

LEHIGH RIVER BASIN

01447500 LEHIGH RIVER AT STODDARTSVILLE, PA

LOCATION.--Lat 41°07'49", long 75°37'33", Monroe County, Hydrologic Unit 02040106, on left bank 75 ft upstream from bridge on State Highway 115, at Stoddartsville, 1.9 mi upstream from Tobyhanna Creek, and 4.0 mi southwest of Thornhurst.

DRAINAGE AREA.--91.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year.

REVISED RECORDS.--WSP 1382: 1947, 1951.

GAGE.--Water-stage recorder. Datum of gage is 1,463.81 ft above sea level. Prior to Oct. 1, 1946, nonrecording gage at site 350 ft downstream at datum 2.14 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 1942, reached a stage of 12.03 ft, from floodmark, present site and datum, discharge, 15,700 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	1700	*2,560	*5.15	Sept. 17	0230	2,180	4.69

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	30	54	e47	e250	180	208	114	76	41	18	27
2	18	28	51	e49	336	181	223	109	72	35	18	23
3	18	28	47	e70	412	169	211	104	69	34	14	14
4	21	30	45	e94	351	554	201	102	67	30	13	11
5	21	28	43	e110	305	434	191	104	61	27	13	14
6	19	27	46	e64	267	331	170	104	56	25	16	22
7	18	25	45	e62	244	273	158	100	54	22	14	30
8	84	24	44	e60	239	e220	147	117	52	20	14	30
9	133	24	51	e80	216	e210	170	119	48	18	15	19
10	244	25	49	e74	203	194	238	106	46	20	14	17
11	171	58	44	e70	194	e170	197	96	46	22	13	15
12	112	67	41	e68	211	e160	199	89	43	21	12	13
13	81	55	39	e66	284	e150	183	84	41	19	14	12
14	125	49	38	e72	236	150	158	79	41	18	66	11
15	119	42	e37	e82	e200	163	146	76	46	17	37	15
16	89	38	e36	e76	193	151	150	72	43	17	25	464
17	71	36	37	e72	198	165	184	69	45	17	20	1640
18	60	35	37	e200	214	220	171	66	71	16	19	590
19	52	33	36	e600	210	220	156	138	58	16	15	296
20	46	32	35	e450	188	188	156	180	48	18	16	207
21	40	35	35	349	169	178	165	123	42	17	19	209
22	38	35	e47	374	146	438	155	102	37	19	17	272
23	41	33	e50	430	e140	374	165	107	33	20	16	230
24	44	33	e46	1800	e130	336	225	159	36	18	15	175
25	37	37	e50	1570	e120	335	185	207	32	20	14	142
26	33	64	e50	841	122	298	169	153	30	19	16	118
27	46	93	e47	563	116	270	149	130	28	15	20	97
28	30	78	e45	458	123	269	137	112	29	25	18	89
29	37	67	e44	403	---	266	128	100	50	75	15	83
30	38	60	e48	330	---	241	119	90	52	31	14	251
31	33	---	e48	284	---	219	---	82	---	22	12	---
TOTAL	1937	1249	1365	9868	6017	7707	5214	3393	1452	734	562	5136
MEAN	62.5	41.6	44.0	318	215	249	174	109	48.4	23.7	18.1	171
MAX	244	93	54	1800	412	554	238	207	76	75	66	1640
MIN	18	24	35	47	116	150	119	66	28	15	12	11
CFSM	.68	.45	.48	3.47	2.34	2.71	1.90	1.19	.53	.26	.20	1.87
IN.	.79	.51	.55	4.00	2.44	3.13	2.12	1.38	.59	.30	.23	2.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	119	181	214	199	200	305	357	253	155	108	90.1	86.7
MAX	613	439	561	665	709	577	867	604	655	528	1101	511
(WY)	1956	1973	1974	1996	1981	1977	1993	1989	1972	1947	1955	1987
MIN	14.1	17.1	35.5	18.3	62.2	131	135	92.9	43.0	19.8	14.2	9.18
(WY)	1964	1965	1981	1981	1980	1989	1995	1995	1962	1965	1964	1964

e Estimated.

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01447500 LEHIGH RIVER AT STODDARTSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1944 - 1999	
ANNUAL TOTAL	63633		44634			
ANNUAL MEAN	174		122		189	
HIGHEST ANNUAL MEAN					268	1973
LOWEST ANNUAL MEAN					86.2	1965
HIGHEST DAILY MEAN	1260	Mar 10	1800	Jan 24	18900	Aug 19 1955
LOWEST DAILY MEAN	18	Oct 1-3, 7	11	Sep 4, 14	7.0	Sep 26 1964
ANNUAL SEVEN-DAY MINIMUM	19	Oct 1	14	Aug 7	7.4	Sep 21 1964
INSTANTANEOUS PEAK FLOW			2560	Jan 24	a 31900	Aug 19 1955
INSTANTANEOUS PEAK STAGE			5.15	Jan 24	b 16.37	Aug 19 1955
INSTANTANEOUS LOW FLOW					7.0	Sep 26 1964
ANNUAL RUNOFF (CFSM)	1.90		1.33		2.06	
ANNUAL RUNOFF (INCHES)	25.81		18.11		27.99	
10 PERCENT EXCEEDS	417		257		390	
50 PERCENT EXCEEDS	95		64		128	
90 PERCENT EXCEEDS	25		17		32	

- a** From rating curve extended above 1,700 ft³/s on basis of slope-area measurement of peak flow.
- b** From floodmark.

