

**03287580 NORTH ELKHORN CREEK AT MAN O' WAR BOULEVARD NEAR CADENTOWN, KY**

Kentucky Basin  
Lower Kentucky Subbasin

LOCATION.--Lat 38°01'42", long 84°24'07" referenced to North American Datum of 1927, Fayette County, KY, Hydrologic Unit 05100205, on right bank, 75 feet downstream of culvert on Man O'War Boulevard, 0.7 miles northeast of intersection with I-75, 1.6 miles southeast of intersection of US 60 (Winchester Road), 1.8 miles northeast of Cadentown, and at mile 90.3.

DRAINAGE AREA.--2.2 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1997 to August 2005 (published as North Elkhorn Creek at "Bryant Road" near Cadentown), April 2006 to June 11, 2012.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 940.84 feet above NGVD of 1929.

COOPERATION.--Lexington-Fayette County Urban Government.

REMARKS.--Records fair except for those estimated and for discharges less than 1.0 ft<sup>3</sup>/s, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Oct 26	1905	54	2.40
Nov 22	1125	67	2.71
Nov 28	0650	74	2.86
Nov 29	0110	67	2.70
Dec 5	1850	62	2.59
Jan 17	1430	*151	*4.36
Jan 23	0630	80	2.98
Jan 26	2330	97	3.34
Mar 8	1910	57	2.48

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.7	1.9	7.8	2.7	3.1	7.6	0.47	0.09	0.05	---	---	---
2	1.6	1.8	5.1	2.3	2.5	9.3	0.51	0.10	0.05	---	---	---
3	1.5	3.5	3.7	2.1	2.2	9.4	0.46	0.09	0.07	---	---	---
4	1.5	6.4	3.0	2.0	6.1	5.5	0.49	0.10	0.03	---	---	---
5	1.3	3.5	25	2.0	6.3	5.5	0.51	0.84	0.03	---	---	---
6	1.3	2.6	29	2.0	4.6	5.8	0.35	0.46	0.02	---	---	---
7	1.5	2.2	14	1.8	3.5	6.1	0.25	0.26	0.02	---	---	---
8	1.7	2.0	7.6	1.7	2.9	17	0.25	0.63	0.02	---	---	---
9	1.6	2.0	5.0	1.7	2.5	18	0.18	0.26	0.01	---	---	---
10	0.65	1.9	3.3	1.6	2.2	8.8	0.14	0.13	0.01	---	---	---
11	0.48	1.8	2.5	9.7	2.0	5.8	0.14	0.08	---	---	---	---
12	0.32	1.8	2.1	6.1	1.8	5.0	0.12	0.10	---	---	---	---
13	1.7	1.9	2.0	3.7	1.8	4.1	0.11	4.3	---	---	---	---
14	2.7	2.2	1.9	2.8	2.6	2.9	0.11	3.2	---	---	---	---
15	2.0	4.9	3.6	2.4	2.4	2.6	0.10	1.3	---	---	---	---
16	1.7	21	2.8	2.3	4.1	2.9	0.08	0.62	---	---	---	---
17	1.5	10	2.2	25	3.2	2.6	0.10	0.37	---	---	---	---
18	2.7	5.7	2.0	14	2.6	3.5	0.13	0.23	---	---	---	---
19	19	3.5	1.9	6.9	2.2	2.7	0.11	0.16	---	---	---	---
20	12	6.5	1.9	4.4	2.0	2.4	0.07	0.11	---	---	---	---
21	4.3	14	1.9	3.3	2.0	2.2	0.56	0.14	---	---	---	---
22	2.0	31	2.9	2.6	2.0	2.1	0.43	0.45	---	---	---	---
23	1.6	17	3.2	22	1.9	2.4	0.26	0.30	---	---	---	---
24	1.4	8.1	2.4	9.4	4.7	2.4	0.20	0.17	---	---	---	---
25	1.6	4.9	2.1	5.5	2.5	2.0	0.23	0.09	---	---	---	---
26	11	3.3	1.9	10	2.3	1.7	0.24	0.05	---	---	---	---
27	22	9.7	14	23	2.2	1.6	0.15	0.04	---	---	---	---
28	11	51	9.6	9.5	2.1	1.6	0.13	0.02	---	---	---	---
29	5.9	33	6.4	5.7	11	1.4	0.11	0.02	---	---	---	---
30	3.5	14	4.7	4.0	---	0.62	0.10	0.02	---	---	---	---
31	2.4	---	3.3	3.2	---	0.43	---	0.02	---	---	---	---
<b>Total</b>	125.15	273.1	178.8	195.4	91.3	145.95	7.09	14.75	---	---	---	---
<b>Mean</b>	4.04	9.10	5.77	6.30	3.15	4.71	0.24	0.48	---	---	---	---
<b>Max</b>	22	51	29	25	11	18	0.56	4.3	---	---	---	---
<b>Min</b>	0.32	1.8	1.9	1.6	1.8	0.43	0.07	0.02	---	---	---	---
<b>Cfsm</b>	1.84	4.14	2.62	2.87	1.43	2.14	0.11	0.22	---	---	---	---
<b>In.</b>	2.12	4.62	3.02	3.30	1.54	2.47	0.12	0.25	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.96	2.85	3.82	4.12	5.23	4.84	4.49	3.86	1.70	1.74	1.03	1.96
<b>Max</b>	7.21	9.10	9.95	6.37	12.7	10.6	17.8	12.3	7.61	6.20	5.58	7.24
<b>(WY)</b>	(2007)	(2012)	(2008)	(2005)	(2003)	(2008)	(2011)	(2003)	(1998)	(1998)	(2004)	(2006)
<b>Min</b>	0.00	0.00	0.07	0.25	0.48	1.97	0.24	0.20	0.03	0.02	0.00	0.00
<b>(WY)</b>	(2000)	(2000)	(2000)	(2000)	(2002)	(2010)	(2012)	(1999)	(1999)	(1999)	(1999)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2011	Water Years 1998 - 2012
<b>Annual total</b>	2,060.77	
<b>Annual mean</b>	5.65	3.09
<b>Highest annual mean</b>		5.05 2003
<b>Lowest annual mean</b>		0.83 2000
<b>Highest daily mean</b>	101 Apr 12	133 May 2, 2010
<b>Lowest daily mean</b>	0.00 Aug 29	0.00 Oct 1, 1997
<b>Annual seven-day minimum</b>	0.00 Aug 28	0.00 Oct 1, 1997
<b>Maximum peak flow</b>		312 Sep 23, 2006
<b>Maximum peak stage</b>		6.06 Sep 23, 2006
<b>Instantaneous low flow</b>		0.00 Jul 1, 2001
<b>Annual runoff (cfs)</b>	2.57	1.40
<b>Annual runoff (inches)</b>	34.85	19.05
<b>10 percent exceeds</b>	14	7.2
<b>50 percent exceeds</b>	2.0	0.92
<b>90 percent exceeds</b>	0.08	0.00

