

CONESTOGA RIVER BASIN

01576712 LITTLE CONESTOGA CREEK NEAR MILLERSVILLE, PA

LOCATION.--Lat 40°01'15", long 76°21'33", Lancaster County, Hydrologic Unit 02050306, on right bank, 150 ft downstream from highway bridge on State Route 741, 7.9 mi upstream from confluence with Conestoga River, and 2.0 mi north of Millersville.

DRAINAGE AREA.--42.3 mi².

PERIOD OF RECORD.--January 2003 to September 2005. (Discontinued)

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 270 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	0830	610	8.53	Apr. 2	2015	*824	*9.78
Jan. 14	1045	736	9.29	June 6	2245	719	9.19
Mar. 23	1845	521	8.00	June 29	2200	550	8.18
Mar. 28	1815	681	8.97	July 8	0900	777	9.52

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	86	41	154	46	52	59	113	60	27	29	26	13
2	79	37	100	44	49	57	461	51	25	26	25	12
3	77	34	87	45	47	53	353	50	28	23	24	11
4	67	85	74	47	48	52	177	49	31	23	24	11
5	63	67	68	83	47	51	149	47	27	27	21	11
6	62	62	65	94	49	52	131	46	150	60	22	11
7	62	58	86	67	52	57	118	45	145	36	22	10
8	59	46	78	114	52	75	133	43	56	375	33	9.6
9	55	44	87	83	55	60	104	43	46	89	32	9.6
10	53	43	181	75	58	53	98	38	38	61	25	9.8
11	49	42	151	80	52	63	87	39	35	52	20	9.0
12	43	72	108	83	48	63	83	37	34	46	20	9.0
13	43	64	97	73	46	58	79	35	32	43	20	10
14	82	51	83	396	65	51	78	34	28	41	19	10
15	53	46	81	156	83	49	70	36	26	45	18	12
16	60	42	71	127	70	47	70	50	25	46	26	11
17	51	39	71	111	65	46	65	36	25	102	23	22
18	45	40	69	95	59	49	61	33	24	63	19	12
19	78	37	58	88	56	44	62	32	23	48	18	11
20	51	55	59	86	54	47	62	43	e22	43	19	9.7
21	54	56	62	79	61	47	58	36	e21	45	18	9.0
22	65	42	52	74	57	43	56	34	e22	47	16	9.1
23	54	43	128	69	58	217	111	33	24	48	16	9.1
24	52	43	95	67	54	134	101	33	19	46	15	8.9
25	51	49	61	64	56	92	64	30	18	69	14	9.0
26	49	41	56	61	55	80	59	29	18	40	12	9.6
27	49	40	52	58	56	77	58	28	19	34	13	10
28	46	267	57	56	55	309	54	34	20	29	17	8.5
29	40	90	55	52	---	232	52	31	101	29	14	8.3
30	66	73	49	54	---	145	67	28	85	26	13	8.5
31	39	---	47	51	---	125	---	30	---	26	13	---
TOTAL	1783	1749	2542	2678	1559	2587	3234	1193	1194	1717	617	313.7
MEAN	57.5	58.3	82.0	86.4	55.7	83.5	108	38.5	39.8	55.4	19.9	10.5
MAX	86	267	181	396	83	309	461	60	150	375	33	22
MIN	39	34	47	44	46	43	52	28	18	23	12	8.3
CFSM	1.36	1.38	1.94	2.04	1.32	1.97	2.55	0.91	0.94	1.31	0.47	0.25
IN.	1.57	1.54	2.24	2.36	1.37	2.28	2.84	1.05	1.05	1.51	0.54	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	66.0	72.5	99.8	71.2	75.6	90.1	90.7	51.3	77.5	55.4	52.6	59.5
MAX	74.5	86.8	118	86.4	102	130	108	58.1	110	59.5	95.2	93.7
(WY)	2004	2004	2004	2005	2004	2003	2005	2004	2003	2004	2004	2003
MIN	57.5	58.3	82.0	56.0	55.7	57.1	81.3	38.5	39.8	51.4	19.9	10.5
(WY)	2005	2005	2005	2004	2005	2004	2003	2005	2005	2003	2005	2005

e Estimated.

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	26328		21166.7			
ANNUAL MEAN	71.9		58.0		68.4	
HIGHEST ANNUAL MEAN					78.7	2004
LOWEST ANNUAL MEAN					58.0	2005
HIGHEST DAILY MEAN	590	Aug 13	461	Apr 2	744	Sep 23 2003
LOWEST DAILY MEAN	30	Sep 14	8.3	Sep 29	8.3	Sep 29 2005
ANNUAL SEVEN-DAY MINIMUM	31	Sep 11	9.0	Sep 24	9.0	Sep 24 2005
MAXIMUM PEAK FLOW			824	Apr 2	1290	Sep 23 2003
MAXIMUM PEAK STAGE			9.78	Apr 2	12.14	Sep 23 2003
INSTANTANEOUS LOW FLOW			7.0	Sep 28	7.0	Sep 28 2005
ANNUAL RUNOFF (CFSM)	1.70		1.37		1.62	
ANNUAL RUNOFF (INCHES)	23.16		18.62		21.97	
10 PERCENT EXCEEDS	99		96		108	
50 PERCENT EXCEEDS	57		49		55	
90 PERCENT EXCEEDS	39		16		25	

