



Water-Data Report 2008

**03539600 DADDYS CREEK NEAR HEBBERTSBURG, TN**

Upper Tennessee Basin  
Emory Subbasin

LOCATION.--Lat 35°59'51.34", long 84°49'21.17" referenced to North American Datum of 1927, Cumberland County, TN, Hydrologic Unit 06010208, on right bank, 200 ft downstream of Antioch Bridge, 2.1 mi southeast of Hebbertsburg, 6.9 mi northeast of Crab Orchard, and at mile 9.1.

DRAINAGE AREA.--139 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1956 to September 1968, April 1999 to current year. Prior to May 1957 monthly discharge only, published in WSP 1726.

GAGE.--Data collection platform. Datum of gage is 1,445 ft above NGVD of 1929, from topographic map, datum of 1929, supplementary adjustment of 1936. Prior to May 24, 1965, graphic water-stage recorder at same site and datum of 1929.

REMARKS.--Records good, except for estimated daily discharges which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,150 ft<sup>3</sup>/s, Jan. 11, gage height, 7.16 ft; minimum discharge, 0.44 ft<sup>3</sup>/s, Oct. 15, Aug. 24, 25.

## 03539600 DADDYS CREEK NEAR HEBBERTSBURG, TN—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e4.5	7.6	144	184	155	391	265	214	92	6.0	6.6	8.8
2	e3.0	7.0	117	149	197	402	326	178	179	6.4	5.3	6.7
3	e2.1	5.8	171	117	186	335	531	165	171	5.1	3.9	5.5
4	e1.5	4.8	211	93	651	746	1,500	181	112	4.2	3.1	4.6
5	e1.1	4.6	164	81	1,500	960	1,810	158	76	5.3	2.6	4.0
6	e0.93	15	130	73	1,480	604	939	133	55	7.0	2.3	3.4
7	e0.78	26	104	66	1,210	859	597	122	41	6.6	2.3	3.2
8	e0.65	16	90	60	679	1,380	439	104	43	7.5	2.1	2.8
9	e0.69	12	91	126	476	904	350	111	38	6.0	1.8	2.6
10	e0.79	9.3	92	661	371	640	291	104	39	7.0	1.6	2.4
11	0.96	7.8	81	2,760	304	494	426	100	29	6.6	1.5	2.2
12	0.85	7.2	76	1,080	259	406	952	105	23	5.6	1.4	3.6
13	0.71	7.7	82	584	327	335	530	95	19	6.4	1.3	8.7
14	0.55	15	94	421	337	299	403	78	17	6.8	1.3	6.5
15	0.48	331	89	324	288	449	337	82	14	6.2	1.2	5.8
16	0.57	299	88	254	256	615	276	147	11	4.7	1.1	4.8
17	0.78	136	105	256	307	487	231	168	9.9	3.8	1.0	4.0
18	0.90	83	92	278	599	401	200	139	8.4	3.2	1.0	3.5
19	2.0	57	80	243	483	494	202	128	7.3	2.9	0.94	3.2
20	2.5	43	72	209	384	989	196	112	6.4	2.8	0.86	3.0
21	3.8	36	67	171	315	677	172	88	5.8	2.5	0.69	2.7
22	3.8	41	61	153	285	487	150	71	5.8	3.2	0.66	2.5
23	78	59	78	168	276	385	132	57	5.2	3.9	0.54	2.2
24	173	58	124	167	245	315	119	51	4.6	2.9	0.46	2.0
25	87	48	130	145	228	267	105	43	4.3	2.4	0.47	1.8
26	49	1,280	111	125	236	229	92	40	4.0	2.3	3.6	1.6
27	33	1,380	96	114	270	206	90	118	4.3	2.3	59	1.5
28	22	559	112	104	249	183	271	82	4.5	4.2	33	1.5
29	16	293	410	96	238	188	343	71	5.2	13	18	1.4
30	12	193	348	116	---	224	260	75	5.8	12	15	1.3
31	8.7	---	242	117	---	237	---	65	---	9.3	11	---
<b>Total</b>	512.64	5,041.8	3,952	9,495	12,791	15,588	12,535	3,385	1,040.5	168.1	185.62	107.8
<b>Mean</b>	16.5	168	127	306	441	503	418	109	34.7	5.42	5.99	3.59
<b>Max</b>	173	1,380	410	2,760	1,500	1,380	1,810	214	179	13	59	8.8
<b>Min</b>	0.48	4.6	61	60	155	183	90	40	4.0	2.3	0.46	1.3
<b>Cfsm</b>	0.12	1.21	0.92	2.20	3.17	3.62	3.01	0.79	0.25	0.04	0.04	0.03
<b>In.</b>	0.14	1.35	1.06	2.54	3.42	4.17	3.35	0.91	0.28	0.04	0.05	0.03

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2008, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	45.3	219	368	401	485	534	432	262	81.1	96.2	41.0	60.1
<b>Max</b>	220	1,271	875	953	1,197	1,011	812	1,057	457	587	140	630
<b>(WY)</b>	(1958)	(1958)	(2005)	(2002)	(2003)	(1963)	(1962)	(2003)	(1961)	(1967)	(1959)	(2004)
<b>Min</b>	0.52	2.44	12.5	159	97.4	178	94.1	27.2	6.61	5.42	1.66	0.62
<b>(WY)</b>	(1964)	(1964)	(1964)	(2003)	(2007)	(2003)	(1963)	(1962)	(2007)	(2008)	(1957)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1957 - 2008	
<b>Annual total</b>	46,570.61		64,802.46			
<b>Annual mean</b>	128		177		248	
<b>Highest annual mean</b>					369	2003
<b>Lowest annual mean</b>					128	2007
<b>Highest daily mean</b>	2,700	May 5	2,760	Jan 11	11,200	Sep 17, 2004
<b>Lowest daily mean</b>	0.27	Aug 19	0.46	Aug 24	0.17	Sep 13, 2002
<b>Annual seven-day minimum</b>	0.31	Aug 18	0.66	Aug 19	0.27	Sep 11, 1968
<b>Maximum peak flow</b>			4,150	Jan 11	<sup>a</sup> 15,100	Sep 17, 2004
<b>Maximum peak stage</b>			7.16	Jan 11	<sup>b</sup> 13.23	Mar 12, 1963
<b>Instantaneous low flow</b>			<sup>c</sup> 0.44	Oct 15	<sup>d</sup> 0.15	Sep 13, 2002
<b>Annual runoff (cfsm)</b>	0.918		1.27		1.78	
<b>Annual runoff (inches)</b>	12.46		17.34		24.24	
<b>10 percent exceeds</b>	308		457		557	
<b>50 percent exceeds</b>	58		78		94	
<b>90 percent exceeds</b>	0.92		1.7		4.9	

<sup>a</sup> From rating curve extended above 8,000 ft<sup>3</sup>/s at site and datum presently in use.

<sup>b</sup> From site and datum then in use.

<sup>c</sup> Also occurred Aug. 24, 25.

<sup>d</sup> Also occurred Sept. 14, 2002.

