

Water-Data Report 2009

07358253 WHITTINGTON CREEK AT TUNNEL ENTRANCE AT HOT SPRINGS, AR

Upper Ouachita Basin
Ouachita Headwaters Subbasin

LOCATION.--Lat 34°31'01.8", long 93°03'27" referenced to North American Datum of 1983, in SW ¼ NE ¼ sec.32, T.3 5., R.19 W., Garland County, AR, Hydrologic Unit 08040101, and on Whittington Creek at tunnel entrance in church parking lot off of Whittington Avenue.

DRAINAGE AREA.--undetermined.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder.

REMARKS.--Water discharge records poor, including estimated daily discharges. On Jul 16, 2009, gage was lowered to accommodate low flow. Where the "<" symbol appears, the actual value is known to be less than the value shown. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 429 ft³/s, May 6, gage height, 3.88 ft; minimum discharge, undetermined.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated; <, less than]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	<2.0	34	0.47
2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e17	<2.0	e2.0	<2.0	26	0.41
3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e10	45	e2.0	<2.0	14	0.52
4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	26	e2.0	<2.0	6.1	0.43
5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	<2.0	e2.0	6.0	0.41
6	e4.7	e2.0	<2.0	<2.0	<2.0	e2.0	<2.0	106	e2.0	<2.0	2.8	0.77
7	e2.5	<2.0	<2.0	<2.0	<2.0	e2.0	<2.0	e16	e2.0	<2.0	1.6	0.89
8	<2.0	<2.0	<2.0	e2.0	<2.0	<2.0	<2.0	e2.0	e2.0	<2.0	1.1	0.89
9	<2.0	<2.0	<2.0	e2.0	<2.0	<2.0	<2.0	e2.0	e2.0	<2.0	0.69	0.66
10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	90	e2.0	<2.0	0.61	0.41
11	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	31	e2.0	<2.0	0.61	0.41
12	<2.0	<2.0	<2.0	<2.0	e2.0	<2.0	e2.0	13	e2.0	<2.0	0.61	0.53
13	<2.0	<2.0	<2.0	<2.0	e2.0	<2.0	e11	e2.0	e2.0	<2.0	0.61	6.5
14	<2.0	<2.0	<2.0	<2.0	e2.0	<2.0	<2.0	e2.0	e2.0	<2.0	0.61	0.96
15	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	<2.0	0.61	8.6
16	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	e7.5	0.61	40
17	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	3.1	0.61	25
18	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	e2.0	4.7	0.61	12
19	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	4.0	0.62	5.7
20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	4.2	2.1	3.2
21	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	e2.0	13	0.43	2.1
22	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	5.1	0.41	7.9
23	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.0	3.4	0.41	4.0
24	<2.0	e3.8	<2.0	<2.0	<2.0	e5.0	<2.0	e19	<2.0	2.7	0.41	3.3
25	<2.0	<2.0	<2.0	<2.0	<2.0	e3.0	<2.0	22	<2.0	2.3	0.41	2.8
26	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	e2.3	<2.0	4.2	0.41	2.1
27	<2.0	<2.0	e2.0	<2.0	<2.0	40	<2.0	e2.2	<2.0	2.7	0.41	1.9
28	<2.0	<2.0	<2.0	<2.0	<2.0	18	<2.0	<2.0	<2.0	37	0.43	1.7
29	<2.0	<2.0	<2.0	<2.0	---	<2.0	<2.0	e2.0	<2.0	15	0.41	1.6
30	<2.0	<2.0	<2.0	<2.0	---	<2.0	<2.0	e2.0	<2.0	19	0.57	1.3
31	<2.0	---	<2.0	<2.0	---	<2.0	---	e2.0	---	24	0.42	---
Total												
Mean	65.2	61.8	62.0	62.0	56.0	120.0	92.0	412.5	60.0	181.9	105.22	137.46
Max	2.10	2.06	2.00	2.00	2.00	3.87	3.07	13.3	2.00	5.87	3.39	4.58
Min	4.7	3.8	2.0	2.0	2.0	40	17	106	2.0	37	34	40
Ac-ft	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.41	0.41
	129	123	123	123	111	238	182	818	119	361	209	273

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2009, BY WATER YEAR (WY)

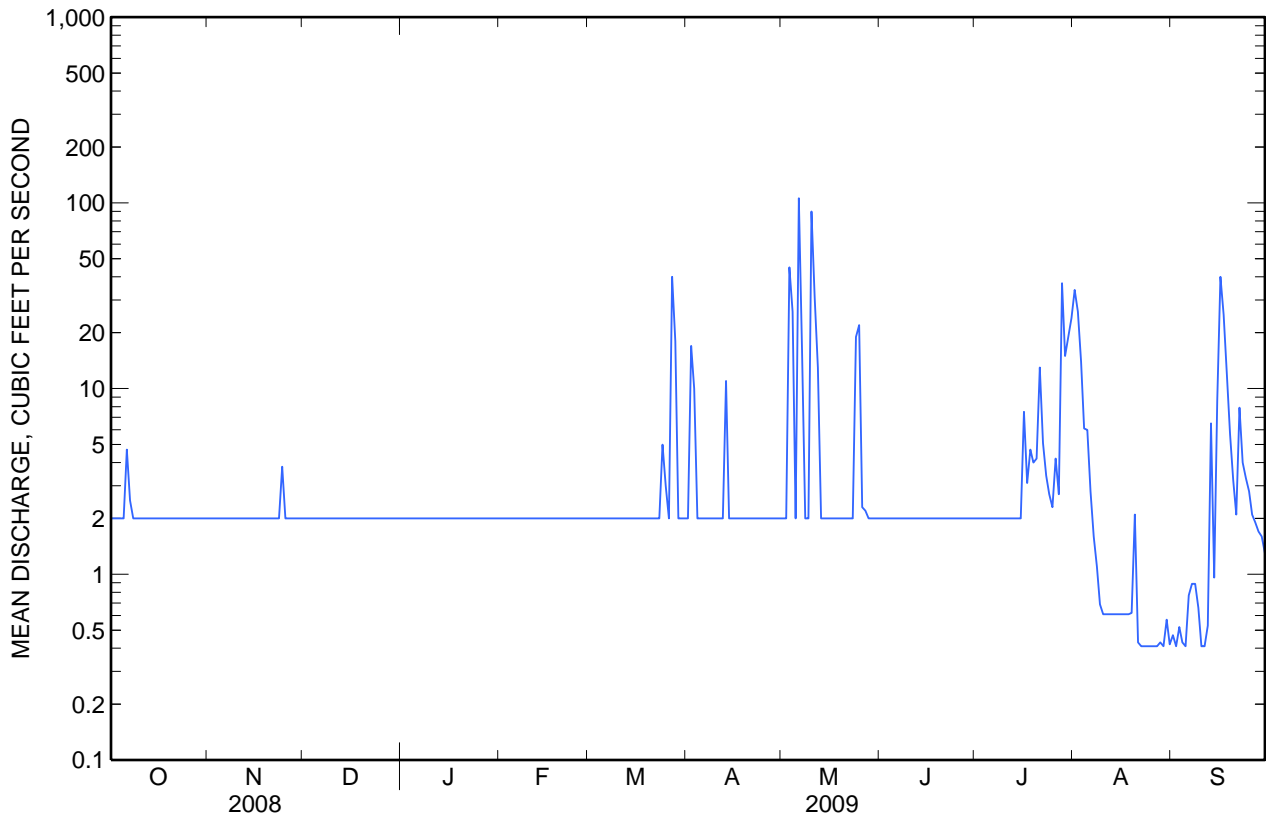
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.10	2.06	2.00	2.00	2.00	3.87	3.07	13.3	2.00	3.93	2.88	7.84
Max	2.10	2.06	2.00	2.00	2.00	3.87	3.07	13.3	2.00	5.87	3.39	11.1
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2008)
Min	2.10	2.06	2.00	2.00	2.00	3.87	3.07	13.3	2.00	2.00	2.36	4.58
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2008)	(2008)	(2009)

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SUMMARY STATISTICS

	Water Year 2009		Water Years 2008 - 2009	
Annual total	1,416.08			
Annual mean	3.88		3.88	
Highest annual mean			3.88	2009
Lowest annual mean			3.88	2009
Highest daily mean	106	May 6	202	Sep 3, 2008
Lowest daily mean	a		a	
Annual seven-day minimum	a		a	
Maximum peak flow	429	May 6	429	May 6, 2009
Maximum peak stage	3.88	May 6	3.88	May 6, 2009
Annual runoff (ac-ft)	2,810		2,810	
10 percent exceeds	4.4		4.4	
50 percent exceeds	< 2.0		< 2.0	
90 percent exceeds	1.2		1.2	

^a Undetermined



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

[e, estimated; <, less than]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
2	---	---	---	---	---	---	---	---	---	<2.0	<2.0	e19
3	---	---	---	---	---	---	---	---	---	<2.0	<2.0	202
4	---	---	---	---	---	---	---	---	---	<2.0	<2.0	51
5	---	---	---	---	---	---	---	---	---	<2.0	<2.0	e2.1
6	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
7	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
8	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
9	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
10	---	---	---	---	---	---	---	---	---	<2.0	e2.0	<2.0
11	---	---	---	---	---	---	---	---	---	<2.0	e7.4	<2.0
12	---	---	---	---	---	---	---	---	---	<2.0	e6.0	<2.0
13	---	---	---	---	---	---	---	---	---	<2.0	<2.0	e2.9
14	---	---	---	---	---	---	---	---	---	<2.0	<2.0	e8.0
15	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
16	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
17	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
18	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
19	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
20	---	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0
21	---	---	---	---	---	---	---	---	---	<2.0	e3.7	<2.0
22	---	---	---	---	---	---	---	---	---	e2.0	<2.0	<2.0
23	---	---	---	---	---	---	---	---	e2.0	<2.0	<2.0	<2.0
24	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	<2.0
25	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	<2.0
26	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	<2.0
27	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	<2.0
28	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	<2.0
29	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	<2.0
30	---	---	---	---	---	---	---	---	<2.0	<2.0	<2.0	e2.0
31	---	---	---	---	---	---	---	---	---	<2.0	<2.0	---
Total	---	---	---	---	---	---	---	---	---	62.0	73.1	333.0
Mean	---	---	---	---	---	---	---	---	---	2.00	2.36	11.1
Max	---	---	---	---	---	---	---	---	---	2.0	7.4	202
Min	---	---	---	---	---	---	---	---	---	2.0	2.0	2.0
Ac-ft	---	---	---	---	---	---	---	---	---	123	145	661

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

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	---	---	2.00	2.36	11.1
Max	---	---	---	---	---	---	---	---	---	2.00	2.36	11.1
(WY)	(---	(---	(---	(---	(---	(---	(---	(---	(---	(2008)	(2008)	(2008)
Min	---	---	---	---	---	---	---	---	---	2.00	2.36	11.1
(WY)	(---	(---	(---	(---	(---	(---	(---	(---	(---	(2008)	(2008)	(2008)

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