

LEHIGH RIVER BASIN

01451800 JORDAN CREEK NEAR SCHNECKSVILLE, PA

LOCATION.--Lat 40°39'42", long 75°37'38", Lehigh County, Hydrologic Unit 02040106, on left bank 54 ft downstream from wooden covered bridge at Trexler-Lehigh County Game Preserve, 1.0 mi downstream from Mill Creek, and 1.1 mi southwest of Schnecksville.

DRAINAGE AREA.--53.0 mi².

PERIOD OF RECORD.--February 1966 to current year.

REVISED RECORDS.--WDR PA-90-1: 1989.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 381.16 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 2, 1973, nonrecording gage at bridge 54 ft upstream at same datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	1315	2,420	7.39	Mar. 28	2345	2,480	7.47
Dec. 1	1315	1,150	5.50	Apr. 3	0030	*3,320	*8.52
Jan. 14	1430	1,210	5.60				

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	322	61	739	85	e40	67	255	71	17	8.9	5.4	6.1
2	229	57	620	71	e40	56	1040	52	16	11	5.2	4.7
3	173	54	386	69	e40	52	2380	50	17	8.5	5.7	3.7
4	136	71	272	93	45	51	865	47	26	7.1	4.8	3.3
5	110	95	206	82	45	51	445	44	19	7.0	4.1	3.0
6	93	69	162	270	47	49	305	41	19	11	4.0	2.6
7	84	66	177	315	50	62	231	41	34	9.5	4.2	2.5
8	72	62	165	458	53	142	217	37	20	58	9.4	2.3
9	64	57	137	506	64	151	155	35	16	28	19	2.3
10	59	53	327	359	91	135	131	34	16	16	9.2	2.1
11	52	52	427	269	88	109	113	33	19	12	7.1	1.8
12	48	105	349	275	63	104	99	30	34	11	5.9	1.7
13	46	101	269	224	56	99	89	27	20	19	5.1	1.7
14	66	82	200	817	75	97	78	28	18	20	4.6	1.6
15	75	80	155	713	279	94	67	47	16	13	4.4	2.5
16	122	79	130	e400	226	94	60	37	15	12	4.5	3.3
17	79	74	116	e280	199	93	56	29	15	15	5.5	17
18	66	70	100	e175	163	91	52	26	14	31	4.7	6.9
19	148	64	93	e115	143	88	49	25	13	16	4.5	4.4
20	135	62	e75	e80	123	90	47	34	13	12	6.2	3.6
21	132	70	e70	e50	115	90	43	34	12	9.6	5.8	3.5
22	134	57	e75	e35	101	84	41	26	11	8.9	4.2	3.2
23	108	54	237	e35	95	155	74	24	10	8.1	3.3	3.0
24	99	65	283	e30	84	309	151	23	9.3	7.1	2.9	2.8
25	90	160	212	e30	78	325	71	24	9.0	11	2.6	2.5
26	81	125	e170	e35	72	276	59	23	8.5	11	2.5	3.2
27	73	121	e140	e30	65	220	71	21	8.8	8.2	2.7	5.2
28	64	1350	e110	e30	59	805	58	21	11	8.7	6.8	4.2
29	59	823	108	e30	---	1450	51	28	9.4	7.1	9.9	3.7
30	99	416	97	e35	---	569	64	21	9.7	6.3	6.6	3.4
31	75	---	90	e35	---	349	---	19	---	5.7	5.8	---
TOTAL	3193	4655	6697	6031	2599	6407	7417	1032	475.7	417.7	176.6	111.8
MEAN	103	155	216	195	92.8	207	247	33.3	15.9	13.5	5.70	3.73
MAX	322	1350	739	817	279	1450	2380	71	34	58	19	17
MIN	46	52	70	30	40	49	41	19	8.5	5.7	2.5	1.6
CFSM	1.94	2.93	4.08	3.67	1.75	3.90	4.66	0.63	0.30	0.25	0.11	0.07
IN.	2.24	3.27	4.70	4.23	1.82	4.50	5.21	0.72	0.33	0.29	0.12	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	64.3	95.7	131	120	123	162	130	92.5	71.0	42.4	36.8	55.9
MAX	220	270	397	404	295	479	391	353	346	129	160	343
(WY)	1997	1971	1997	1979	1971	1994	1983	1989	1972	2004	2004	1987
MIN	8.37	12.4	12.0	6.85	35.2	41.3	31.0	31.5	9.18	1.68	3.36	3.69
(WY)	1973	2002	1999	1981	1980	1985	1985	1995	1966	1966	2002	1980

e Estimated.

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01451800 JORDAN CREEK NEAR SCHNECKSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	44453.2		39212.8		94.2	
ANNUAL MEAN	121		107		159	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					1985	
HIGHEST DAILY MEAN	2280	Sep 18	2380	Apr 3	2800	Sep 9 1987
LOWEST DAILY MEAN	9.2	Jul 11	1.6	Sep 14	0.54	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	12	Jul 5	1.9	Sep 8	0.63	Aug 2 1999
MAXIMUM PEAK FLOW			a3420	Apr 3	a7100	Jun 22 1972
MAXIMUM PEAK STAGE			8.63	Apr 3	b12.32	Jun 22 1972
INSTANTANEOUS LOW FLOW			1.6	Sep 12-14	0.48	Aug 6 1999
ANNUAL RUNOFF (CFSM)	2.29		2.03		1.78	
ANNUAL RUNOFF (INCHES)	31.20		27.52		24.16	
10 PERCENT EXCEEDS	218		269		210	
50 PERCENT EXCEEDS	74		52		49	
90 PERCENT EXCEEDS	30		4.5		11	

a From rating curve extended above 2,010 ft³/s on basis of contracted-opening measurement of peak flow.
 b From floodmark.

