

03539600 DADDYS CREEK NEAR HEBBERTSBURG, TN

LOCATION.--Lat 35°59'51", long 84°49'21", Cumberland County, 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 mi².

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.--No estimated daily discharges. Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,800 ft³/s, Dec. 9, gage height, 9.54 ft; minimum discharge, 6.5 ft³/s, Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	67	4,650	131	214	385	581	605	38	8.3	27	53
2	31	93	1,550	128	203	337	1,570	408	39	7.9	30	40
3	29	123	811	136	392	287	1,140	295	38	13	24	31
4	27	277	585	130	435	253	680	226	36	19	19	25
5	24	386	460	124	364	224	477	195	31	26	17	20
6	21	289	e520	137	299	206	364	188	27	35	15	20
7	19	239	e2,400	177	252	179	466	163	25	51	16	18
8	17	153	1,590	699	239	192	966	135	35	44	48	15
9	16	140	4,080	672	233	198	723	114	42	29	109	13
10	17	171	2,830	465	217	171	507	117	30	21	51	11
11	16	162	1,510	728	201	156	390	160	32	70	35	11
12	15	796	1,000	2,040	177	143	299	120	31	213	27	11
13	20	712	700	1,180	201	128	309	113	31	131	45	9.4
14	32	433	531	2,080	839	118	346	103	27	652	155	7.5
15	32	308	389	968	1,030	109	309	92	23	442	107	6.9
16	34	238	291	610	650	106	246	77	20	221	154	14
17	29	201	243	442	485	126	209	66	19	148	105	23
18	27	170	212	342	370	150	179	57	16	147	313	39
19	213	148	189	280	302	152	152	49	14	313	438	28
20	319	151	158	239	403	144	130	1,680	12	442	187	21
21	204	157	143	213	2,140	134	113	780	12	386	106	17
22	169	144	135	191	1,690	125	112	397	11	233	69	13
23	126	163	340	158	810	128	147	256	9.9	152	50	11
24	103	1,170	382	134	546	125	137	184	9.3	100	39	12
25	93	1,320	301	125	411	114	111	138	8.4	71	31	9.5
26	80	717	249	121	328	104	96	111	7.7	50	26	11
27	71	542	217	111	269	97	104	88	7.1	39	23	16
28	67	579	192	97	305	475	103	68	7.3	32	20	17
29	68	439	173	107	---	540	143	58	7.5	44	17	24
30	78	1,330	156	219	---	382	482	49	7.5	30	27	21
31	73	---	143	237	---	423	---	43	---	24	60	---
TOTAL	2,104	11,818	27,130	13,421	14,005	6,411	11,591	7,135	653.7	4,194.2	2,390	568.3
MEAN	67.9	394	875	433	500	207	386	230	21.8	135	77.1	18.9
MAX	319	1,330	4,650	2,080	2,140	540	1,570	1,680	42	652	438	53
MIN	15	67	135	97	177	97	96	43	7.1	7.9	15	6.9
CFSM	0.49	2.83	6.30	3.11	3.60	1.49	2.78	1.66	0.16	0.97	0.55	0.14
IN.	0.56	3.16	7.26	3.59	3.75	1.72	3.10	1.91	0.17	1.12	0.64	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	50.3	232	408	405	519	571	425	277	90.0	110	46.6	68.7
MAX	220	1,271	875	953	1,197	1,011	812	1,057	457	587	140	630
(WY)	(1958)	(1958)	(2005)	(2002)	(2003)	(1963)	(1962)	(2003)	(1961)	(1967)	(1959)	(2004)
MIN	0.52	2.44	12.5	159	99.2	178	94.1	27.2	10.7	9.44	1.66	0.62
(WY)	(1964)	(1964)	(1964)	(2003)	(1968)	(2003)	(1963)	(1962)	(2002)	(2002)	(1957)	(1968)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	131,529		101,421.2		263	
ANNUAL MEAN	359		278		369	
HIGHEST ANNUAL MEAN					162	
LOWEST ANNUAL MEAN					11,200	
HIGHEST DAILY MEAN	11,200	Sep 17	4,650	Dec 1	11,200	Sep 17, 2004
LOWEST DAILY MEAN	13	Aug 20	6.9	Sep 15	0.17	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	17	Oct 7	7.6	Jun 26	0.27	Sep 11, 1968
MAXIMUM PEAK FLOW			7,800	Dec 9	a15,100	Sep 17, 2004
MAXIMUM PEAK STAGE			9.54	Dec 9	b13.23	Mar 12, 1963
INSTANTANEOUS LOW FLOW			6.5	Sep 15	c0.15	Sep 13, 2002
ANNUAL RUNOFF (CFSM)	2.59		2.00		1.89	
ANNUAL RUNOFF (INCHES)	35.20		27.14		25.70	
10 PERCENT EXCEEDS	656		651		588	
50 PERCENT EXCEEDS	166		135		100	
90 PERCENT EXCEEDS	26		17		5.7	

- a From rating curve extended above 8,000 ft³/s at site and datum presently in use.
- b From rating curve extended above 6,600 ft³/s at site and datum then in use.
- c Also occurred Sept. 14, 2002.
- e Estimated

