.24	3.08	1.63	1.23	1.44	1.02	0.59	0.43	0.58	0.51
IN.	1.10	1.17	1.43	3.55	1.70	1.41	1.61	1.18	0.66	0.50	0.67	0.57

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	17.1	18.9	22.3	55.3	29.3	22.1	25.9	18.4	13.7	11.6	12.8	32.6
MAX	17.1	18.9	22.3	55.3	29.3	22.1	25.9	18.4	16.7	15.3	15.1	56.1
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2004	2004	2004	2004
MIN	17.1	18.9	22.3	55.3	29.3	22.1	25.9	18.4	10.6	7.78	10.5	9.12
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005

e Estimated.

TURTLE CREEK BASIN

03084800 THOMPSON RUN AT TURTLE CREEK, PA--Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	7510.3			
ANNUAL MEAN	20.6		20.6	
HIGHEST ANNUAL MEAN			20.6	2005
LOWEST ANNUAL MEAN			20.6	2005
HIGHEST DAILY MEAN	458	Jan 6	641	Sep 17 2004
LOWEST DAILY MEAN	3.2	Sep 14	3.2	Sep 14 2005
ANNUAL SEVEN-DAY MINIMUM	3.5	Sep 8	3.5	Sep 8 2005
MAXIMUM PEAK FLOW	1030	Jan 6	a3170	Sep 17 2004
MAXIMUM PEAK STAGE	5.37	Jan 6	8.23	Sep 17 2004
INSTANTANEOUS LOW FLOW	1.7	Aug 13	1.7	Aug 13 2005
ANNUAL RUNOFF (CFSM)	1.14		1.14	
ANNUAL RUNOFF (INCHES)	15.54		15.55	
10 PERCENT EXCEEDS	32		32	
50 PERCENT EXCEEDS	17		17	
90 PERCENT EXCEEDS	5.2		5.2	

a From rating curve extended above 2,600 ft<sup>3</sup>/s.

