03433633 UNNAMED TRIB (S5-DS1) TO SOUTH HARPETH CREEK AT SR 840, TN

Lower Cumberland Basin
Harpeth Subbasin

LOCATION.--Lat 35°53′50″, long 87°07′58″ referenced to North American Datum of 1983, Williamson County, TN, Hydrologic Unit 05130204, Craigfield Quad.

DRAINAGE AREA.--.37 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2008 to current year.

PERIOD OF DAILY RECORD.--August 2007 to current year.

INSTRUMENTATION.--Water-quality monitor since August 7, 2007.

REMARKS.--Turbidity records fair. Turbidity values less than 1 FNU approach the limit of the instrumentation accuracy and annual and period of record minimums are reported as <1 FNU.

EXTREMES FOR PERIOD OF DAILY RECORD.--
TURBIDITY: Maximum, >1,000 FNU, September 27, 2007; minimum, <1 FNU, many days.

EXTREMES FOR CURRENT YEAR.--
TURBIDITY: Maximum, >1,000 FNU, April 2, 29; minimum, <1 FNU, many days.

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TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	37	2.1	2.9	3.9	<1	<1	1.4	1.2	1.3	31	7.0	7.8
2	5.7	2.1	2.4	3.3	<1	<1	1.2	1.0	1.1	110	6.7	7.5
3	3.4	2.0	2.1	1.0	<1	<1	1.9	1.0	1.1	8.1	6.0	6.7
4	11	1.6	1.9	5.5	<1	<1	7.4	1.6	3.1	8.5	5.9	6.3
5	80	1.5	1.9	54	<1	<1	2.5	2.1	2.2	30	5.3	6.0
6	3.3	1.8	2.0	2.8	<1	<1	2.8	2.1	2.2	89	7.8	15
7	150	1.5	3.2	6.8	<1	<1	3.0	2.2	2.3	9.1	3.2	4.0
8	250	5.4	20	44	<1	<1	4.8	2.3	2.3	5.0	3.1	3.4
9	8.2	2.6	4.1	1.5	<1	<1	490	2.2	3.1	4.2	3.1	3.4
10	5.0	2.3	2.8	<1	<1	<1	140	6.3	8.0	9.9	3.0	4.5
11	4.0	1.9	2.3	<1	<1	<1	9.5	6.7	8.4	3.9	2.8	3.2
12	6.1	1.8	2.1	1.5	<1	<1	9.4	8.2	8.7	3.1	2.5	2.8
13	3.1	1.3	1.7	1.4	<1	<1	11	8.7	9.3	3.1	2.4	2.7
14	5.7	1.2	1.7	1.5	<1	<1	11	9.0	9.9	3.3	2.3	2.5
15	3.7	1.3	1.6	1.3	<1	<1	40	7.6	9.3	2.6	2.1	2.2
16	4.8	1.2	1.6	6.4	<1	<1	35	6.7	7.8	2.6	1.9	2.0
17	1.7	1.2	1.3	6.5	<1	1.0	8.2	6.3	6.7	59	1.8	2.1
18	3.1	1.2	1.4	1.5	<1	1.0	23	6.1	7.2	4.0	2.1	2.4
19	3.2	1.1	1.2	19	<1	1.0	8.9	7.0	7.8	8.9	2.1	2.4
20	5.5	<1	1.0	11	<1	1.0	19	8.1	9.6	4.8	1.9	2.2
21	2.8	<1	<1	4.2	1.0	1.1	17	9.4	10	2.7	2.0	2.2
22	1.0	<1	<1	2.3	1.0	1.1	110	9.4	10	3.3	1.9	2.1
23	34	<1	<1	2.0	1.0	1.1	27	15	18	4.9	2.0	2.2
24	310	2.4	6.5	28	1.0	2.9	620	8.5	21	12	2.0	4.0
25	5.4	1.3	1.8	8.6	1.7	2.1	8.8	5.1	5.9	8.7	2.0	4.2
26	2.6	1.1	1.4	2.2	1.4	1.6	9.1	6.0	8.2	3.5	2.2	2.5
27	6.2	<1	1.2	1.7	1.3	1.4	62	8.2	9.1	510	2.2	7.5
28	2.9	<1	1.0	1.7	1.1	1.4	110	6.3	9.3	250	6.7	13
29	80	<1	<1	3.3	1.1	1.3	9.1	6.2	6.7	23	3.7	4.2
30	9.1	1.1	1.3	2.6	1.1	1.4	14	6.6	7.3	18	3.2	3.8
31	6.0	<1	1.0	---	---	---	20	6.9	7.6	57	3.1	3.7
Max	310	5.4	20	54	1.7	2.9	620	15	21	510	7.8	15
Min	1.0	<1	<1	<1	<1	<1	1.2	1.0	1.1	2.6	1.8	2.0

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TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		February			March			April			May	
1	5.7	2.6	3.3	6.3	3.4	4.4	21	4.8	5.5	410	6.8	180
2	7.6	3.0	3.5	3.6	<1	2.1	>1,000	5.2	5.8	240	58	110
3	4.5	3.7	3.9	6.3	<1	<1	130	5.9	8.2	---	---	---
4	4.0	3.6	3.8	7.4	1.1	1.5	6.6	5.0	5.7	---	---	---
5	4.1	3.5	3.7	2.0	1.3	1.6	24	4.5	5.0	---	---	---
6	41	3.7	4.4	3.4	1.6	1.9	5.7	3.6	4.1	---	---	---
7	5.0	3.9	4.2	2.6	1.7	2.2	4.1	3.0	3.4	---	---	---
8	4.5	3.5	4.0	3.0	2.0	2.4	---	---	---	---	---	---
9	4.5	3.5	3.8	2.8	2.0	2.3	---	---	---	---	---	---
10	4.6	3.4	3.9	230	2.0	3.0	41	2.4	3.6	---	---	---
11	130	3.7	5.6	23	2.1	4.0	3.5	2.6	3.0	---	---	---
12	5.1	3.7	4.2	22	1.9	2.2	3.3	2.4	2.9	7.7	4.3	5.5
13	34	2.7	3.5	12	1.8	2.2	3.6	2.6	3.0	9.4	5.5	6.3
14	28	3.1	3.6	87	2.5	33	3.2	2.6	2.8	---	---	---
15	20	2.9	3.2	7.4	2.1	2.6	3.4	2.5	2.8	---	---	---
16	3.9	2.6	3.0	3.1	2.1	2.5	43	2.6	3.0	---	---	---
17	3.7	2.1	2.5	3.2	2.3	2.7	4.3	3.0	3.5	---	---	---
18	---	---	---	3.3	2.3	2.8	4.3	3.0	3.4	---	---	---
19	3.7	1.3	1.7	3.9	2.3	2.9	630	3.4	7.2	---	---	---
20	5.0	2.0	2.5	4.9	3.0	3.8	39	3.8	4.6	8.7	3.3	4.4
21	9.5	2.6	4.0	4.5	3.3	3.7	4.4	3.2	3.5	7.4	4.2	5.1
22	18	3.1	3.5	6.9	3.6	4.3	3.9	2.8	3.2	6.9	5.1	5.8
23	3.9	3.0	3.3	6.8	3.9	4.5	4.1	3.0	3.4	8.0	5.0	5.6
24	4.6	3.1	3.4	9.0	4.5	6.0	5.3	3.1	3.5	14	5.6	6.3
25	4.3	3.0	3.4	24	6.3	9.5	11	3.5	4.2	7.5	5.4	6.1
26	4.7	3.3	3.7	78	4.0	7.2	7.7	3.8	4.3	9.4	6.2	6.7
27	10	3.7	4.2	9.0	3.8	4.5	5.3	3.7	4.1	8.9	6.9	7.5
28	110	4.5	9.3	680	4.3	5.8	5.1	4.0	4.5	13	8.2	9.2
29	---	---	---	140	4.6	6.5	>1,000	4.3	8.4	12	10	11
30	---	---	---	6.4	4.1	4.9	8.5	5.7	6.9	---	---	---
31	---	---	---	7.9	4.8	5.1	---	---	---	---	---	---
Max	---	---	---	680	6.3	33	---	---	---	---	---	---
Min	---	---	---	2.0	<1	<1	---	---	---	---	---	---

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	---	---	---	16	2.9	3.8	15	6.4	8.0	7.0	5.5	6.1
2	26	4.2	5.3	33	2.5	3.7	8.1	5.5	6.6	6.9	5.6	6.0
3	160	4.3	5.3	19	2.5	3.8	6.5	4.5	5.2	920	5.6	29
4	33	5.1	6.3	77	2.1	3.1	280	4.1	5.5	52	17	20
5	5.4	4.1	4.7	940	5.0	59	140	4.5	7.3	34	15	19
6	53	4.0	4.9	180	14	17	5.7	3.9	4.8	770	15	20
7	6.6	3.8	4.8	430	14	16	380	3.6	18	---	---	---
8	5.9	3.2	4.5	22	9.4	14	12	5.3	6.6	---	---	---
9	5.0	3.0	3.9	26	8.2	10	8.6	4.9	6.3	---	---	---
10	24	3.3	4.1	14	9.3	11	8.8	4.3	6.0	---	---	---
11	620	3.7	7.0	14	8.9	10	37	4.0	5.4	10	4.5	6.3
12	530	4.9	---	490	8.3	11	6.2	4.1	5.3	16	5.0	6.1
13	6.9	4.4	5.2	68	9.6	12	5.5	3.1	4.4	59	4.4	5.6
14	5.8	4.0	4.7	---	---	---	110	3.0	4.9	99	4.8	5.7
15	30	3.9	4.5	26	4.0	5.6	5.9	3.4	4.8	51	4.8	6.2
16	39	4.0	5.5	33	4.3	5.3	58	2.9	4.8	640	3.8	10
17	18	4.4	5.7	9.8	4.4	5.4	30	3.4	4.5	89	5.1	12
18	9.7	4.3	5.5	9.0	3.9	5.1	7.7	3.5	4.6	79	4.4	5.6
19	6.1	4.0	4.9	5.5	3.9	4.7	60	3.1	7.3	520	4.3	26
20	6.0	4.1	4.8	5.6	3.7	4.5	160	4.1	5.7	85	7.0	9.6
21	30	3.8	4.7	8.7	4.2	5.0	5.4	3.3	4.5	41	5.1	7.1
22	12	3.9	4.8	21	4.6	7.3	7.0	3.0	4.6	7.5	4.6	5.5
23	6.1	3.3	4.3	6.2	4.6	5.4	6.9	3.1	4.4	140	4.6	8.5
24	5.2	3.5	4.1	5.9	4.3	5.1	6.9	4.1	5.0	8.4	4.7	5.5
25	5.8	3.3	4.1	25	4.4	5.6	6.2	3.9	4.9	6.1	4.4	5.1
26	15	3.3	4.4	44	4.6	6.2	5.5	3.9	4.3	950	4.6	59
27	5.6	3.3	4.6	8.8	4.8	5.8	5.3	3.8	4.8	8.2	4.8	6.2
28	7.8	3.6	4.2	300	4.6	12	6.2	4.7	5.3	7.6	4.2	5.4
29	7.8	3.1	4.2	9.5	6.1	7.3	67	4.9	5.7	4.8	3.4	4.1
30	23	2.7	4.5	660	5.5	6.2	70	5.3	6.2	4.5	2.5	3.4
31	---	---	---	190	7.8	12	7.0	5.7	6.1	---	---	---
Max	---	---	---	---	---	---	380	6.4	18	---	---	---
Min	---	---	---	---	---	---	5.3	2.9	4.3	---	---	---