

Water-Data Report 2007

03295702 BULLSKIN CREEK NEAR SIMPSONVILLE, KY

Lower Ohio-Salt Basin
Salt Subbasin

LOCATION.--Lat 38°13'07", long 85°18'07" referenced to North American Datum of 1927, Shelby County, KY, Hydrologic Unit 05140102, at center span on the downstream side of bridge on Highway 60, 2.6 miles east of Simpsonville, 2.6 miles below Fox Run, and at mile 21.7.

DRAINAGE AREA.--54.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1998 to Sept 30, 2007. (discontinued because of loss of funding)

GAGE.--Water-stage recorder with telemetry. Datum of gage is 671.98 feet above NGVD of 1929.

COOPERATION.--City of Simpsonville.

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

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	83	102	65	432	e30	336	93	31	0.10	0.11	0.00	0.00
2	62	108	58	150	e28	586	85	26	0.08	0.05	0.00	0.00
3	48	86	44	106	e25	156	74	27	15	0.00	0.00	0.00
4	41	73	38	88	e23	98	291	33	2.0	0.00	0.00	0.00
5	35	62	35	127	e22	77	118	68	0.77	29	0.00	0.00
6	31	53	33	123	22	62	85	46	20	6.9	0.00	0.00
7	26	61	29	167	22	56	67	33	3.1	1.4	0.00	0.00
8	23	66	22	205	21	47	53	27	0.88	0.44	0.00	0.00
9	20	57	20	129	19	43	46	21	0.45	0.22	0.00	0.00
10	18	50	20	92	16	40	42	18	0.28	0.12	0.00	0.00
11	17	47	20	78	e15	36	41	14	0.20	0.09	0.00	0.00
12	16	43	20	70	e15	32	50	12	0.13	0.04	0.00	0.00
13	15	39	25	266	939	31	37	8.6	0.08	0.05	0.00	0.00
14	14	37	21	1,170	361	53	300	6.2	0.06	0.04	0.00	0.00
15	13	302	18	809	e93	307	301	4.8	0.03	0.00	0.00	0.00
16	14	505	16	347	e68	131	132	5.9	0.00	0.00	0.00	0.00
17	318	195	15	167	50	84	91	6.5	0.00	0.00	0.00	0.00
18	184	124	15	121	49	65	73	4.7	0.00	0.00	0.00	0.00
19	123	89	13	93	46	66	59	3.5	0.09	0.03	0.00	0.00
20	190	71	12	74	45	123	48	2.3	0.53	0.07	0.00	0.00
21	146	56	15	104	57	97	42	1.7	0.20	0.03	0.00	0.00
22	109	48	72	121	52	80	38	1.2	0.09	0.02	0.00	0.00
23	84	43	116	95	42	71	34	0.80	0.07	0.00	0.00	0.00
24	68	38	81	82	58	60	35	0.58	0.09	0.00	0.00	0.00
25	57	34	181	71	708	50	32	0.43	0.08	0.00	0.00	0.00
26	51	31	438	60	180	45	56	0.35	0.06	0.00	0.00	0.00
27	258	28	169	e52	111	41	93	0.27	0.04	0.00	0.00	0.00
28	1,090	26	113	47	83	76	57	0.22	0.04	0.10	0.00	0.00
29	233	25	86	40	---	100	44	0.17	0.29	0.07	0.00	0.00
30	129	25	72	37	---	72	37	0.15	0.22	0.04	0.00	0.00
31	97	---	423	e32	---	63	---	0.11	---	0.01	0.00	---
Total	3,613	2,524	2,305	5,555	3,200	3,184	2,554	404.48	44.96	38.83	0.00	0.00
Mean	117	84.1	74.4	179	114	103	85.1	13.0	1.50	1.25	0.00	0.00
Max	1,090	505	438	1,170	939	586	301	68	20	29	0.00	0.00
Min	13	25	12	32	15	31	32	0.11	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	39.6	80.1	107	155	141	128	85.0	111	61.0	25.2	13.4	43.7
Max	152	231	210	292	316	296	142	385	293	122	87.9	214
(WY)	(2003)	(2005)	(2005)	(2005)	(2000)	(2002)	(2003)	(2004)	(1998)	(2004)	(2003)	(2006)
Min	0.00	0.18	3.74	44.3	43.4	54.2	28.4	2.61	1.50	0.13	0.00	0.00
(WY)	(2000)	(2000)	(2006)	(2001)	(2006)	(2003)	(1999)	(1999)	(2007)	(2005)	(1999)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1998 - 2007	
Annual total	30,556.88		23,423.27			
Annual mean	83.7		64.2		80.2	
Highest annual mean					133	2003
Lowest annual mean					31.9	1999
Highest daily mean	4,740	Sep 23	1,170	Jan 14	4,740	Sep 23, 2006
Lowest daily mean	0.39	Aug 8	0.00	Jun 16	0.00	Aug 25, 1998
Annual seven-day minimum	0.60	Sep 2	0.00	Aug 1	0.00	Sep 5, 1998
Maximum peak flow			2,310	Feb 13	8,990	Feb 18, 2000
Maximum peak stage			11.21	Feb 13	21.05	Feb 18, 2000
10 percent exceeds	170		130		160	
50 percent exceeds	32		27		19	
90 percent exceeds	1.3		0.00		0.00	

