

Water-Data Report 2011

03292475 GOOSE CREEK AT HIGHWAY 42 AT GLENVIEW ACRES, KY

Lower Ohio-Salt Basin
Silver-Little Kentucky Subbasin

LOCATION.--Lat 38°18'12", long 85°37'41" referenced to North American Datum of 1927, Jefferson County, KY, Hydrologic Unit 05140101, on downstream side of culvert on U.S. Highway 42, 0.5 miles northeast of Glenview Acres, 1.7 miles upstream of Little Goose Creek, and at mile 2.1.

DRAINAGE AREA.--10.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1999 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 430.06 feet above NGVD of 1929.

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 500 ft³/s and (or) maximum (*):

[B, value is affected by backwater at the measurement site]

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 24	2345	598	5.76
Apr 12	0445	620	5.82
Apr 23	unknown	*unknown	B7.26
Apr 27	1215	unknown	B10.84
Jun 22	2130	1,120	6.90
Sep 26	0200	573	5.69

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.07	0.92	21	22	16	63	16	e89	8.0	3.9	1.5	0.94
2	0.09	0.80	13	13	22	53	17	e147	7.0	3.8	1.4	0.85
3	0.19	0.68	10	e10	13	36	16	e283	6.1	3.5	1.4	0.83
4	0.28	0.56	8.3	e8.2	10	30	37	e132	5.0	3.5	1.4	1.0
5	0.27	0.52	7.1	e7.3	10	60	31	e76	4.5	3.5	1.4	2.0
6	0.29	0.50	e5.4	e9.5	9.2	54	23	64	4.4	5.7	1.3	1.8
7	0.30	0.42	e4.3	e6.0	9.2	42	20	45	4.1	3.5	8.3	1.9
8	0.35	0.40	e3.5	e4.6	10	36	18	37	3.8	4.6	3.9	2.2
9	0.31	0.42	e2.9	e3.3	e7.7	e274	29	28	3.6	4.0	3.1	2.5
10	0.28	0.53	e2.6	e3.1	e6.8	e143	25	25	3.4	3.6	3.3	2.4
11	0.26	0.42	e3.4	e3.2	e6.5	e106	68	21	4.7	3.3	2.6	4.6
12	0.30	0.30	6.7	e2.9	e5.9	e82	312	18	3.8	3.3	2.2	4.2
13	1.9	0.26	e5.1	e3.0	e5.4	e69	e76	15	3.5	4.5	13	2.0
14	3.3	0.35	e3.8	e2.6	5.7	e56	e47	15	3.3	3.5	5.1	1.8
15	1.3	0.32	e3.4	e2.7	5.2	e48	e35	14	14	3.0	2.2	2.4
16	0.92	6.0	e4.2	e2.6	5.3	e42	e37	14	5.8	2.8	1.7	2.3
17	0.82	9.1	e4.4	e2.8	4.8	e36	e28	12	3.8	3.6	1.4	1.9
18	0.80	2.8	e4.0	e4.1	4.7	e30	e25	12	5.7	3.4	1.3	1.9
19	0.66	1.5	e3.6	e5.3	4.2	27	e24	12	7.3	2.6	1.3	4.7
20	0.60	1.4	e4.1	e4.7	4.1	24	e38	9.8	9.0	4.1	1.3	3.3
21	0.56	0.89	4.9	e4.6	4.9	23	e24	9.5	28	3.0	1.2	2.5
22	0.54	0.59	5.5	e3.7	6.2	21	e24	11	110	2.6	1.2	2.2
23	0.49	5.3	5.4	e3.8	5.2	19	e364	49	135	2.3	1.1	7.4
24	0.46	13	5.2	e3.8	47	18	e221	39	20	2.2	1.2	3.7
25	0.44	81	e4.7	e4.1	156	17	e176	18	11	2.1	1.3	2.8
26	2.2	50	e4.6	e4.5	61	18	e125	106	10	2.0	1.2	113
27	4.4	14	e4.1	e4.7	56	18	e435	28	9.1	1.9	1.2	7.8
28	1.8	9.0	e3.3	e4.5	90	17	e170	18	7.2	1.7	1.1	3.7
29	1.3	7.1	e3.0	e4.7	---	17	e100	13	6.0	1.6	1.0	2.7
30	1.0	67	9.7	e4.3	---	16	e78	11	5.0	1.6	0.97	2.1
31	0.98	---	8.8	4.2	---	16	---	9.1	---	1.5	0.95	---
Total	27.46	276.08	180.0	167.8	592.0	1,511	2,639	1,380.4	452.1	96.2	71.52	193.42
Mean	0.89	9.20	5.81	5.41	21.1	48.7	88.0	44.5	15.1	3.10	2.31	6.45
Max	4.4	81	21	22	156	274	435	283	135	5.7	13	113
Min	0.07	0.26	2.6	2.6	4.1	16	16	9.1	3.3	1.5	0.95	0.83
Cfsm	0.09	0.91	0.57	0.54	2.09	4.83	8.71	4.41	1.49	0.31	0.23	0.64
In.	0.10	1.02	0.66	0.62	2.18	5.57	9.72	5.08	1.67	0.35	0.26	0.71

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
Mean	8.85	11.1	15.3	15.6	19.2	23.9	23.1	22.2	9.47	7.09	6.21	9.72
Max	21.8	18.8	34.1	35.0	41.5	73.8	88.0	49.5	20.4	18.0	25.4	36.1
(WY)	(2002)	(2005)	(2003)	(2005)	(2000)	(2008)	(2011)	(2003)	(2003)	(2004)	(2009)	(2006)
Min	0.89	3.92	5.45	1.99	9.19	8.67	6.85	2.83	1.95	1.64	0.71	0.51
(WY)	(2011)	(2008)	(2006)	(2001)	(2006)	(2009)	(2001)	(2007)	(2007)	(2002)	(2002)	(2010)

03292475 GOOSE CREEK AT HIGHWAY 42 AT GLENVIEW ACRES, KY—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011	Water Years 1999 - 2011	
Annual total	3,705.10	7,586.98		
Annual mean	10.2	20.8	14.3	
Highest annual mean			21.8	2003
Lowest annual mean			8.28	2001
Highest daily mean	303	May 2	435	Apr 27
Lowest daily mean	0.07	Oct 1	0.07	Oct 1
Annual seven-day minimum	0.13	Sep 26	0.21	Oct 1
Maximum peak flow			unknown	Apr 23
Maximum peak stage		B10.84	Apr 27	B10.84
Annual runoff (cfsm)	1.01	2.06	1.42	
Annual runoff (inches)	13.65	27.94	19.29	
10 percent exceeds	21	53	29	
50 percent exceeds	5.8	4.6	6.9	
90 percent exceeds	0.49	0.83	1.3	

