

CONESTOGA RIVER BASIN

01576540 MILL CREEK AT ESHELMAN MILL ROAD NEAR LYNDON, PA

LOCATION.--Lat 40°00'36", long 76°16'39", Lancaster County, Hydrologic Unit 02050306, on right bank 200 ft downstream from bridge on Eshelman Mill Road (Township Route 476), 0.8 mi east of Lyndon, 2.2 mi southeast of Lancaster, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--54.2 mi².

PERIOD OF RECORD.--September 1992 to March 31, 1999 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 250 ft above sea level, from topographic map.

REMARKS.--Records poor. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Recorded stage of 31.82 ft, Sept. 16, 1999, discharge about 7,200 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 18	1700	*3,990	*28.69	No other peak greater than base discharge.			

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	24	21	21	e19	35	63	---	---	---	---	---	---
2	25	21	21	e18	72	46	---	---	---	---	---	---
3	25	21	21	e79	59	43	---	---	---	---	---	---
4	35	21	20	e46	46	82	---	---	---	---	---	---
5	33	21	15	31	41	61	---	---	---	---	---	---
6	29	21	17	e27	39	55	---	---	---	---	---	---
7	28	21	16	e25	38	55	---	---	---	---	---	---
8	171	22	17	e24	43	47	---	---	---	---	---	---
9	95	22	19	106	41	48	---	---	---	---	---	---
10	168	22	17	e65	37	46	---	---	---	---	---	---
11	36	24	17	e28	35	45	---	---	---	---	---	---
12	27	26	17	30	44	44	---	---	---	---	---	---
13	25	22	17	43	67	44	---	---	---	---	---	---
14	23	24	16	e32	45	45	---	---	---	---	---	---
15	22	24	16	210	41	56	---	---	---	---	---	---
16	21	21	16	e78	40	62	---	---	---	---	---	---
17	21	21	16	e75	41	60	---	---	---	---	---	---
18	21	21	16	1730	74	56	---	---	---	---	---	---
19	21	21	15	186	61	51	---	---	---	---	---	---
20	21	21	16	57	49	50	---	---	---	---	---	---
21	21	24	16	50	45	64	---	---	---	---	---	---
22	21	22	19	55	42	209	---	---	---	---	---	---
23	21	21	e18	47	e40	80	---	---	---	---	---	---
24	21	21	e15	138	e37	67	---	---	---	---	---	---
25	21	23	e16	83	e36	62	---	---	---	---	---	---
26	21	34	e18	56	e36	57	---	---	---	---	---	---
27	21	32	e17	49	e35	55	---	---	---	---	---	---
28	21	22	e17	45	e46	55	---	---	---	---	---	---
29	21	21	e19	41	---	52	---	---	---	---	---	---
30	21	21	e21	39	---	47	---	---	---	---	---	---
31	21	---	e18	36	---	45	---	---	---	---	---	---
TOTAL	1102	679	540	3548	1265	1852	---	---	---	---	---	---
MEAN	35.5	22.6	17.4	114	45.2	59.7	---	---	---	---	---	---
MAX	171	34	21	1730	74	209	---	---	---	---	---	---
MIN	21	21	15	18	35	43	---	---	---	---	---	---
CFSM	.66	.42	.32	2.11	.83	1.10	---	---	---	---	---	---
IN.	.76	.47	.37	2.44	.87	1.27	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

MEAN	56.2	66.1	87.1	109	78.3	135	108	79.4	62.0	58.4	44.0	39.8
MAX	172	169	252	221	133	334	192	111	91.0	93.8	87.4	74.0
(WY)	1997	1997	1997	1996	1994	1994	1993	1993	1996	1996	1996	1994
MIN	18.6	22.6	16.2	44.6	39.7	59.7	50.0	50.8	42.7	30.1	18.1	17.7
(WY)	1998	1999	1998	1993	1993	1999	1995	1995	1995	1997	1997	1997

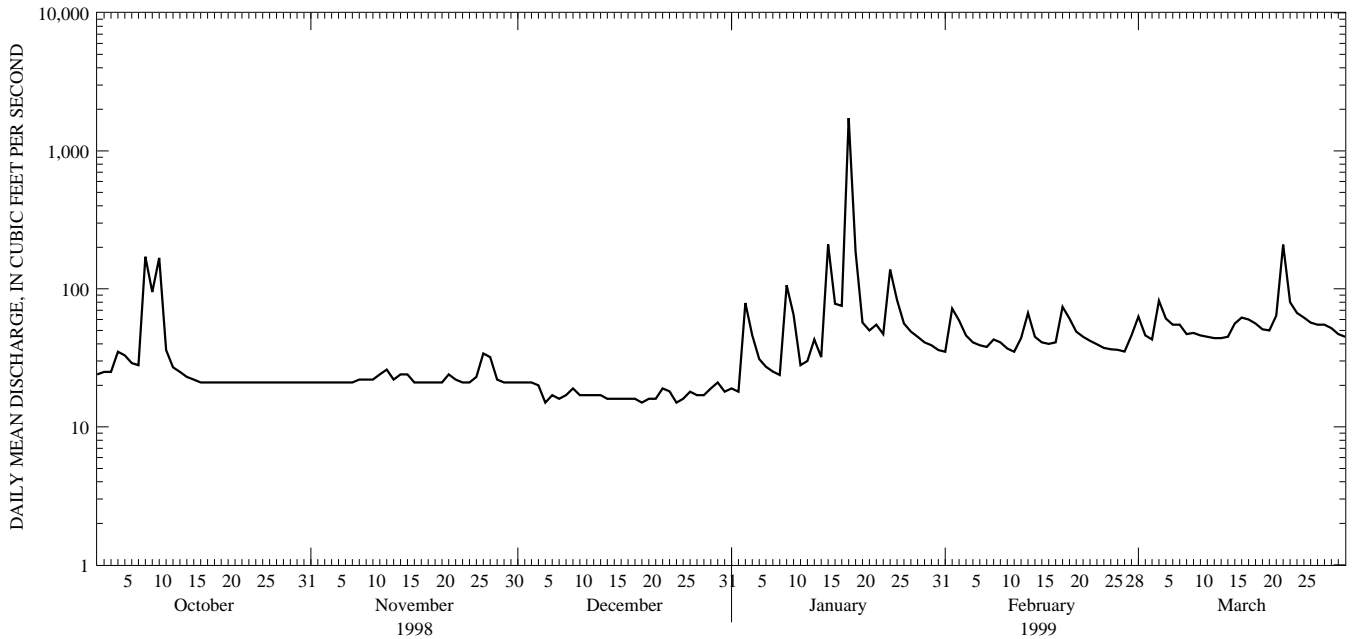
e Estimated.

CONESTOGA RIVER BASIN

01576540 MILL CREEK AT ESHELMAN MILL ROAD NEAR LYNDON, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	19894			
ANNUAL MEAN	54.5		80.5	
HIGHEST ANNUAL MEAN			114	1994
LOWEST ANNUAL MEAN			53.1	1998
HIGHEST DAILY MEAN	426	Mar 21	2450	Jan 19 1996
LOWEST DAILY MEAN	e15	Jan 1	5.6	Jul 17 1993
ANNUAL SEVEN-DAY MINIMUM	16	Dec 14	13	Oct 3 1997
INSTANTANEOUS PEAK FLOW			a5600	Jan 19 1996
INSTANTANEOUS PEAK STAGE			30.21	Jan 19 1996
INSTANTANEOUS LOW FLOW			4.9	Jul 17 1993
ANNUAL RUNOFF (CFSM)	1.01		1.49	
ANNUAL RUNOFF (INCHES)	13.65		20.19	
10 PERCENT EXCEEDS	99		129	
50 PERCENT EXCEEDS	42		51	
90 PERCENT EXCEEDS	21		21	

a From rating curve extended above 600 ft³/s.
 e Estimated.



OCTOBER 1, 1998 TO MARCH 31, 1999