

Water-Data Report 2007

**06870200 SMOKY HILL RIVER AT NEW CAMBRIA, KS**

Smoky Hill Basin  
Lower Smoky Hill Subbasin

LOCATION.--Lat 38°51'50", long 97°28'59" referenced to North American Datum of 1927, in NE ¼ NE ¼ SE ¼ sec.1, T.14 S., R.2 W., Saline County, KS, Hydrologic Unit 10260008, on left bank at downstream side of county highway bridge, 1.0 mi southeast of New Cambria, 10.1 mi upstream from Gypsum Creek, about 18.1 mi upstream from Solomon River, and at mile 86.6.

DRAINAGE AREA.--11,730 mi<sup>2</sup>, approximately.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1962 to February 2007 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,160.19 ft above NGVD of 1929. Prior to Mar. 27, 1963, nonrecording gage and Mar. 27, 1963, to July 5, 1977, water-stage recorder at site 2.7 mi downstream at datum 2.23 ft lower.

REMARKS.--Records good. Natural flow moderately regulated since 1948 by Kanopolis Lake (station 06865000), 97.7 mi upstream, and slightly regulated since 1964 by Wilson Lake (station 06868100) and by numerous diversions upstream from station. Satellite telemeter at station.

## 06870200 SMOKY HILL RIVER AT NEW CAMBRIA, KS—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37	40	33	137	85	---	---	---	---	---	---	---
2	38	36	24	86	66	---	---	---	---	---	---	---
3	36	35	28	74	62	---	---	---	---	---	---	---
4	33	35	29	82	62	---	---	---	---	---	---	---
5	35	36	23	99	59	---	---	---	---	---	---	---
6	37	35	27	80	62	---	---	---	---	---	---	---
7	34	33	31	65	65	---	---	---	---	---	---	---
8	31	30	33	56	84	---	---	---	---	---	---	---
9	28	29	26	50	87	---	---	---	---	---	---	---
10	29	29	30	50	65	---	---	---	---	---	---	---
11	32	29	33	46	62	---	---	---	---	---	---	---
12	32	30	31	42	59	---	---	---	---	---	---	---
13	35	30	31	52	80	---	---	---	---	---	---	---
14	34	30	33	38	130	---	---	---	---	---	---	---
15	31	29	34	40	135	---	---	---	---	---	---	---
16	32	27	32	38	107	---	---	---	---	---	---	---
17	31	29	31	35	92	---	---	---	---	---	---	---
18	29	29	30	35	87	---	---	---	---	---	---	---
19	27	29	30	33	149	---	---	---	---	---	---	---
20	27	28	37	32	268	---	---	---	---	---	---	---
21	27	29	48	40	251	---	---	---	---	---	---	---
22	27	30	47	42	199	---	---	---	---	---	---	---
23	27	31	42	37	182	---	---	---	---	---	---	---
24	28	31	40	38	151	---	---	---	---	---	---	---
25	30	31	40	40	483	---	---	---	---	---	---	---
26	42	32	40	42	825	---	---	---	---	---	---	---
27	59	31	40	46	706	---	---	---	---	---	---	---
28	71	31	39	48	393	---	---	---	---	---	---	---
29	56	31	39	62	---	---	---	---	---	---	---	---
30	50	31	55	70	---	---	---	---	---	---	---	---
31	47	---	150	71	---	---	---	---	---	---	---	---
<b>Mean</b>	35.9	31.2	38.3	55.0	181	---	---	---	---	---	---	---
<b>Max</b>	71	40	150	137	825	---	---	---	---	---	---	---
<b>Min</b>	27	27	23	32	59	---	---	---	---	---	---	---
<b>Ac-ft</b>	2,210	1,860	2,350	3,380	10,030	---	---	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	458	365	333	259	406	648	795	974	1,061	943	664	570
<b>Max</b>	6,168	3,087	3,293	2,071	2,850	4,789	6,506	5,331	5,360	12,190	5,796	4,601
<b>(WY)</b>	(1974)	(1974)	(1974)	(1994)	(1993)	(1973)	(1973)	(1995)	(1995)	(1993)	(1993)	(1993)
<b>Min</b>	23.2	31.2	38.3	40.0	35.8	40.6	47.2	47.6	117	26.9	45.4	56.8
<b>(WY)</b>	(1992)	(2007)	(2007)	(1992)	(1992)	(1992)	(1992)	(1992)	(1988)	(2006)	(2003)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1963 - 2007	
Annual mean	58.3				627	
Highest annual mean					3,609	1993
Lowest annual mean					60.3	2006
Highest daily mean	1,310	Jun 23	825	Feb 26	25,000	Oct 12, 1973
Lowest daily mean	6.1	Aug 1	23	Dec 5	6.1	Aug 1, 2006
Annual seven-day minimum	8.0	Jul 27	27	Oct 18	8.0	Jul 27, 2006
Maximum peak flow			883	Feb 26	26,400	Oct 12, 1973
Maximum peak stage			8.56	Feb 26	31.72	Jun 25, 1993
Instantaneous low flow			18	Dec 5	4.7	Aug 2, 2006
Annual runoff (ac-ft)	42,190				454,000	
10 percent exceeds	78				1,640	
50 percent exceeds	40				207	
90 percent exceeds	26				64	

