

03288200 CANE RUN AT BEREA ROAD NEAR DONERAIL, KY

Kentucky Basin
Lower Kentucky Subbasin

LOCATION.--Lat 38°08'19", long 84°31'02" referenced to North American Datum of 1927, Fayette County, KY, Hydrologic Unit 05100205, on right bank, on upstream side of bridge on Berea Road, 0.2 miles southwest of Ironworks Road (Hwy 1973), 0.8 miles northeast of Georgetown Road (U.S. Hwy 25), 1.0 mile southeast of Donerail, and 9.0 miles upstream from North Elkhorn Creek.

DRAINAGE AREA.--19.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1999 to June 18, 2012.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 847.863 feet above NGVD of 1929.

COOPERATION.--Lexington-Fayette Urban County Government.

REMARKS.--Records fair except for those estimated, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 22	1410	414	5.56
Nov 28	1415	*501	*6.24
Nov 29	0340	430	5.94
Dec 6	0115	310	5.35
Jan 17	1730	264	5.10
Jan 23	0825	231	4.93
Jan 27	0205	241	4.72
Mar 18	0340	214	4.64

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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	0.00	0.00	45	4.2	2.7	22	0.00	0.00	0.00	---	---	---
2	0.00	0.00	25	2.0	32	23	0.00	0.00	0.00	---	---	---
3	0.00	0.45	14	0.32	13	22	0.00	0.00	0.00	---	---	---
4	0.00	6.2	8.3	0.00	21	11	0.00	0.00	0.00	---	---	---
5	0.00	1.6	87	0.00	20	11	0.00	0.00	0.00	---	---	---
6	0.00	0.52	182	0.00	14	12	0.00	0.00	0.00	---	---	---
7	0.00	0.01	66	0.00	9.5	13	0.00	0.00	0.00	---	---	---
8	0.00	0.00	33	0.00	6.1	48	0.00	6.4	0.00	---	---	---
9	0.00	0.00	18	0.00	3.8	60	0.00	0.00	0.00	---	---	---
10	0.00	0.00	9.2	0.00	1.4	30	0.00	0.00	0.00	---	---	---
11	0.00	0.00	4.8	11	0.11	16	0.00	0.00	0.00	---	---	---
12	0.00	0.00	2.1	8.5	0.00	10	0.00	0.00	0.00	---	---	---
13	0.00	0.00	0.57	5.3	0.00	5.4	0.00	4.9	0.00	---	---	---
14	0.00	0.00	0.00	3.6	0.00	1.1	0.00	1.3	0.00	---	---	---
15	0.00	0.00	0.81	2.1	0.00	0.00	0.00	0.00	0.00	---	---	---
16	0.00	20	0.17	0.71	1.4	0.12	0.00	0.00	0.00	---	---	---
17	0.00	16	0.00	49	0.11	0.00	0.00	0.00	0.00	---	---	---
18	0.00	5.6	0.00	38	0.00	43	0.00	0.00	---	---	---	---
19	40	2.0	0.00	21	0.00	13	0.00	0.00	---	---	---	---
20	33	3.6	0.00	12	0.00	6.1	0.00	0.00	---	---	---	---
21	16	15	0.49	7.2	0.00	1.6	0.00	0.00	---	---	---	---
22	5.1	165	0.95	4.3	0.00	0.02	0.00	0.00	---	---	---	---
23	1.2	106	6.7	65	0.00	1.7	0.00	0.00	---	---	---	---
24	0.01	37	5.7	32	8.4	1.6	0.00	0.00	---	---	---	---
25	0.00	16	4.5	19	2.0	0.00	0.00	0.00	---	---	---	---
26	0.00	6.9	2.4	13	0.62	0.00	0.00	0.00	---	---	---	---
27	32	30	56	62	0.00	0.00	0.00	0.00	---	---	---	---
28	17	346	44	20	0.00	0.00	0.00	0.00	---	---	---	---
29	7.2	249	24	12	34	0.00	0.00	0.00	---	---	---	---
30	2.8	88	13	7.4	---	0.00	0.00	0.00	---	---	---	---
31	0.45	---	6.9	4.3	---	0.00	---	0.00	---	---	---	---
Total	154.76	1,114.88	660.59	403.93	170.14	351.64	0.00	12.60	---	---	---	---
Mean	4.99	37.2	21.3	13.0	5.87	11.3	0.00	0.41	---	---	---	---
Max	40	346	182	65	34	60	0.00	6.4	---	---	---	---
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
Cfsm	0.25	1.87	1.07	0.65	0.29	0.57	0.00	0.02	---	---	---	---
In.	0.29	2.08	1.23	0.76	0.32	0.66	0.00	0.02	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.46	8.80	10.3	9.16	12.5	14.0	14.1	15.5	2.84	4.12	2.83	5.31
Max	26.9	37.2	37.8	17.5	40.0	50.3	90.0	70.8	16.2	18.9	14.8	38.1
(WY)	(2007)	(2012)	(2008)	(2005)	(2008)	(2002)	(2011)	(2004)	(2004)	(2004)	(2009)	(2006)
Min	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.03	0.00	0.00	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2010)	(2012)	(2000)	(2005)	(2002)	(2002)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Years 2000 - 2012	
Annual total	7,823.69			
Annual mean	21.4		8.79	
Highest annual mean			16.4	2008
Lowest annual mean			1.99	2000
Highest daily mean	718	Apr 12	1,180	May 31, 2004
Lowest daily mean	0.00	Jan 5	0.00	Oct 1, 1999
Annual seven-day minimum	0.00	Jan 5	0.00	Oct 1, 1999
Maximum peak flow			3,420	May 30, 2004
Maximum peak stage			10.43	Apr 4, 2008
Instantaneous low flow			0.00	Oct 1, 2001
Annual runoff (cfsm)	1.08		0.442	
Annual runoff (inches)	14.63		6.00	
10 percent exceeds	54		19	
50 percent exceeds	0.13		0.00	
90 percent exceeds	0.00		0.00	

