

Water-Data Report 2007

06894680 SNI-A-BAR CREEK NEAR TARSNEY, MO

Lower Missouri Basin

LOCATION.--Lat 38°56'27.31", long 94°10'05.05" referenced to North American Datum of 1983, in sec.30, T.48 N., R.29 W., Jackson County, MO, Hydrologic Unit 10300101, in SW¼ SW¼ N¼ sec. 30,T. 48N., R.29W., on downstream side of bridge on Colburn Road, 2.3 mi upstream from West Fork, 2.7 mi east of Tarsney and 5 mi southeast of Grain Valley.

DRAINAGE AREA.--29.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 25, 1970 to Sept. 30, 1979, Feb. 10, 2006 to Feb. 28, 2007.

GAGE.--Water-stage recorder. Datum of gage is unknown.

REMARKS.--Records poor.

EXTREMES FOR CURRENT YEAR.--For the period Oct 1 to Feb 28, maximum discharge, 300 ft³/s (from straightline extension of rating) , Feb. 19, gage height 8.56 ft; minimum discharge 0.00 ft³/s, many days.

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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	0.00	0.26	6.4	2.0	0.71	---	---	---	---	---	---	---
2	0.00	0.15	4.8	0.93	0.66	---	---	---	---	---	---	---
3	0.00	0.10	2.0	0.59	0.31	---	---	---	---	---	---	---
4	0.00	0.06	0.59	0.52	0.16	---	---	---	---	---	---	---
5	0.00	0.04	0.16	0.51	0.16	---	---	---	---	---	---	---
6	0.00	0.02	0.26	0.61	0.55	---	---	---	---	---	---	---
7	0.00	0.01	0.44	0.57	2.5	---	---	---	---	---	---	---
8	0.00	0.00	0.26	0.39	1.9	---	---	---	---	---	---	---
9	0.00	0.00	0.11	0.41	0.82	---	---	---	---	---	---	---
10	0.00	0.00	0.24	0.45	0.55	---	---	---	---	---	---	---
11	0.00	0.00	0.53	0.44	0.53	---	---	---	---	---	---	---
12	0.00	0.00	1.2	0.55	e2.5	---	---	---	---	---	---	---
13	0.00	0.00	1.3	0.73	e30	---	---	---	---	---	---	---
14	0.00	0.00	0.87	0.73	22	---	---	---	---	---	---	---
15	0.00	0.00	0.57	0.85	14	---	---	---	---	---	---	---
16	0.00	0.00	0.41	0.78	12	---	---	---	---	---	---	---
17	0.00	0.00	0.28	0.56	11	---	---	---	---	---	---	---
18	0.00	0.00	0.18	0.42	10	---	---	---	---	---	---	---
19	0.00	0.00	0.11	0.52	e25	---	---	---	---	---	---	---
20	0.00	0.00	8.4	0.60	e45	---	---	---	---	---	---	---
21	0.00	0.00	9.9	0.71	32	---	---	---	---	---	---	---
22	0.00	0.00	2.4	0.77	25	---	---	---	---	---	---	---
23	0.00	0.00	1.7	0.72	19	---	---	---	---	---	---	---
24	0.00	0.00	1.4	0.73	e25	---	---	---	---	---	---	---
25	0.00	0.00	1.2	0.81	e35	---	---	---	---	---	---	---
26	0.00	0.00	1.0	1.6	18	---	---	---	---	---	---	---
27	11	0.00	0.85	6.0	13	---	---	---	---	---	---	---
28	19	0.00	0.71	3.3	12	---	---	---	---	---	---	---
29	8.2	0.06	0.57	1.8	---	---	---	---	---	---	---	---
30	3.0	10	2.8	1.3	---	---	---	---	---	---	---	---
31	0.91	---	10	0.55	---	---	---	---	---	---	---	---
Mean	1.36	0.36	1.99	1.01	12.8	---	---	---	---	---	---	---
Max	19	10	10	6.0	45	---	---	---	---	---	---	---
Min	0.00	0.00	0.11	0.39	0.16	---	---	---	---	---	---	---
In.	0.05	0.01	0.08	0.04	0.46	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2007^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.5	12.2	16.5	15.7	20.2	42.8	33.7	32.4	12.9	12.6	0.70	40.3
Max	64.4	55.8	80.4	52.9	53.2	192	138	100	33.7	86.4	3.85	251
(WY)	(1978)	(1978)	(1972)	(1971)	(1979)	(1973)	(1973)	(1974)	(1971)	(1979)	(1974)	(1977)
Min	0.00	0.00	0.00	0.00	0.06	2.43	5.29	3.40	2.75	0.04	0.00	0.00
(WY)	(1973)	(1977)	(1977)	(1977)	(1977)	(1977)	(2006)	(2006)	(1972)	(1975)	(1976)	(1972)

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SUMMARY STATISTICS

	Water Years 1970 - 2007 ^a	
Annual mean	22.6	
Highest annual mean	37.4	1973
Lowest annual mean	8.24	1976
Highest daily mean	4,840	Sep 12, 1977
Lowest daily mean	0.00	Aug 16, 1970 ^b
Annual seven-day minimum	0.00	Aug 27, 1970 ^c
Maximum peak flow	15,700	Sep 12, 1977
Maximum peak stage	^d 23.30	Sep 12, 1977
Instantaneous low flow	0.00	Aug 27, 1970 ^b
Annual runoff (inches)	10.54	
10 percent exceeds	31	
50 percent exceeds	2.9	
90 percent exceeds	0.00	

^a For Period of Record

^b Most Years

^c At Times

^d From highwater mark

