

Water-Data Report 2011

**03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY**

Lower Ohio-Salt Basin  
Silver-Little Kentucky Subbasin

LOCATION.--Lat 38°18'45", long 85°37'33" referenced to North American Datum of 1927, Jefferson County, KY, Hydrologic Unit 05140101, at downstream side of culvert on U.S. Highway 42, 1.1 miles south of Harrods Creek, and at mile 2.0.

DRAINAGE AREA.--5.8 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--December 1998 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 459.93 feet above NGVD of 1988.

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer District.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 430 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb 25	0000	626	6.64
Mar 9	0500	437	6.12
Apr 12	0445	631	6.66
Apr 23	1730	*797	*7.30
Apr 27	0600	650	6.74
Jun 22	2315	751	7.13
Sep 26	0215	599	6.53

## 03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

[e, estimated; &amp;, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.12	0.68	20	20	15	29	4.2	35	e6.9	4.3	0.94	0.27
2	0.08	0.48	12	12	16	20	5.0	85	e5.2	e3.5	0.85	0.18
3	0.17	0.47	9.8	9.3	9.8	15	4.2	192	3.9	e3.0	0.84	0.11
4	0.43	0.47	8.5	7.7	8.0	13	23	49	3.5	e2.7	0.84	0.07
5	0.22	0.42	7.2	6.3	9.0	39	17	32	3.3	e2.9	0.76	2.5
6	0.20	0.43	5.4	5.1	7.6	29	12	24	3.1	e4.3	0.66	1.1
7	0.20	0.30	4.5	4.1	8.2	19	10	17	2.8	2.6	7.0	1.3
8	0.19	0.30	e3.2	3.5	8.3	17	8.8	13	2.5	4.3	3.4	1.2
9	0.18	0.29	e2.7	e2.1	6.9	236	16	9.9	2.3	3.5	2.6	1.6
10	0.17	0.31	e2.5	e1.8	e5.5	57	12	8.4	2.3	2.6	2.5	1.1
11	0.16	0.32	3.0	e1.7	e5.6	30	59	7.3	4.0	2.0	1.8	9.6
12	0.14	0.25	6.8	e1.6	4.8	22	268	6.3	3.2	2.4	1.3	9.7
13	2.2	0.22	5.4	e1.5	4.1	18	44	5.8	2.6	4.2	13	2.4
14	4.3	0.84	e3.6	e1.5	3.7	17	28	5.4	2.1	2.7	6.2	1.6
15	1.0	1.1	e2.9	2.1	3.2	19	25	5.3	11	2.1	3.4	4.0
16	0.60	5.2	e4.1	2.1	3.0	16	26	6.0	5.8	1.7	2.7	1.8
17	0.48	3.8	4.7	2.0	2.9	14	19	5.0	4.2	2.4	2.1	1.3
18	0.50	1.6	4.1	4.1	2.7	13	16	5.2	6.8	2.2	1.6	1.1
19	0.38	1.0	3.8	4.9	2.4	12	13	4.9	9.0	1.5	1.3	8.8
20	0.31	0.69	3.6	4.3	2.3	10	30	4.2	9.1	3.7	1.1	4.2
21	0.25	0.59	3.9	e3.4	3.1	9.2	17	3.9	23	2.3	0.78	2.7
22	0.19	0.23	4.5	e3.0	4.1	8.1	16	4.8	82	1.8	0.60	2.1
23	0.18	1.8	4.1	e2.7	3.0	7.3	310	24	129	1.5	0.48	13
24	0.17	5.5	3.8	&3.0	50	6.4	132	23	20	1.3	0.42	4.6
25	0.16	92	3.7	3.3	147	5.8	100	12	13	1.2	0.40	3.0
26	2.8	42	3.5	3.6	28	5.4	60	77	12	1.1	0.40	153
27	2.2	16	3.1	3.5	19	5.1	294	e30	9.2	0.98	0.48	13
28	1.3	11	e2.5	3.5	56	4.8	68	e18	6.8	0.91	0.53	7.3
29	0.84	8.1	e2.6	3.4	---	4.5	39	e14	5.4	0.94	0.48	5.3
30	0.44	63	9.3	3.1	---	4.5	28	e11	4.8	1.1	0.32	4.4
31	0.54	---	8.0	2.9	---	4.3	---	e8.0	---	1.1	0.28	---
<b>Total</b>	21.10	259.39	166.8	133.1	439.2	710.4	1,704.2	746.4	398.8	72.83	60.06	262.33
<b>Mean</b>	0.68	8.65	5.38	4.29	15.7	22.9	56.8	24.1	13.3	2.35	1.94	8.74
<b>Max</b>	4.3	92	20	20	147	236	310	192	129	4.3	13	153
<b>Min</b>	0.08	0.22	2.5	1.5	2.3	4.3	4.2	3.9	2.1	0.91	0.28	0.07
<b>Cfsm</b>	0.12	1.49	0.93	0.74	2.70	3.95	9.79	4.15	2.29	0.41	0.33	1.51
<b>In.</b>	0.14	1.66	1.07	0.85	2.82	4.56	10.93	4.79	2.56	0.47	0.39	1.68

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	9.86	10.3	17.1	16.8	16.8	16.0	18.1	17.1	8.80	8.17	6.44	8.38
<b>Max</b>	30.1	19.6	47.7	35.2	34.8	43.9	56.8	33.9	14.9	23.4	25.8	26.7
(WY)	(2008)	(2004)	(2008)	(2005)	(2008)	(2008)	(2011)	(2008)	(2002)	(2001)	(2009)	(2006)
<b>Min</b>	0.68	3.06	4.99	2.06	6.58	4.14	2.38	2.85	1.77	1.77	0.41	0.59
(WY)	(2011)	(2000)	(2006)	(2001)	(2006)	(2010)	(2001)	(2007)	(2007)	(1999)	(1999)	(2010)

**03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1999 - 2011</b>	
<b>Annual total</b>	2,521.41	4,974.61		
<b>Annual mean</b>	6.91	13.6	13.0	
<b>Highest annual mean</b>			22.8	2008
<b>Lowest annual mean</b>			7.96	2001
<b>Highest daily mean</b>	237 May 2	310 Apr 23	412 Sep 23, 2006	
<b>Lowest daily mean</b>	0.08 Oct 2	0.07 Sep 4	0.00 Aug 31, 1999	
<b>Annual seven-day minimum</b>	0.15 Sep 26	0.18 Oct 6	0.00 Aug 31, 1999	
<b>Maximum peak flow</b>		797 Apr 23	810 Sep 22, 2006	
<b>Maximum peak stage</b>		7.30 Apr 23	8.05 Sep 22, 2006	
<b>Instantaneous low flow</b>		0.05 Oct 2	0.05 Sep 26, 2010	
<b>Annual runoff (cfsm)</b>	1.19	2.35	2.25	
<b>Annual runoff (inches)</b>	16.17	31.91	30.54	
<b>10 percent exceeds</b>	13	27	29	
<b>50 percent exceeds</b>	3.6	4.0	5.0	
<b>90 percent exceeds</b>	0.32	0.43	0.88	

