

03284530 EAST HICKMAN CREEK AT DELONG ROAD NEAR EAST HICKMAN, KY

Kentucky Basin
Lower Kentucky Subbasin

LOCATION.--Lat 37°56'59", long 84°27'19" referenced to North American Datum of 1927, Fayette County, KY, Hydrologic Unit 05100205, on right bank, downstream side of bridge on DeLong Road, 1.0 mile north of intersection with Walnut Hill Road, 1.6 miles south of intersection with Armstrong Mill Road, 2.0 miles north of East Hickman, and 7.6 miles upstream from Hickman Creek.

DRAINAGE AREA.--15.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to June 12, 2012.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 913.491 feet above NGVD of 1929.

COOPERATION.--Lexington-Fayette Urban County Government.

REMARKS.--Records good except for those estimated and for discharges less than 1.0 ft³/s, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 29	0130	*337	*3.88

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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	1.6	6.6	49	9.4	9.9	18	4.8	3.4	3.6	---	---	---
2	1.4	5.0	25	7.2	9.9	18	4.4	3.0	2.6	---	---	---
3	1.2	8.7	14	5.9	7.5	14	3.8	2.7	1.5	---	---	---
4	1.1	17	11	6.0	15	11	5.2	2.4	1.2	---	---	---
5	0.98	12	102	6.5	18	12	5.8	9.4	2.4	---	---	---
6	0.90	9.0	206	5.6	15	12	3.9	2.7	2.5	---	---	---
7	0.89	7.2	90	4.9	12	14	3.5	1.9	0.84	---	---	---
8	0.87	5.9	49	4.3	9.6	44	3.7	4.6	0.61	---	---	---
9	0.91	5.2	27	4.0	8.2	49	3.4	1.8	0.45	---	---	---
10	1.0	4.3	15	3.8	7.2	27	3.2	1.4	0.43	---	---	---
11	1.1	3.7	10	27	6.4	18	3.0	1.2	0.97	---	---	---
12	1.1	3.4	8.4	20	5.1	15	3.5	1.2	---	---	---	---
13	2.4	3.3	7.3	15	4.8	12	3.6	21	---	---	---	---
14	3.0	3.4	6.4	12	7.0	9.2	3.3	45	---	---	---	---
15	1.6	6.6	12	9.7	6.0	7.7	4.0	30	---	---	---	---
16	1.5	57	9.4	9.4	10	9.5	3.7	20	---	---	---	---
17	1.7	37	8.2	32	10	7.4	3.7	17	---	---	---	---
18	4.7	19	7.4	38	9.3	14	3.8	11	---	---	---	---
19	46	13	6.7	24	8.2	8.2	4.6	11	---	---	---	---
20	36	22	6.2	16	7.0	7.4	4.3	11	---	---	---	---
21	20	37	6.3	12	6.6	6.7	9.8	10	---	---	---	---
22	11	93	9.0	9.0	6.5	6.9	4.8	9.4	---	---	---	---
23	7.7	55	11	91	6.5	7.1	4.3	8.7	---	---	---	---
24	5.7	30	8.9	55	15	7.2	4.2	7.7	---	---	---	---
25	4.5	19	8.2	26	9.0	5.5	6.7	5.7	---	---	---	---
26	18	13	7.3	39	8.0	4.7	4.7	2.9	---	---	---	---
27	43	27	56	143	7.2	4.0	3.5	1.9	---	---	---	---
28	27	191	40	54	6.5	4.2	3.3	1.4	---	---	---	---
29	17	222	25	25	22	4.0	3.2	1.2	---	---	---	---
30	11	95	18	14	---	3.7	3.1	1.1	---	---	---	---
31	8.5	---	13	11	---	3.5	---	0.79	---	---	---	---
Total	283.35	1,031.3	872.7	739.7	273.4	384.9	126.8	252.49	---	---	---	---
Mean	9.14	34.4	28.2	23.9	9.43	12.4	4.23	8.14	---	---	---	---
Max	46	222	206	143	22	49	9.8	45	---	---	---	---
Min	0.87	3.3	6.2	3.8	4.8	3.5	3.0	0.79	---	---	---	---
Cfsm	0.61	2.28	1.86	1.58	0.62	0.82	0.28	0.54	---	---	---	---
In.	0.70	2.54	2.15	1.82	0.67	0.95	0.31	0.62	---	---	---	---

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
Mean	10.4	15.3	20.9	22.1	30.3	25.5	26.1	28.4	13.2	12.0	8.62	16.5
Max	38.5	60.3	55.0	40.8	83.2	55.6	116	91.3	48.3	38.8	29.9	64.7
(WY)	(2007)	(2004)	(2008)	(2004)	(2003)	(2011)	(2011)	(2010)	(2003)	(2010)	(2004)	(2009)
Min	0.24	1.25	1.70	3.94	9.43	2.93	4.23	1.86	1.24	1.29	0.09	0.18
(WY)	(2009)	(1999)	(2000)	(2000)	(2012)	(2010)	(2012)	(2000)	(1999)	(2008)	(1999)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2011	Water Years 1998 - 2012
Annual total	10,648.99	
Annual mean	29.2	19.3
Highest annual mean		35.9 2003
Lowest annual mean		9.86 1999
Highest daily mean	724 Apr 12	1,260 Sep 26, 2009
Lowest daily mean	0.53 Sep 3	0.00 Aug 1, 1999
Annual seven-day minimum	0.59 Aug 28	0.00 Aug 17, 1999
Maximum peak flow		2,570 Sep 26, 2009
Maximum peak stage		8.23 May 2, 2010
Instantaneous low flow		0.00 Sep 13, 2002
Annual runoff (cfs)	1.93	1.28
Annual runoff (inches)	26.23	17.39
10 percent exceeds	69	44
50 percent exceeds	6.6	4.8
90 percent exceeds	1.1	0.48

