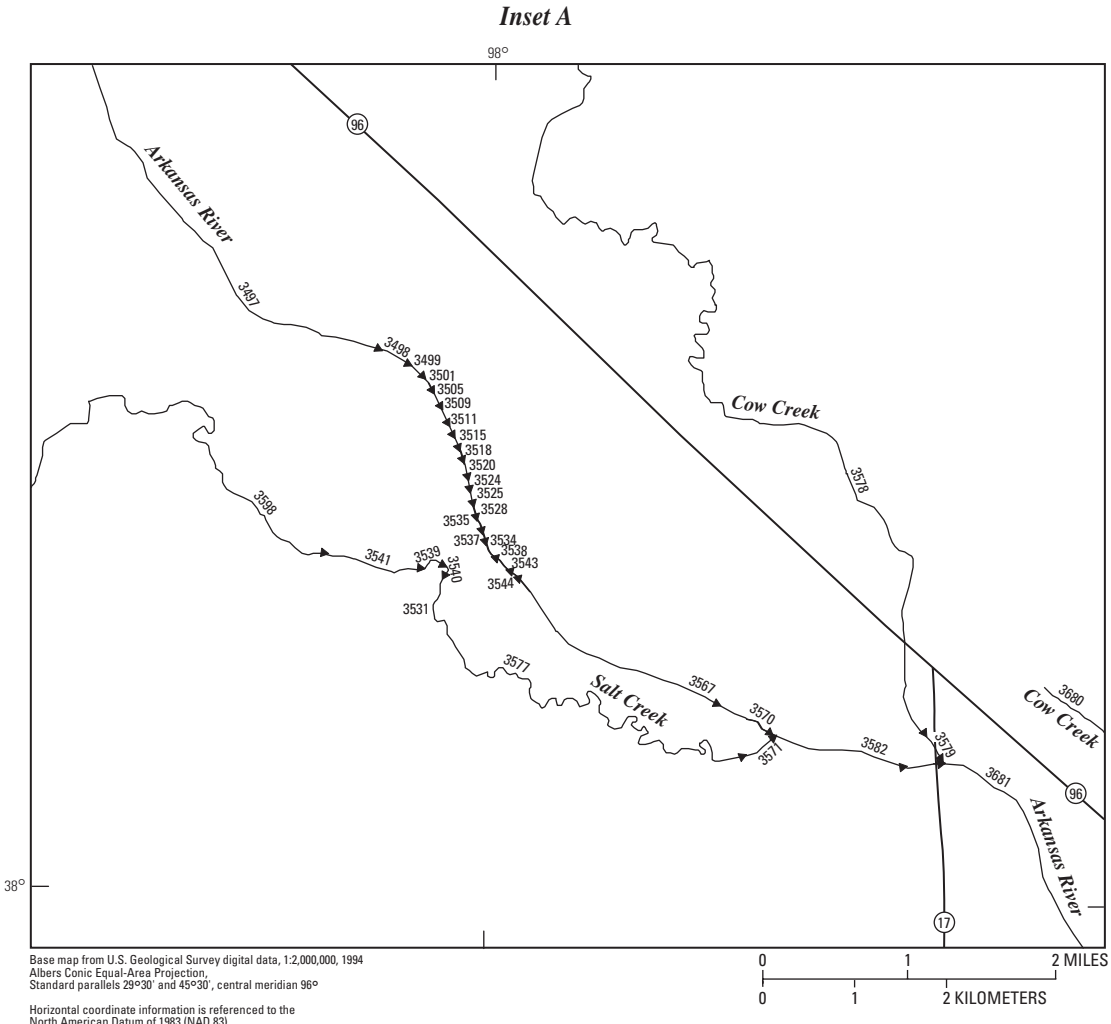


Figure 88. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Reno County.



EXPLANATION

- ← 3577 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction

Figure 88. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Reno County.—Continued

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Table 84. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Reno County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 88)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded					
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent	
		70	11030014999	RN						Unnamed tributary, Reno 1	0.25	0	0
3390	110300111	RN	RC			Cow Creek	849	5.74	10.9	20.6	47.1	173	
3415	110300106	RN	RC			Peace Creek	174	3.10	4.69	6.59	11.2	22.4	
3416	110300106	RN				Peace Creek	160	2.90	4.31	5.91	9.88	19.6	
3449	110300106	RN				Peace Creek	157	2.84	4.21	5.75	9.58	19.0	
3492	HYDRO	RN				HYDRO	93.9	NA	NA	NA	NA	NA	
3493	110300106	RN				Peace Creek	128	1.88	2.88	3.92	6.51	13.1	
3497	110300104	RN	RC			Arkansas River	35,200	72.9	118	219	425	941	
3498	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3499	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3501	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3505	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3509	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3511	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3515	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3518	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3520	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3524	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3525	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3528	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3531	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3534	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3535	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3537	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3538	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3539	110300107	RN				Salt Creek	114	2.04	2.98	4.69	8.93	19.9	
3540	110300107	RN				Salt Creek	114	2.04	2.98	4.69	8.93	19.9	
3541	110300107	RN				Salt Creek	114	2.04	2.98	4.69	8.93	19.9	
3543	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3544	110300104	RN				Arkansas River	35,200	72.9	118	219	425	941	
3567	110300104	RN				Arkansas River	35,200	73.0	118	219	426	941	
3570	110300103	RN				Arkansas River	35,200	73.0	118	219	426	941	
3571	110300107	RN				Salt Creek	130	2.24	3.34	5.41	10.5	23.6	
3577	110300107	RN				Salt Creek	130	2.24	3.34	5.41	10.5	23.6	
3578	110300111	RN				Cow Creek	886	6.67	12.5	23.5	52.7	185	
3579	110300101	RN				Arkansas River	35,300	75.6	122	226	436	963	
3582	110300103	RN				Arkansas River	35,300	75.6	122	226	436	963	
3591	110300106	RN	SF			Peace Creek	93.1	.69	1.34	1.95	3.24	7.00	

Table 84. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Reno County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 88)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
70	0	60	145	222	342	445	562
3390	103	2,150	5,090	7,960	12,700	17,200	22,700
3415	18.7	902	2,260	3,580	5,700	7,600	9,770
3416	16.7	854	2,140	3,400	5,410	7,210	9,270
3449	16.2	849	2,130	3,380	5,370	7,160	9,190
3492	NA	NA	NA	NA	NA	NA	NA
3493	12.1	735	1,880	3,010	4,820	6,460	8,320
3497	453	4,020	8,460	15,400	22,100	28,700	35,800
3498	453	4,020	8,460	15,400	22,100	28,700	35,800
3499	453	4,020	8,460	15,400	22,100	28,700	35,800
3501	453	4,020	8,460	15,400	22,100	28,700	35,800
3505	453	4,020	8,460	15,400	22,100	28,700	35,800
3509	453	4,020	8,460	15,400	22,100	28,700	35,800
3511	453	4,020	8,460	15,400	22,100	28,700	35,800
3515	453	4,020	8,460	15,400	22,100	28,700	35,800
3518	453	4,020	8,460	15,400	22,100	28,700	35,800
3520	453	4,020	8,460	15,400	22,100	28,700	35,800
3524	453	4,020	8,460	15,400	22,100	28,700	35,800
3525	453	4,020	8,460	15,400	22,100	28,700	35,800
3528	453	4,020	8,460	15,400	22,100	28,700	35,800
3531	453	4,020	8,460	15,400	22,100	28,700	35,800
3534	453	4,020	8,460	15,400	22,100	28,700	35,800
3535	453	4,020	8,460	15,400	22,100	28,700	35,800
3537	453	4,020	8,460	15,400	22,100	28,700	35,800
3538	453	4,020	8,460	15,400	22,100	28,700	35,800
3539	17.5	1,150	2,170	2,960	4,090	5,000	5,970
3540	17.5	1,150	2,170	2,960	4,090	5,000	5,970
3541	17.5	1,150	2,170	2,960	4,090	5,000	5,980
3543	453	4,020	8,460	15,400	22,100	28,700	35,800
3544	453	4,020	8,460	15,400	22,100	28,700	35,800
3567	453	4,020	8,460	15,400	22,100	28,700	35,800
3570	453	4,020	8,460	15,400	22,100	28,700	35,800
3571	20.3	1,230	2,350	3,250	4,540	5,610	6,760
3577	20.3	1,230	2,350	3,250	4,540	5,610	6,760
3578	110	2,210	5,200	8,100	12,900	17,400	22,800
3579	463	4,060	8,490	15,400	22,100	28,700	35,800
3582	463	4,060	8,490	15,400	22,100	28,700	35,800
3591	7.79	566	1,520	2,480	4,050	5,490	7,140

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Table 84. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Reno County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 88)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
3597	110300107	RN				Salt Creek	85.3	1.73	2.39	3.51	6.31	13.7
3598	110300107	RN				Salt Creek	114	2.03	2.96	4.66	8.87	19.8
3608	HYDRO	RN				HYDRO	23.9	NA	NA	NA	NA	NA
3611	1103001215	RN				Kisiwa Creek	23.9	1.72	1.84	2.16	3.08	5.98
3680	110300111755	RN				Cow Creek	30.3	1.12	1.13	1.48	2.31	5.24
3681	110300101	RN				Arkansas River	36,200	93.8	151	272	507	1,120
3744	110300146	RN				North Fork Ninescah River	304	7.68	13.4	19.6	31.6	55.1
3748	110300101	RN				Arkansas River	36,300	95.0	153	275	512	1,130
3753	110300146	RN				North Fork Ninescah River	221	4.52	7.88	11.2	18.3	32.2
3757	HYDRO	RN				HYDRO	218	NA	NA	NA	NA	NA
3765	1103001412	RN				Red Rock Creek	37.7	.15	.34	.85	1.65	4.73
3771	HYDRO	RN				HYDRO	41.1	NA	NA	NA	NA	NA
3772	110300146	RN				North Fork Ninescah River	215	4.32	7.53	10.7	17.4	30.8
3775	HYDRO	RN				HYDRO	211	NA	NA	NA	NA	NA
3780	HYDRO	RN				HYDRO	203	NA	NA	NA	NA	NA
3781	110300146	RN				North Fork Ninescah River	209	4.10	7.18	10.2	16.6	29.3
3782	110300101	RN				Arkansas River	36,300	94.3	153	276	514	1,130
3784	110300146	RN	SF			North Fork Ninescah River	203	3.91	6.83	9.69	15.8	28.0
3796	110300146	RN				North Fork Ninescah River	334	8.60	15.1	22.4	36.5	64.2
3830	110300101	RN	SG			Arkansas River	36,300	92.8	152	277	518	1,130
3869	1103001412	RN				Red Rock Creek	67.9	.62	1.64	3.22	6.65	15.4
3883	110300108	RN	SG			Gar Creek	52.4	0	.82	2.90	7.39	18.9
3900	1103001411	RN				Crow Creek	38.4	0	.76	2.23	4.97	11.9
3901	110300146	RN				North Fork Ninescah River	356	9.35	16.6	25.0	40.9	72.2
3905	110300145	RN				North Fork Ninescah River	760	24.0	47.0	76.0	126	222
3921	110300145	RN				North Fork Ninescah River	681	20.7	40.0	64.0	106	186
3926	HYDRO	RN				HYDRO	32.6	NA	NA	NA	NA	NA
3930	110300149	RN				Wolf Creek	36.6	1.30	1.91	2.27	3.06	5.46
3932	110300149	RN				Wolf Creek	32.3	1.35	1.83	2.03	2.54	4.40
3933	110300147	RN				Silver Creek	213	4.63	8.72	14.0	24.4	46.6
3939	110300147	RN				Silver Creek	276	5.86	11.4	19.1	34.3	66.4
3947	110300145	RN				North Fork Ninescah River	807	24.9	49.3	81.3	136	244
3986	HYDRO	RN				HYDRO	26.7	NA	NA	NA	NA	NA
3998	11030014289	RN				Unnamed tributary, Reno 2	29.8	1.55	1.90	1.94	2.25	3.73
4001	110300147	RN				Silver Creek	136	2.58	4.85	7.49	13.0	25.0
4028	11030014289	RN				Unnamed tributary, Reno 2	26.1	1.50	1.55	1.64	1.73	2.76
4041	110300109011	RN	SG			Big Slough	32.4	0	.62	2.02	4.73	11.7
4055	110300109035	RN	SG			South Fork Big Slough	4.17	0	0	0	0	0

Table 84. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Reno County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 88)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
3597	12.7	1,080	2,220	3,190	4,620	5,830	7,130
3598	17.4	1,150	2,160	2,950	4,070	4,980	5,950
3608	NA	NA	NA	NA	NA	NA	NA
3611	5.70	1,200	2,940	4,560	7,130	9,350	11,900
3680	5.83	496	1,270	2,030	3,240	4,320	5,540
3681	536	4,330	8,730	15,500	22,000	28,500	35,500
3744	40.5	1,690	4,460	7,350	12,400	17,400	23,500
3748	541	4,350	8,740	15,500	22,000	28,500	35,500
3753	25.5	1,300	3,380	5,510	9,140	12,600	16,800
3757	NA	NA	NA	NA	NA	NA	NA
3765	6.10	956	2,290	3,550	5,520	7,260	9,200
3771	NA	NA	NA	NA	NA	NA	NA
3772	24.5	1,300	3,360	5,460	9,020	12,400	16,500
3775	NA	NA	NA	NA	NA	NA	NA
3780	NA	NA	NA	NA	NA	NA	NA
3781	23.5	1,230	3,210	5,230	8,660	11,900	15,900
3782	546	4,440	9,030	15,700	22,300	28,900	36,000
3784	22.6	1,220	3,170	5,150	8,500	11,700	15,500
3796	46.6	1,850	4,910	8,130	13,800	19,500	26,400
3830	555	4,630	9,610	16,100	22,900	29,700	36,900
3869	13.7	1,460	3,380	5,160	7,920	10,400	13,100
3883	15.5	1,310	3,170	4,950	7,780	10,300	13,200
3900	10.1	1,250	2,920	4,480	6,890	9,010	11,400
3901	51.8	1,950	5,230	8,710	14,900	21,000	28,700
3905	147	3,990	12,300	21,900	40,400	59,900	85,200
3921	125	3,530	10,600	18,800	34,200	50,500	71,400
3926	NA	NA	NA	NA	NA	NA	NA
3930	5.47	760	1,770	2,700	4,120	5,360	6,720
3932	4.65	704	1,640	2,500	3,800	4,940	6,180
3933	34.4	1,680	4,140	6,570	10,600	14,500	19,000
3939	47.7	2,150	5,320	8,510	13,900	19,100	25,300
3947	159	4,240	12,800	22,600	41,400	61,100	86,700
3986	NA	NA	NA	NA	NA	NA	NA
3998	4.14	1,010	2,690	4,320	6,990	9,330	12,100
4001	19.9	1,240	3,040	4,790	7,640	10,300	13,300
4028	3.43	929	2,470	3,960	6,390	8,530	11,100
4041	10.1	1,150	2,720	4,190	6,480	8,510	10,700
4055	.58	450	1,060	1,600	2,450	3,180	4,010

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Table 84. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Reno County.—Continued

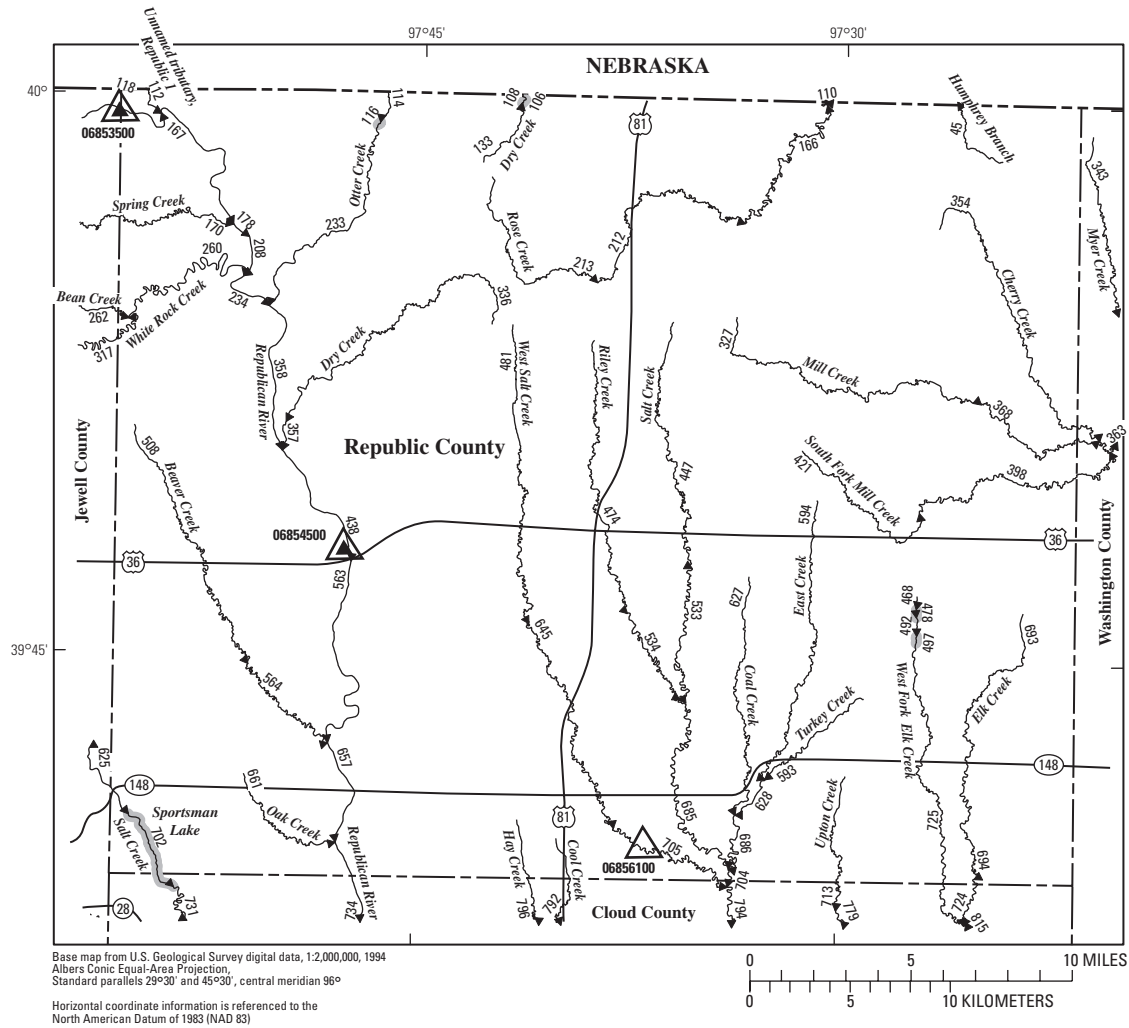
[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 88)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		4062	1103001413	RN						Rock Creek	11.2	0
4105	HYDRO	RN				HYDRO	858	NA	NA	NA	NA	NA
4134	1103001413	RN	SG			Rock Creek	19.7	0	0	.94	2.40	6.59
4135	110300141	RN	SG			North Fork Ninnescah River	863	.16	.24	.48	75.0	381
4159	1103001414	RN	SG			Spring Creek	12.1	0	.02	.55	1.01	2.88

Table 84. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Reno County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 88)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
4062	3.20	786	1,890	2,910	4,500	5,860	7,440
4105	NA	NA	NA	NA	NA	NA	NA
4134	6.23	1,080	2,640	4,090	6,380	8,340	10,600
4135	121	1,080	2,080	2,750	3,560	4,110	4,620
4159	3.40	809	1,960	3,010	4,680	6,100	7,760



EXPLANATION

- ← 731 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06854500 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06856100 △ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 702 Lake and determination site identification number

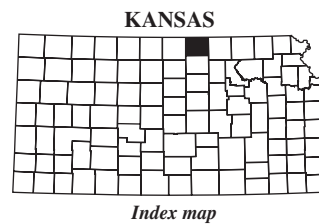


Figure 89. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Republic County.

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Table 85. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Republic County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 89)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded					
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent	
		45	1027020724	RP						Humphrey Branch	11.6	0	0
106	1027020641	RP				Dry Creek	12.9	0	0	0		.01	.14
108	HYDRO	RP				HYDRO	10.4	NA	NA	NA	NA	NA	NA
110	1027020712	RP				Rose Creek	74.6	.06	.86	3.39	9.19	24.2	
112	1025001686	RP				Unnamed tributary, Republic 1	10.8	0	0	.03	.07	.82	
114	1025001679	RP				Otter Creek	12.7	0	0	0	0	.18	
116	HYDRO	RP				HYDRO	14.3	NA	NA	NA	NA	NA	
133	1027020641	RP				Dry Creek	10.4	0	0	0	0	.01	
166	1027020712	RP				Rose Creek	68.0	.05	.72	3.02	8.20	21.7	
167	102500162	RP				Republican River	20,600	66.0	112	171	319	748	
178	102500162	RP				Republican River	20,600	68.1	114	174	328	762	
208	102500161	RP				Republican River	20,600	68.2	114	174	328	762	
212	1027020712	RP				Rose Creek	43.1	.02	.18	1.64	4.51	12.3	
213	1027020712	RP				Rose Creek	15.2	0	0	.01	.24	1.93	
233	1025001679	RP				Otter Creek	36.0	0	0	.84	2.34	6.91	
234	102500161	RP				Republican River	21,000	109	147	230	494	1,030	
260	1025001641	RP				White Rock Creek	383	.30	.41	.68	1.63	57.1	
327	1027020722	RP				Mill Creek	37.6	.01	.12	1.56	4.45	12.5	
336	1025001680	RP				Dry Creek	29.5	0	.39	1.56	3.43	8.26	
354	1027020725	RP	WS			Cherry Creek	34.8	.01	.10	1.44	3.99	11.2	
357	1025001680	RP				Dry Creek	30.4	0	.48	1.68	3.64	8.60	
358	102500161	RP				Republican River	21,100	115	151	237	515	1,070	
368	1027020722	RP	WS			Mill Creek	43.2	.01	.33	2.04	5.66	15.4	
398	1027020731	RP	WS			South Fork Mill Creek	39.8	.01	.57	2.54	6.61	16.9	
421	1027020731	RP				South Fork Mill Creek	16.2	0	0	.25	.82	3.34	
438	102500161	RP				Republican River	21,100	120	155	244	537	1,100	
447	1025001723	RP				Salt Creek	24.8	0	.04	1.25	3.32	8.94	
468	1025001716	RP				West Fork Elk Creek	4.10	0	0	0	0	0	
474	1025001724	RP				Riley Creek	23.1	0	0	.96	2.63	7.47	
478	HYDRO	RP				HYDRO	5.00	NA	NA	NA	NA	NA	
481	1025001725	RP				West Salt Creek	36.4	0	0	1.03	3.07	9.13	
492	1025001716	RP				West Fork Elk Creek	6.53	0	0	.20	.21	1.09	
497	HYDRO	RP				HYDRO	6.82	NA	NA	NA	NA	NA	
508	1025001745	RP				Beaver Creek	36.4	0	0	.20	1.02	4.39	
533	1025001723	RP				Salt Creek	31.5	0	.28	1.87	4.91	12.7	
534	1025001724	RP				Riley Creek	29.6	0	.13	1.50	4.02	10.7	
563	1025001728	RP				Republican River	21,200	120	156	246	539	1,110	
564	1025001745	RP				Beaver Creek	46.5	0	0	.67	2.25	7.39	

Table 85. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Republic County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 89)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
45	2.59	748	1,830	2,830	4,420	5,780	7,360
106	2.03	750	1,870	2,910	4,580	6,010	7,680
108	NA	NA	NA	NA	NA	NA	NA
110	19.7	1,350	3,410	5,440	8,720	11,700	15,100
112	1.92	601	1,540	2,420	3,830	5,060	6,500
114	1.94	704	1,780	2,790	4,400	5,800	7,420
116	NA	NA	NA	NA	NA	NA	NA
133	1.41	659	1,640	2,550	3,990	5,240	6,680
166	17.9	1,270	3,230	5,160	8,300	11,200	14,400
167	341	5,020	8,620	11,700	15,200	17,900	20,600
178	346	5,080	8,700	12,200	16,000	19,100	22,100
208	346	5,080	8,700	12,300	16,000	19,100	22,200
212	11.1	1,010	2,590	4,160	6,710	9,030	11,700
213	3.24	851	2,110	3,280	5,150	6,760	8,630
233	7.27	1,190	2,920	4,560	7,170	9,500	12,100
234	456	6,170	10,300	22,200	31,900	41,500	51,500
260	34.1	472	1,320	2,300	3,820	5,160	6,480
327	10.9	1,400	3,330	5,160	8,040	10,600	13,500
336	7.39	1,200	3,040	4,790	7,600	10,000	12,900
354	9.92	1,350	3,210	4,960	7,710	10,200	12,900
357	7.60	965	2,350	3,670	5,730	7,570	9,610
358	469	6,310	10,500	23,500	33,900	44,300	55,200
368	12.8	1,380	3,320	5,160	8,070	10,700	13,600
398	13.3	1,380	3,270	5,040	7,830	10,300	13,100
421	4.23	958	2,330	3,590	5,600	7,310	9,310
438	484	6,450	10,700	24,800	36,000	47,200	59,000
447	7.98	1,240	3,040	4,710	7,360	9,630	12,300
468	.70	428	1,010	1,540	2,370	3,070	3,880
474	7.09	1,190	2,910	4,510	7,040	9,220	11,800
478	NA	NA	NA	NA	NA	NA	NA
481	9.02	1,110	2,740	4,350	7,010	9,500	12,400
492	1.86	556	1,330	2,030	3,140	4,080	5,170
497	NA	NA	NA	NA	NA	NA	NA
508	5.94	839	2,240	3,640	5,960	8,090	10,500
533	10.5	1,110	2,740	4,300	6,790	9,010	11,500
534	9.35	1,370	3,360	5,230	8,190	10,700	13,700
563	488	6,460	10,700	24,400	35,500	46,500	58,200
564	8.25	832	2,250	3,710	6,120	8,360	11,000

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Table 85. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Republic County.—Continued

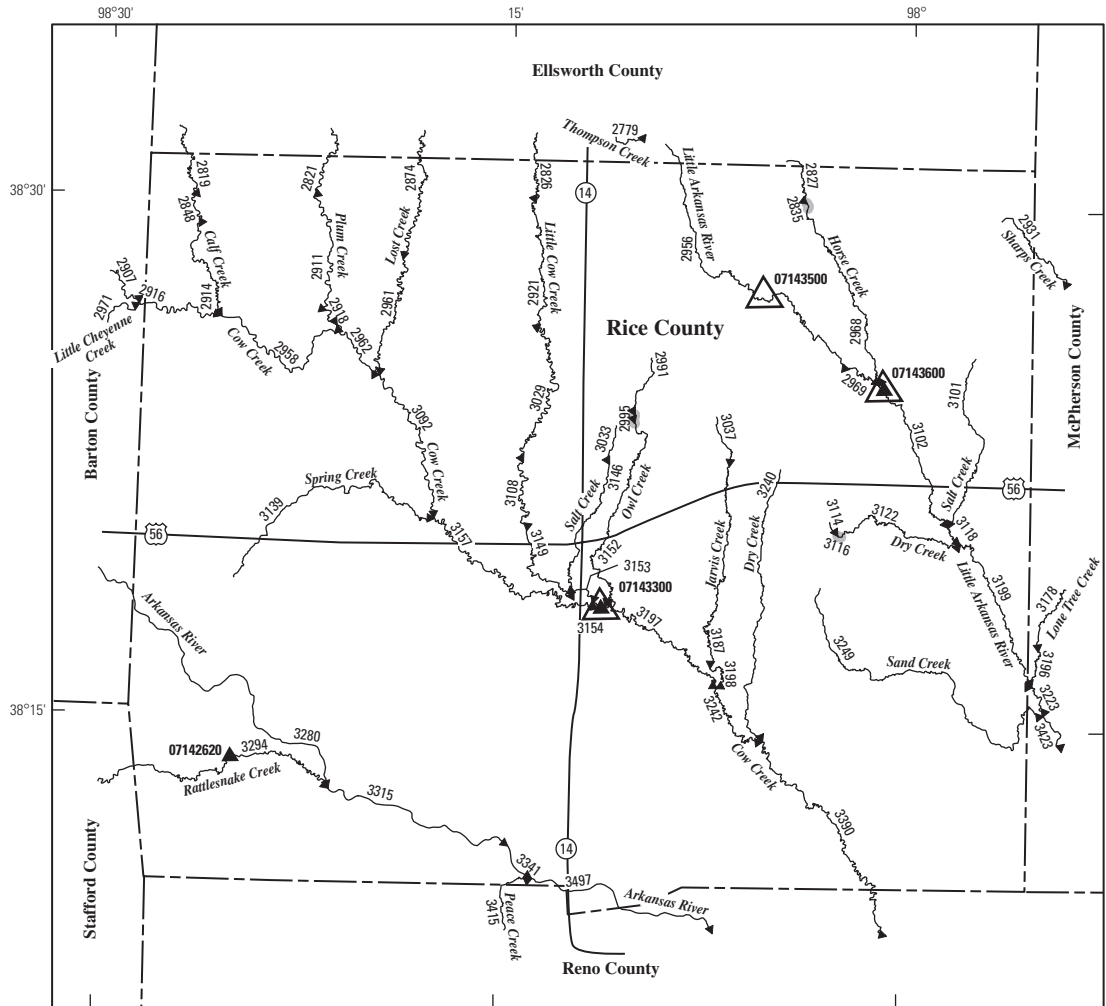
[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 89)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		593	1025001751	RP						Turkey Creek	7.73	0
594	1025001721	RP				East Creek	18.7	0	.05	1.11	2.68	6.94
627	1025001747	RP				Coal Creek	14.6	0	.22	1.11	2.27	5.42
628	1025001721	RP				East Creek	28.3	0	.36	1.89	4.66	11.5
645	1025001725	RP				West Salt Creek	61.9	0	.53	2.65	7.34	19.6
657	1025001728	RP				Republican River	21,200	119	157	250	542	1,120
661	1025001748	RP				Oak Creek	16.7	0	0	.23	.65	2.55
685	1025001722	RP				Salt Creek	71.2	0	1.23	4.34	11.4	28.9
686	1025001721	RP				East Creek	46.6	0	1.00	3.41	8.34	20.0
693	1025001715	RP				Elk Creek	40.8	0	.54	2.54	6.61	16.7
694	1025001715	RP				Elk Creek	40.8	0	.55	2.55	6.62	16.8
704	1025001720	RP				Salt Creek	118	.02	2.44	7.65	19.9	50.2

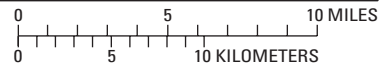
Table 85. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Republic County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 89)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
593	2.31	612	1,480	2,260	3,500	4,570	5,790
594	6.19	1,030	2,530	3,910	6,110	8,000	10,200
627	4.87	891	2,170	3,360	5,230	6,840	8,700
628	9.41	1,300	3,220	5,010	7,870	10,300	13,200
645	16.4	890	2,330	3,890	6,740	9,640	13,400
657	496	6,490	10,800	23,600	34,300	45,000	56,400
661	3.47	818	2,080	3,280	5,190	6,860	8,800
685	22.0	1,550	3,760	5,880	9,250	12,300	15,700
686	15.2	1,560	3,630	5,560	8,540	11,200	14,100
693	13.3	1,160	2,780	4,310	6,740	8,940	11,400
694	13.3	1,160	2,770	4,300	6,720	8,920	11,400
704	35.9	2,080	4,900	7,590	11,800	15,600	19,900



Base map from U.S. Geological Survey digital data, 1:2,000,000, 1994
 Albers Conic Equal-Area Projection,
 Standard parallels 29°30' and 45°30', central meridian 96°
 Horizontal coordinate information is referenced to the
 North American Datum of 1983 (NAD 83)



EXPLANATION

- ← 3294 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 07142620 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 07143300 △ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 2995 Lake and determination site identification number

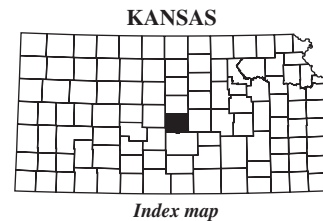


Figure 90. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Rice County.

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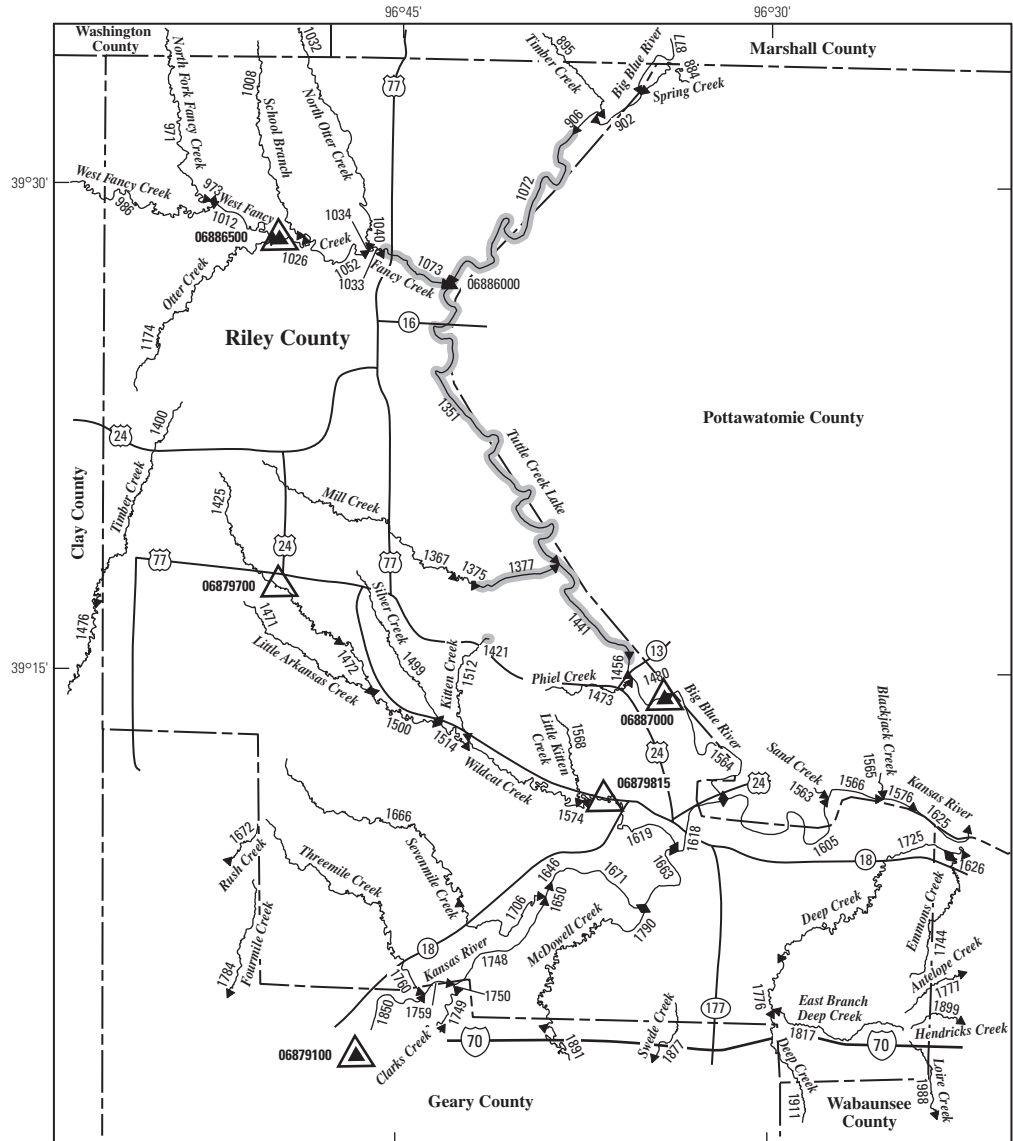
Table 86. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rice County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

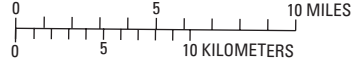
Determination site identification number (fig. 90)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		2835	HYDRO	RC						HYDRO	23.8	NA
2848	1103001116	RC				Calf Creek	40.7	0	0	0	0.19	2.21
2911	110300114	RC				Plum Creek	66.1	0	0	.68	2.11	7.25
2914	1103001116	RC				Calf Creek	49.1	0	0	.06	.54	3.18
2918	110300114	RC				Plum Creek	66.7	0	0	.68	2.14	7.34
2921	110300112	RC				Little Cow Creek	37.7	0	0	0	.29	2.61
2958	110300115	RC				Cow Creek	417	.90	3.01	5.63	14.4	66.1
2961	1103001117	RC				Lost Creek	44.4	0	0	.04	.50	3.19
2962	110300113	RC				Cow Creek	487	1.33	3.70	6.94	17.9	81.7
2968	1103001219	RC				Horse Creek	46.7	0	0	.68	1.77	5.46
2969	1103001214	RC				Little Arkansas River	42.1	0	0	.48	1.40	4.76
2991	1103001118	RC				Owl Creek	11.6	0	0	0	0	0
2995	HYDRO	RC				HYDRO	11.8	NA	NA	NA	NA	NA
3029	110300112	RC				Little Cow Creek	53.4	0	0	.34	1.25	5.20
3033	1103001121	RC				Salt Creek	3.43	0	0	0	0	0
3037	1103001119	RC				Jarvis Creek	9.57	0	0	0	0	0
3092	110300113	RC				Cow Creek	547	1.74	4.29	8.04	20.7	95.0
3101	1103001221	RC				Salt Creek	21.6	0	0	0	.31	2.44
3102	1103001214	RC				Little Arkansas River	101	0	.20	.80	1.90	6.90
3108	110300112	RC				Little Cow Creek	60.2	0	0	.50	1.68	6.39
3114	1103001222	RC				Dry Creek	3.29	0	0	0	0	0
3116	HYDRO	RC				HYDRO	3.72	NA	NA	NA	NA	NA
3118	1103001214	RC				Little Arkansas River	123	0	.04	.65	2.61	15.1
3122	1103001222	RC				Dry Creek	15.7	0	0	0	0	1.16
3139	1103001120	RC				Spring Creek	47.8	0	.43	1.09	2.05	5.33
3146	1103001121	RC				Salt Creek	8.99	0	0	0	0	.01
3149	110300112	RC				Little Cow Creek	63.0	0	0	.55	1.81	6.80
3152	1103001118	RC				Owl Creek	25.0	0	0	0	0	1.36
3153	110300112	RC				Little Cow Creek	72.4	0	0	.76	2.40	8.45
3154	110300111	RC				Cow Creek	703	3.20	6.50	12.0	30.0	133
3157	110300113	RC				Cow Creek	630	2.65	5.68	10.5	26.1	116
3187	1103001119	RC				Jarvis Creek	23.8	0	0	.02	.26	2.03
3197	110300111	RC				Cow Creek	744	3.55	7.09	13.3	33.0	141
3198	1103001119	RC				Jarvis Creek	24.6	0	0	.04	.33	2.18
3240	1103001122	RC				Dry Creek	21.4	0	.29	.73	1.09	2.76
3242	110300111	RC				Cow Creek	781	3.89	7.68	14.6	36.1	149
3294	110300091	RC	SF			Rattlesnake Creek	1,270	2.20	4.20	24.0	59.0	104
3315	110300105	RC				Arkansas River	34,900	68.0	110	207	406	900
3341	110300104	RC				Arkansas River	34,900	68.1	110	207	406	901

Table 86. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rice County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 90)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
2835	NA	NA	NA	NA	NA	NA	NA
2848	4.06	697	1,910	3,140	5,190	7,090	9,280
2911	8.20	834	1,730	2,530	3,810	4,960	6,290
2914	4.96	646	1,820	3,030	5,080	7,000	9,240
2918	8.27	815	1,690	2,480	3,730	4,870	6,180
2921	4.59	583	1,640	2,730	4,570	6,280	8,280
2958	42.5	1,470	3,630	5,750	9,280	12,600	16,600
2961	5.13	600	1,690	2,840	4,770	6,570	8,690
2962	51.3	1,610	3,960	6,290	10,200	13,900	18,300
2968	6.54	942	2,280	3,580	5,650	7,540	9,670
2969	6.04	926	1,370	1,660	2,030	2,300	2,560
2991	.72	613	1,580	2,490	3,960	5,230	6,720
2995	NA	NA	NA	NA	NA	NA	NA
3029	6.83	601	1,720	2,890	4,890	6,770	8,990
3033	0	302	757	1,180	1,850	2,430	3,110
3037	.59	560	1,430	2,240	3,550	4,690	6,020
3092	58.9	1,690	4,160	6,620	10,700	14,700	19,400
3101	3.87	938	2,410	3,800	6,050	8,010	10,300
3102	9.46	1,200	2,360	3,360	4,900	6,240	7,760
3108	7.84	644	1,830	3,080	5,190	7,190	9,530
3114	0	312	771	1,190	1,860	2,440	3,110
3116	NA	NA	NA	NA	NA	NA	NA
3118	16.2	1,460	3,030	4,440	6,640	8,600	10,800
3122	2.69	780	1,990	3,130	4,970	6,560	8,420
3139	6.06	801	2,010	3,170	5,020	6,670	8,530
3146	.45	529	1,350	2,130	3,380	4,470	5,730
3149	8.20	671	1,900	3,190	5,370	7,430	9,840
3152	3.27	962	2,510	4,000	6,400	8,510	11,000
3153	9.58	745	2,080	3,480	5,850	8,070	10,700
3154	79.6	1,940	4,690	7,420	12,000	16,400	21,700
3157	69.9	1,800	4,370	6,930	11,200	15,300	20,200
3187	3.62	953	2,470	3,930	6,280	8,330	10,700
3197	85.1	1,980	4,790	7,590	12,300	16,800	22,300
3198	3.76	974	2,530	4,010	6,420	8,520	11,000
3240	3.63	915	2,360	3,730	5,950	7,880	10,100
3242	90.4	2,070	5,010	7,930	12,800	17,500	23,200
3294	49.1	631	1,850	3,350	6,440	9,950	14,800
3315	433	3,940	8,400	15,400	22,100	28,800	35,900
3341	433	3,940	8,400	15,400	22,100	28,800	35,900



Base map from U.S. Geological Survey digital data, 1:2,000,000, 1994
 Albers Conic Equal-Area Projection,
 Standard parallels 29°30' and 45°30', central meridian 96°
 Horizontal coordinate information is referenced to the
 North American Datum of 1983 (NAD 83)



EXPLANATION

- ← 1672 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06887000 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06879700 ▽ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 1441 Lake and determination site identification number

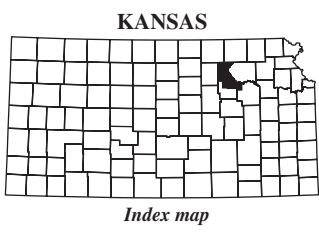


Figure 91. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Riley County.

526 Estimates of Flow Duration, Mean Flow, and Peak-Discharge Frequency Values for Kansas Stream Locations

Table 87. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Riley County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 91)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		902	102702057	RL						Big Blue River	9,150	269
906	102702057	RL				Big Blue River	9,170	269	377	592	1,220	3,360
971	1027020561	RL	WS			North Fork Fancy Creek	35.2	0	.31	2.37	6.30	16.4
973	102702059029	RL				Fancy Creek	140	0	1.74	8.40	18.6	47.4
1008	1027020563	RL	WS			School Branch	20.6	0	.08	1.55	4.28	11.3
1012	102702059029	RL				Fancy Creek	143	0	1.78	8.65	19.2	48.8
1026	102702059029	RL				Fancy Creek	182	0	2.00	11.0	23.0	59.0
1032	1027020562	RL	WS			North Otter Creek	39.6	0	.38	2.82	8.42	22.7
1033	1027020529	RL				West Fancy Creek	256	.48	3.49	16.4	38.8	104
1034	1027020529	RL				West Fancy Creek	216	.22	2.72	13.6	30.5	80.3
1040	102702059029	RL				Fancy Creek	257	.48	3.51	16.5	39.1	105
1052	102702059029	RL				Fancy Creek	216	.22	2.72	13.6	30.5	80.3
1073	HYDRO	RL				HYDRO	263	NA	NA	NA	NA	NA
1174	1027020567	RL				Otter Creek	37.3	0	.15	2.29	6.65	18.2
1367	1027020531	RL				Mill Creek	40.8	0	.33	2.83	8.75	24.1
1375	1027020531	RL				Mill Creek	42.8	0	.41	3.10	9.53	26.1
1377	HYDRO	RL				HYDRO	48.1	NA	NA	NA	NA	NA
1421	HYDRO	RL				HYDRO	2.81	NA	NA	NA	NA	NA
1425	102701012	RL				Wildcat Creek	21.8	0	0	.97	3.25	9.87
1456	102702052	RL				Big Blue River	9,620	178	443	973	2,450	6,490
1471	1027010113	RL				Little Arkansas Creek	22.9	0	0	1.11	3.69	11.0
1472	102701012	RL				Wildcat Creek	24.2	0	0	1.17	3.85	11.5
1473	1027020568	RL				Phiel Creek	8.86	0	0	1.06	2.64	6.64
1499	1027010112	RL				Silver Creek	12.8	0	0	.69	2.19	6.62
1500	102701012	RL				Wildcat Creek	54.4	0	.44	3.21	10.2	29.0
1512	1027010114	RL				Kitten Creek	11.6	0	0	1.12	3.03	7.97
1514	102701012	RL				Wildcat Creek	69.7	0	.78	4.34	13.7	38.7
1568	1027010116	RL				Little Kitten Creek	6.98	0	0	.65	1.63	4.51
1574	102701012	RL				Wildcat Creek	95.3	0	1.54	6.95	21.4	59.6
1619	102701012	RL				Wildcat Creek	111	0	2.17	8.87	26.6	72.6
1646	102701014	RL				Kansas River	43,800	422	660	1,390	3,410	7,650
1650	102701016	RL				Kansas River	43,800	422	660	1,390	3,410	7,650
1663	102701013	RL				Kansas River	43,900	427	668	1,410	3,440	7,710
1666	102701015	RL				Sevenmile Creek	37.3	0	.37	2.86	8.75	24.0
1671	102701013	RL				Kansas River	43,800	422	661	1,400	3,410	7,650
1706	102701015	RL				Sevenmile Creek	44.2	0	1.10	4.40	12.0	30.5
1725	1027010226	RL	WB			Deep Creek	63.9	0	1.34	6.79	21.3	58.2
1744	1027010266	RL	WB			Emmons Creek	12.0	0	0	.97	3.26	9.50

Table 87. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Riley County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 91)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
902	1,660	25,100	44,000	58,900	80,000	97,100	116,000
906	1,670	25,100	44,100	59,000	80,100	97,300	116,000
971	13.3	1,940	4,330	6,490	9,810	12,700	15,900
973	38.1	4,270	8,360	11,800	17,100	21,500	26,400
1008	9.09	1,260	2,980	4,550	7,010	9,120	11,600
1012	39.0	4,270	8,340	11,800	17,000	21,400	26,300
1026	47.4	5,690	10,600	14,600	20,500	25,400	30,700
1032	17.3	2,780	5,980	8,810	13,100	16,800	20,800
1033	75.0	6,760	12,800	17,700	25,100	31,300	38,000
1034	60.4	6,220	11,700	16,200	22,800	28,300	34,300
1040	75.5	6,680	12,600	17,500	24,900	31,000	37,700
1052	60.4	6,220	11,700	16,200	22,800	28,300	34,300
1073	NA	NA	NA	NA	NA	NA	NA
1174	14.8	2,340	5,150	7,670	11,500	14,900	18,600
1367	18.5	2,630	5,760	8,570	12,900	16,600	20,700
1375	19.6	2,660	5,830	8,680	13,000	16,800	20,900
1377	NA	NA	NA	NA	NA	NA	NA
1421	NA	NA	NA	NA	NA	NA	NA
1425	8.90	936	2,020	2,980	4,450	5,740	7,190
1456	2,490	16,600	25,500	36,300	41,900	46,700	49,500
1471	9.71	1,370	3,170	4,790	7,320	9,460	11,900
1472	10.0	1,010	2,190	3,220	4,820	6,210	7,780
1473	5.13	827	1,890	2,840	4,310	5,560	6,980
1499	5.99	1,010	2,310	3,480	5,300	6,830	8,600
1500	22.7	1,550	3,130	4,540	6,680	8,610	10,700
1512	6.34	963	2,200	3,310	5,020	6,470	8,130
1514	29.3	1,890	3,680	5,220	7,530	9,560	11,800
1568	3.89	740	1,670	2,490	3,750	4,810	6,030
1574	42.3	2,360	4,360	6,000	8,410	10,500	12,700
1619	50.0	2,470	4,380	5,880	8,030	9,800	11,700
1646	3,100	19,400	31,900	45,100	74,100	104,000	142,000
1650	3,100	19,400	31,900	45,100	74,100	104,000	142,000
1663	3,120	19,500	32,100	45,500	74,500	104,000	143,000
1666	18.2	2,680	5,770	8,530	12,700	16,300	20,200
1671	3,100	19,400	31,900	45,100	74,200	104,000	142,000
1706	21.8	2,480	5,320	7,850	11,700	15,000	18,600
1725	39.2	4,090	8,430	12,200	17,900	22,800	28,100
1744	7.68	1,140	2,530	3,760	5,650	7,230	9,040

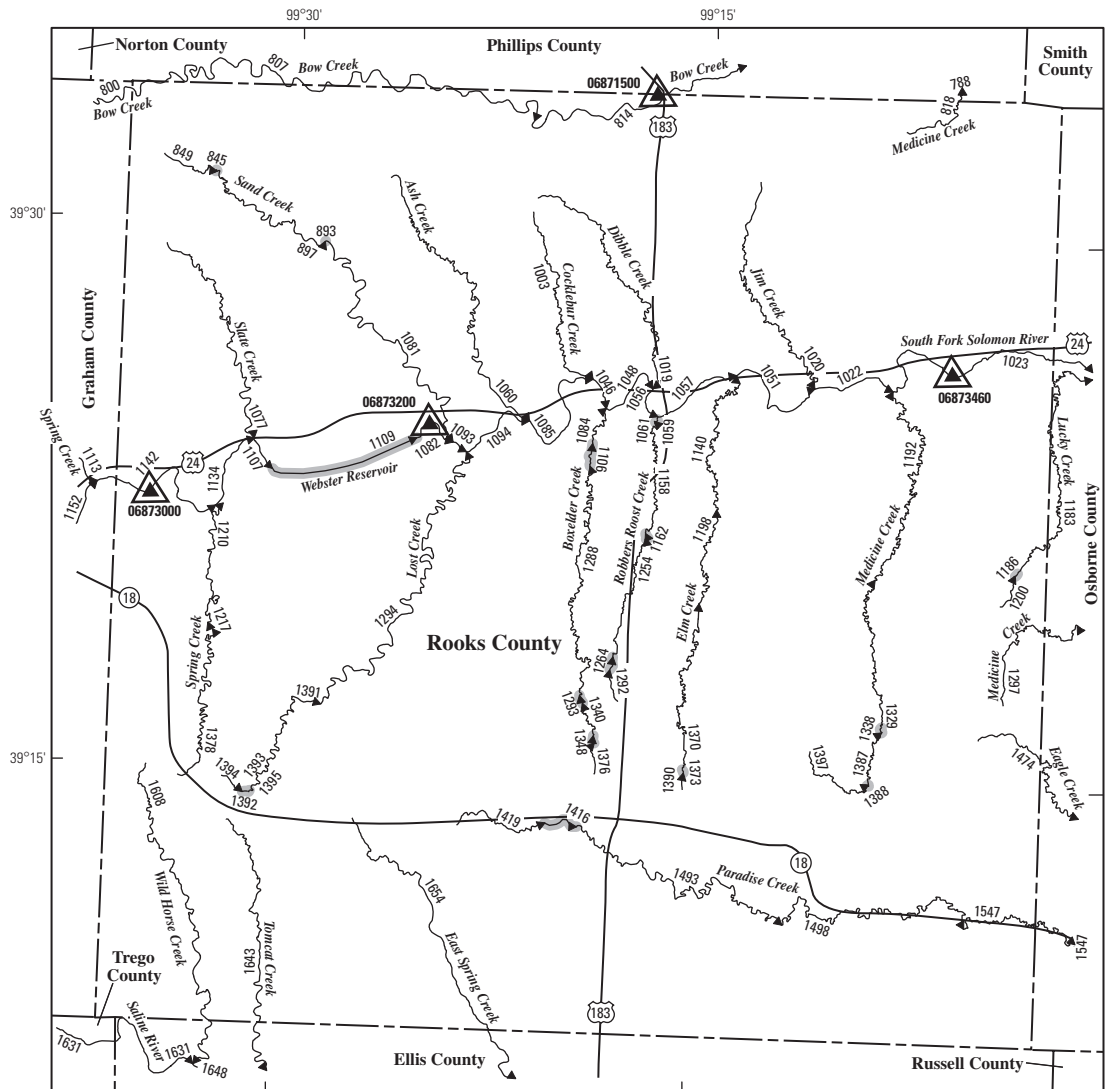
Table 87. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Riley County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 91)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		1748	102701016	RL						Kansas River	43,800	420
1749	102701018	RL				Clarks Creek	260	.36	4.29	18.7	62.2	189
1750	102701018	RL				Clarks Creek	260	.36	4.29	18.7	62.2	189
1759	102701016	RL				Kansas River	43,500	409	639	1,350	3,320	7,460
1760	1027010115	RL				Threemile Creek	22.9	0	.45	2.52	6.80	17.1
1776	1027010226	RL				Deep Creek	41.0	0	.56	4.23	13.8	38.1
1777	1027010267	RL	WB			Antelope Creek	7.45	0	0	.61	1.89	5.65
1790	1027010111	RL				McDowell Creek	88.1	0	1.66	8.34	26.9	75.8
1817	1027010272	RL				East Branch Deep Creek	12.0	0	0	1.53	4.61	12.3
1899	1027010273	RL	WB			Hendricks Creek	17.0	.01	.13	2.02	6.08	15.9
1988	1027010280	RL	WB			Loire Creek	24.1	.02	.25	2.70	8.50	22.6

Table 87. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Riley County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 91)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
1748	3,090	19,400	31,800	45,000	74,000	104,000	142,000
1749	125	5,300	10,900	15,800	23,400	30,000	37,500
1750	125	5,290	10,900	15,800	23,300	30,000	37,500
1759	3,020	19,100	31,200	44,100	73,100	102,000	140,000
1760	12.5	1,480	3,440	5,200	7,940	10,300	13,000
1776	26.6	5,550	10,600	14,800	20,800	25,900	31,200
1777	4.84	876	1,920	2,840	4,230	5,400	6,730
1790	51.0	4,080	8,670	12,800	19,100	24,500	30,500
1817	8.86	1,150	2,550	3,790	5,680	7,270	9,090
1899	11.7	1,430	3,190	4,740	7,130	9,130	11,400
1988	16.3	1,770	3,960	5,900	8,900	11,400	14,300



Base map from U.S. Geological Survey digital data, 1:2,000,000, 1994
 Albers Conic Equal-Area Projection,
 Standard parallels 29°30' and 45°30', central meridian 96°
 Horizontal coordinate information is referenced to the
 North American Datum of 1983 (NAD 83)



EXPLANATION

- 1643** Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06873200** U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06873460** U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 1416** Lake and determination site identification number

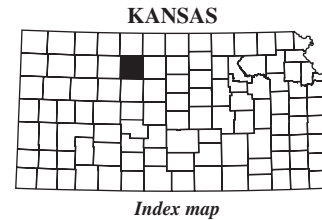


Figure 92. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Rooks County.

Table 88. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rooks County.[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 92)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
845	HYDRO	RO			HYDRO	9.06	NA	NA	NA	NA	NA	
849	10260014395	RO			Sand Creek	9.05	0	0	0	0	0	
893	HYDRO	RO			HYDRO	23.6	NA	NA	NA	NA	NA	
897	10260014395	RO			Sand Creek	23.6	0	0	0	0	0	
1003	1026001423	RO			Cocklebur Creek	14.4	0	0	0	0	0	
1019	10260014363	RO			Dibble Creek	24.0	0	0	0	0	0	
1020	1026001425	RO			Jim Creek	36.7	0	0	0	0	.25	
1022	102600147	RO			South Fork Solomon River	1,470	.33	1.00	4.98	27.4	105	
1046	102600149	RO			South Fork Solomon River	1,280	.15	.46	2.31	24.5	114	
1048	102600148	RO			South Fork Solomon River	1,320	.19	.58	2.88	25.1	112	
1051	102600147	RO			South Fork Solomon River	1,420	.29	.88	4.38	26.7	107	
1056	102600148	RO			South Fork Solomon River	1,350	.21	.65	3.24	25.5	111	
1057	102600148	RO			South Fork Solomon River	1,370	.24	.71	3.56	25.8	110	
1059	1026001424	RO			Robbers Roost Creek	17.8	0	0	0	0	0	
1060	1026001422	RO			Ash Creek	28.5	0	0	0	0	0	
1061	HYDRO	RO			HYDRO	17.8	NA	NA	NA	NA	NA	
1077	1026001325	RO			Slate Creek	41.2	0	0	0	0	0	
1081	10260014395	RO			Sand Creek	46.5	0	0	0	0	0	
1082	10260014798	RO			South Fork Solomon River	1,120	0	0	0	22.0	123	
1084	1026001414	RO			Boxelder Creek	38.0	0	0	0	0	0	
1085	102600149	RO			South Fork Solomon River	1,270	.14	.42	2.09	24.3	115	
1093	1026001410	RO			South Fork Solomon River	1,170	.04	.13	.67	22.7	121	
1094	102600149	RO			South Fork Solomon River	1,230	.11	.32	1.59	23.7	117	
1106	HYDRO	RO			HYDRO	36.6	NA	NA	NA	NA	NA	
1107	102600134	RO			South Fork Solomon River	1,100	.03	1.51	15.1	39.7	83.6	
1109	HYDRO	RO			HYDRO	1,120	NA	NA	NA	NA	NA	
1134	102600134	RO			South Fork Solomon River	1,060	.03	1.24	14.5	38.2	80.0	
1140	1026001415	RO			Elm Creek	48.0	0	0	0	0	.88	
1158	1026001424	RO			Robbers Roost Creek	17.7	0	0	0	0	0	
1162	HYDRO	RO			HYDRO	10.9	NA	NA	NA	NA	NA	
1186	HYDRO	RO			HYDRO	5.83	NA	NA	NA	NA	NA	
1192	1026001416	RO			Medicine Creek	72.7	0	0	.49	1.55	4.55	
1198	1026001415	RO			Elm Creek	37.6	0	0	0	0	0	
1200	1026001426	RO			Lucky Creek	5.65	0	0	0	0	0	
1210	10260013817	RO			Spring Creek	34.6	0	0	0	0	0	
1217	10260013817	RO			Spring Creek	18.0	0	0	0	0	0	
1254	1026001424	RO			Robbers Roost Creek	10.6	0	0	0	0	0	
1264	HYDRO	RO			HYDRO	3.13	NA	NA	NA	NA	NA	

Table 88. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rooks County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

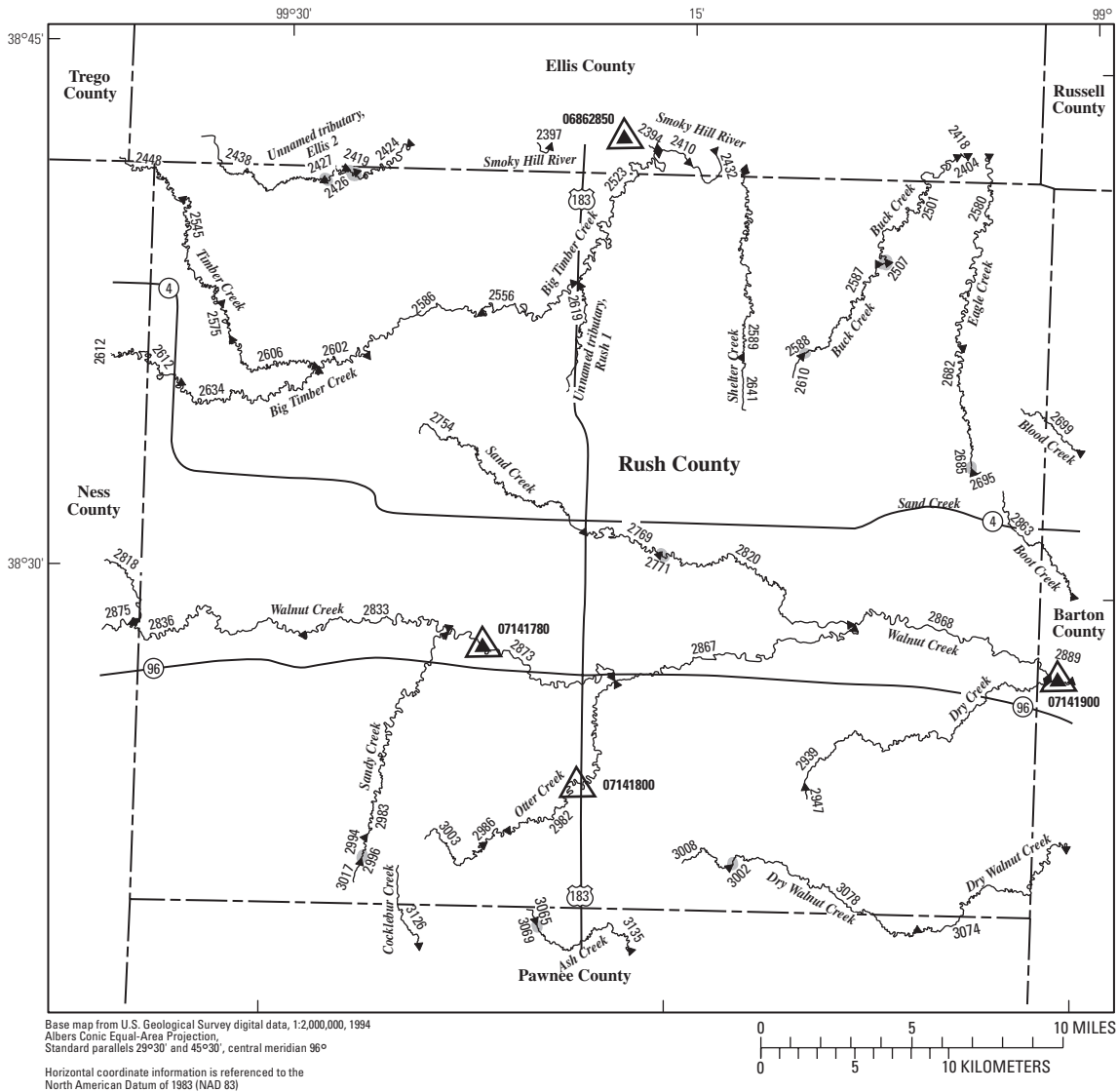
Determination site identification number (fig. 92)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
845	NA	NA	NA	NA	NA	NA	NA
849	0	290	858	1,440	2,420	3,310	4,360
893	NA	NA	NA	NA	NA	NA	NA
897	.47	514	1,550	2,620	4,440	6,100	8,080
1003	0	411	1,210	2,020	3,380	4,610	6,070
1019	.85	562	1,660	2,790	4,690	6,420	8,470
1020	2.11	537	1,530	2,550	4,270	5,880	7,740
1022	47.4	478	1,690	3,020	5,260	7,310	9,630
1046	40.2	346	1,150	1,980	3,320	4,510	5,820
1048	41.7	374	1,260	2,200	3,740	5,110	6,640
1051	45.8	448	1,570	2,780	4,820	6,680	8,770
1056	42.7	392	1,340	2,340	4,000	5,490	7,150
1057	43.5	408	1,400	2,470	4,230	5,820	7,600
1059	.28	475	1,390	2,330	3,910	5,330	7,020
1060	.97	602	1,800	3,040	5,140	7,040	9,320
1061	NA	NA	NA	NA	NA	NA	NA
1077	1.70	601	1,680	2,800	4,650	6,390	8,370
1081	2.07	519	1,510	2,550	4,320	5,990	7,930
1082	33.9	231	677	1,080	1,640	2,090	2,530
1084	1.70	454	1,340	2,290	3,900	5,430	7,220
1085	39.6	335	1,100	1,900	3,160	4,280	5,520
1093	35.7	265	814	1,340	2,130	2,800	3,490
1094	38.2	310	1,000	1,700	2,800	3,760	4,800
1106	NA	NA	NA	NA	NA	NA	NA
1107	58.3	2,950	8,700	15,200	27,200	39,500	55,200
1109	NA	NA	NA	NA	NA	NA	NA
1134	55.9	2,870	8,510	14,900	26,800	38,900	54,400
1140	2.78	494	1,460	2,480	4,240	5,900	7,860
1158	.28	475	1,390	2,330	3,900	5,320	7,010
1162	NA	NA	NA	NA	NA	NA	NA
1186	NA	NA	NA	NA	NA	NA	NA
1192	5.60	719	2,020	3,380	5,670	7,820	10,300
1198	1.82	429	1,280	2,200	3,770	5,260	7,010
1200	0	267	748	1,220	2,010	2,710	3,530
1210	1.12	435	1,280	2,190	3,720	5,170	6,870
1217	0	443	1,320	2,230	3,770	5,160	6,830
1254	0	353	1,020	1,700	2,830	3,850	5,060
1264	NA	NA	NA	NA	NA	NA	NA

Table 88. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rooks County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 92)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded					
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent	
		1288	1026001414	RO						Boxelder Creek	35.3	0	0
1292	1026001424	RO				Robbers Roost Creek	2.56	0	0	0	0	0	0
1293	HYDRO	RO				HYDRO	11.6	NA	NA	NA	NA	NA	NA
1294	1026001413	RO				Lost Creek	61.6	0	0	0	0	0	.87
1329	1026001416	RO				Medicine Creek	46.0	0	0	0	0	0	1.16
1338	HYDRO	RO				HYDRO	24.3	NA	NA	NA	NA	NA	NA
1340	1026001414	RO				Boxelder Creek	9.44	0	0	0	0	0	0
1348	HYDRO	RO				HYDRO	5.95	NA	NA	NA	NA	NA	NA
1370	1026001415	RO				Elm Creek	25.3	0	0	0	0	0	0
1373	HYDRO	RO				HYDRO	6.50	NA	NA	NA	NA	NA	NA
1376	1026001414	RO				Boxelder Creek	5.56	0	0	0	0	0	0
1378	10260013817	RO				Spring Creek	17.8	0	0	0	0	0	0
1387	1026001416	RO				Medicine Creek	23.5	0	0	0	0	0	0
1388	HYDRO	RO				HYDRO	18.6	NA	NA	NA	NA	NA	NA
1390	1026001415	RO				Elm Creek	5.88	0	0	0	0	0	0
1391	1026001413	RO				Lost Creek	13.9	0	0	0	0	0	0
1392	1026001413	RO				Lost Creek	1.92	0	0	0	0	0	0
1393	HYDRO	RO				HYDRO	1.92	NA	NA	NA	NA	NA	NA
1394	1026001413	RO				Lost Creek	1.79	0	0	0	0	0	0
1395	HYDRO	RO				HYDRO	1.99	NA	NA	NA	NA	NA	NA
1397	1026001416	RO				Medicine Creek	17.6	0	0	0	0	0	0
1416	HYDRO	RO				HYDRO	22.5	NA	NA	NA	NA	NA	NA
1419	102600097	RO				Paradise Creek	20.3	0	0	0	0	0	0
1493	102600097	RO				Paradise Creek	60.5	0	0	0	0	0	1.18
1498	102600097	RO				Paradise Creek	95.8	0	0	.05	1.05	5.95	

Table 88. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rooks County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 92)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
1288	1.45	431	1,280	2,190	3,750	5,230	6,960
1292	0	155	436	714	1,170	1,580	2,060
1293	NA	NA	NA	NA	NA	NA	NA
1294	2.93	528	1,560	2,660	4,540	6,330	8,440
1329	2.98	626	1,760	2,930	4,890	6,730	8,850
1338	NA	NA	NA	NA	NA	NA	NA
1340	0	328	950	1,580	2,630	3,570	4,690
1348	NA	NA	NA	NA	NA	NA	NA
1370	.81	590	1,740	2,910	4,900	6,690	8,830
1373	NA	NA	NA	NA	NA	NA	NA
1376	0	243	694	1,150	1,900	2,570	3,360
1378	0	440	1,310	2,210	3,740	5,130	6,780
1387	.88	592	1,720	2,870	4,800	6,530	8,600
1388	NA	NA	NA	NA	NA	NA	NA
1390	0	254	725	1,200	1,980	2,680	3,500
1391	0	373	1,110	1,880	3,170	4,340	5,730
1392	0	115	332	550	911	1,230	1,610
1393	NA	NA	NA	NA	NA	NA	NA
1394	0	111	319	527	872	1,180	1,540
1395	NA	NA	NA	NA	NA	NA	NA
1397	.30	499	1,440	2,400	4,000	5,440	7,150
1416	NA	NA	NA	NA	NA	NA	NA
1419	.07	497	1,470	2,480	4,180	5,730	7,570
1493	3.13	476	1,470	2,560	4,480	6,330	8,560
1498	6.58	652	1,980	3,430	6,010	8,520	11,500



EXPLANATION

- ← 3126 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 07141900 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 07141800 △ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 3002 Lake and determination site identification number

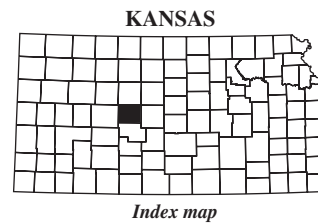


Figure 93. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Rush County.

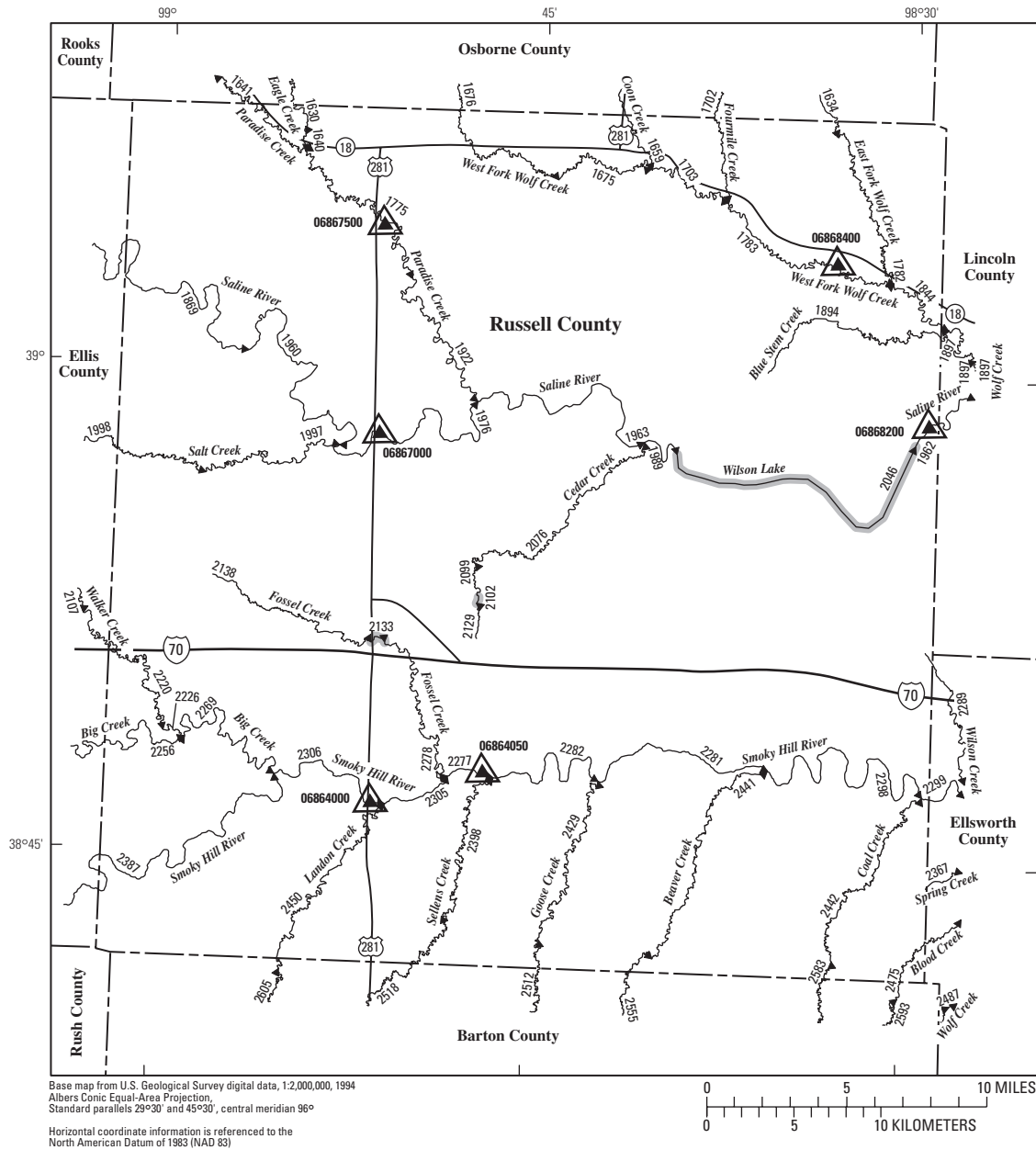
Table 89. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rush County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 93)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		2426	HYDRO	RH					HYDRO	24.2	NA	NA
2507	HYDRO	RH			HYDRO	25.2	NA	NA	NA	NA	NA	
2545	1026000626	RH			Timber Creek	55.5	0	0	0	0	0	
2556	1026000625	RH			Big Timber Creek	177	0	0	.17	1.20	4.58	
2575	1026000626	RH			Timber Creek	59.1	0	0	0	0	0	
2586	1026000625	RH			Big Timber Creek	165	0	0	.06	.90	3.85	
2587	1026000629	RH			Buck Creek	24.0	0	0	0	0	0	
2588	HYDRO	RH			HYDRO	8.66	NA	NA	NA	NA	NA	
2602	1026000625	RH			Big Timber Creek	145	0	0	0	.49	2.84	
2606	1026000626	RH			Timber Creek	65.9	0	0	0	0	0	
2610	1026000629	RH			Buck Creek	8.64	0	0	0	0	0	
2619	1026000628	RH			Unnamed tributary, Rush 1	21.0	0	0	0	0	0	
2634	1026000627	RH			Big Timber Creek	72.3	0	0	0	0	0	
2641	1026000643	RH			Shelter Creek	18.4	0	0	0	0	0	
2682	1026000630	RH			Eagle Creek	23.8	0	0	0	0	0	
2685	HYDRO	RH			HYDRO	7.82	NA	NA	NA	NA	NA	
2695	1026000630	RH			Eagle Creek	7.47	0	0	0	0	0	
2754	110300083	RH			Sand Creek	41.4	0	0	0	0	0	
2769	110300083	RH			Sand Creek	54.4	0	0	0	0	0	
2771	HYDRO	RH			HYDRO	55.3	NA	NA	NA	NA	NA	
2820	110300083	RH			Sand Creek	82.3	0	0	0	0	1.41	
2833	110300086	RH			Walnut Creek	1,360	0	0	.79	11.3	26.5	
2867	110300084	RH			Walnut Creek	1,530	0	0	1.37	15.9	39.1	
2873	110300085	RH			Walnut Creek	1,460	0	0	1.00	13.0	30.0	
2947	1103000814	RH			Dry Creek	5.67	0	0	0	0	0	
2982	1103000812	RH			Otter Creek	38.5	0	0	0	0	0	
2983	1103000811	RH			Sandy Creek	75.9	0	0	0	0	.10	
2986	1103000812	RH			Otter Creek	13.7	0	0	0	0	0	
2994	1103000811	RH			Sandy Creek	45.4	0	0	0	0	0	
2996	HYDRO	RH			HYDRO	39.9	NA	NA	NA	NA	NA	
3002	HYDRO	RH			HYDRO	16.3	NA	NA	NA	NA	NA	
3003	1103000812	RH			Otter Creek	9.98	0	0	0	0	0	
3008	110300049013	RH			Dry Walnut Creek	16.3	0	0	0	0	0	
3017	1103000811	RH			Sandy Creek	39.7	0	0	0	0	0	

Table 89. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Rush County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 93)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
2426	NA	NA	NA	NA	NA	NA	NA
2507	NA	NA	NA	NA	NA	NA	NA
2545	1.43	376	1,190	2,100	3,710	5,270	7,130
2556	6.79	611	1,910	3,370	5,960	8,500	11,600
2575	1.59	383	1,220	2,150	3,790	5,390	7,310
2586	6.14	604	1,890	3,320	5,860	8,350	11,400
2587	.69	621	1,790	2,980	4,960	6,740	8,860
2588	NA	NA	NA	NA	NA	NA	NA
2602	5.20	569	1,780	3,140	5,550	7,900	10,700
2606	1.87	385	1,230	2,180	3,870	5,520	7,500
2610	0	337	956	1,570	2,600	3,520	4,600
2619	.27	530	1,550	2,600	4,360	5,950	7,840
2634	1.96	382	1,230	2,190	3,910	5,600	7,630
2641	.15	515	1,490	2,470	4,130	5,610	7,370
2682	.72	613	1,770	2,940	4,910	6,680	8,790
2685	NA	NA	NA	NA	NA	NA	NA
2695	0	310	877	1,440	2,380	3,210	4,190
2754	1.06	389	1,200	2,100	3,660	5,170	6,950
2769	1.90	436	1,340	2,340	4,080	5,770	7,770
2771	NA	NA	NA	NA	NA	NA	NA
2820	3.82	520	1,590	2,760	4,810	6,780	9,140
2833	22.9	978	2,380	3,740	5,950	7,970	10,300
2867	31.8	1,070	2,470	3,760	5,800	7,610	9,670
2873	24.8	1,000	2,390	3,700	5,790	7,670	9,830
2947	0	255	723	1,190	1,960	2,650	3,460
2982	1.44	394	955	1,470	2,280	2,990	3,790
2983	2.59	550	1,660	2,870	4,960	6,970	9,360
2986	0	377	1,090	1,800	3,000	4,070	5,340
2994	.99	661	1,860	3,100	5,170	7,120	9,350
2996	NA	NA	NA	NA	NA	NA	NA
3002	NA	NA	NA	NA	NA	NA	NA
3003	0	313	908	1,510	2,510	3,410	4,480
3008	.09	458	1,340	2,230	3,730	5,080	6,680
3017	.69	710	1,950	3,210	5,300	7,240	9,450



EXPLANATION

- ← 2387 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06864000 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06864050 △ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 2102 — Lake and determination site identification number

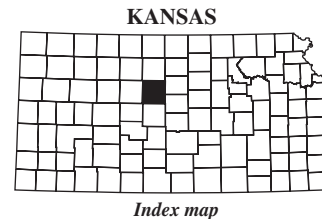


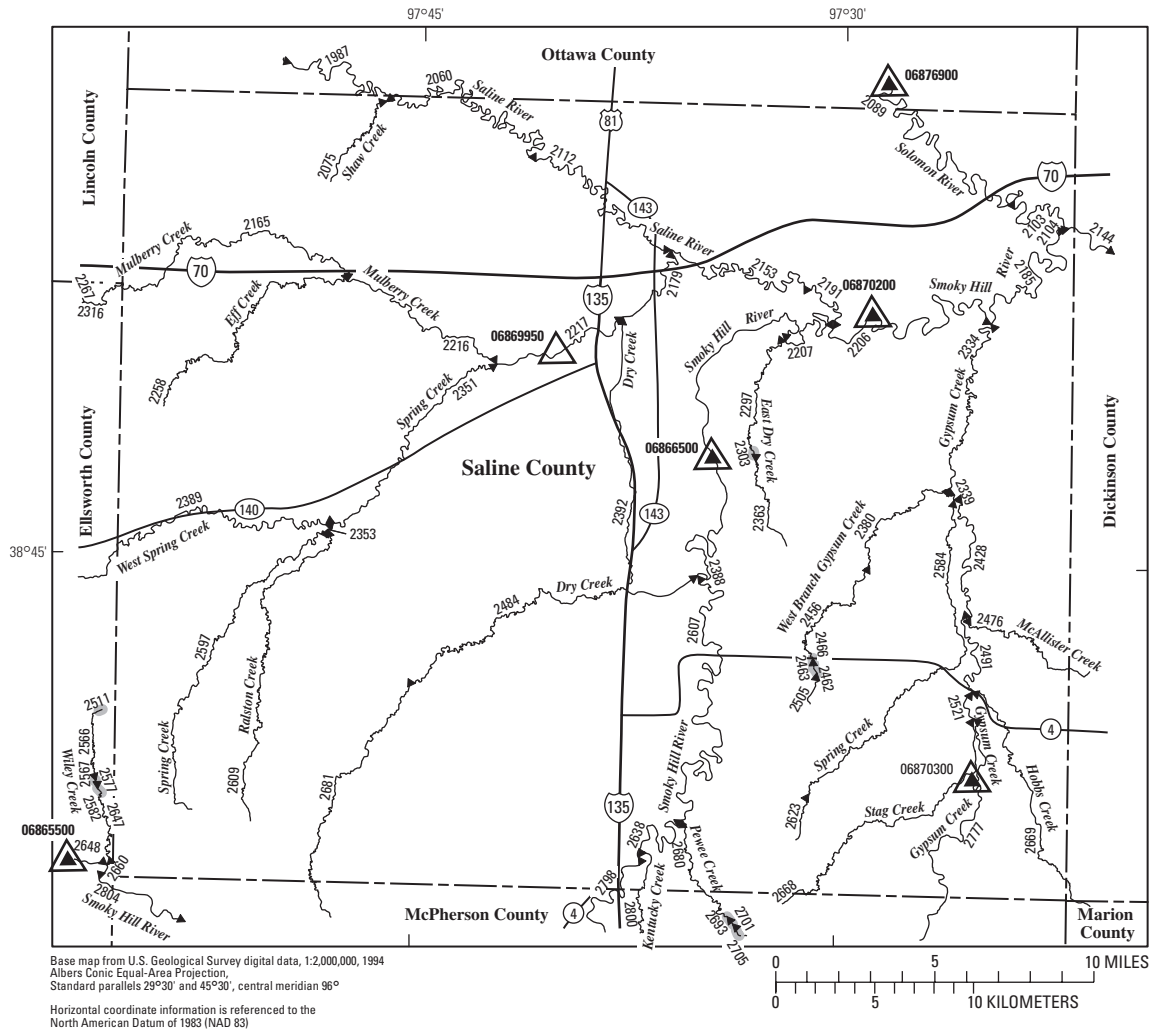
Figure 94. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Russell County.

Table 90. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Russell County.[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 94)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		1640	102600096	RS						Eagle Creek	64.1	0
1675	1026001012	RS				West Fork Wolf Creek	71.3	0	0	.76	2.30	6.32
1703	1026001012	RS				West Fork Wolf Creek	116	.32	.35	1.41	4.26	11.3
1775	102600095	RS				Paradise Creek	240	0	0	.13	4.00	26.0
1782	1026001011	RS				East Fork Wolf Creek	67.6	0	.03	1.40	3.67	9.40
1783	1026001012	RS				West Fork Wolf Creek	172	.70	1.10	2.20	6.80	18.0
1922	102600095	RS				Paradise Creek	263	0	.32	.91	5.91	30.5
1960	102600099	RS				Saline River	1,420	4.07	10.4	27.1	64.6	145
1963	102600094	RS				Saline River	1,800	6.21	15.5	39.2	91.6	210
1976	102600098	RS				Saline River	1,500	4.80	12.0	31.0	73.0	165
1989	102600094	RS				Saline River	1,870	6.63	16.6	41.7	97.3	224
1997	1026000920	RS				Salt Creek	52.3	0	.01	.69	1.96	5.33
2046	HYDRO	RS				HYDRO	1,930	NA	NA	NA	NA	NA
2076	1026000930	RS				Cedar Creek	57.7	0	.20	1.81	4.51	10.9
2099	1026000930	RS				Cedar Creek	16.3	0	0	0	0	0
2102	HYDRO	RS				HYDRO	12.2	NA	NA	NA	NA	NA
2129	1026000930	RS				Cedar Creek	11.9	0	0	0	0	0
2133	HYDRO	RS				HYDRO	41.7	NA	NA	NA	NA	NA
2138	1026000613	RS				Fossil Creek	37.3	0	0	0	0	1.39
2226	102600072	RS				Walker Creek	59.7	0	0	0	.36	2.22
2269	102600071	RS				Big Creek	862	1.94	5.27	11.7	28.4	61.9
2277	1026000612	RS				Smoky Hill River	7,250	8.50	17.0	34.0	77.0	198
2278	1026000613	RS				Fossil Creek	59.3	0	0	.51	1.62	5.26
2281	1026000611	RS				Smoky Hill River	7,400	11.3	21.5	42.1	93.0	240
2282	1026000611	RS				Smoky Hill River	7,320	9.83	19.2	37.9	84.7	218
2298	1026000610	RS				Smoky Hill River	7,490	12.9	24.1	46.9	102	264
2305	1026000614	RS				Smoky Hill River	7,190	12.1	19.4	34.5	76.0	202
2306	1026000615	RS				Smoky Hill River	7,120	16.0	22.0	35.0	75.0	206
2398	1026000632	RS				Sellens Creek	53.5	0	0	.47	1.48	4.75
2429	1026000639	RS				Goose Creek	42.2	0	0	.37	1.16	3.87
2441	1026000633	RS				Beaver Creek	52.3	0	0	.94	2.49	6.79
2442	1026000634	RS				Coal Creek	53.6	0	.07	1.40	3.57	9.10

Table 90. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Russell County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 94)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
1640	5.99	731	2,060	3,440	5,790	8,010	10,600
1675	6.94	998	2,570	4,120	6,650	8,980	11,600
1703	11.0	1,310	3,210	5,050	8,040	10,800	13,900
1775	19.4	947	3,160	5,780	10,800	15,900	22,400
1782	8.95	1,000	2,630	4,270	6,940	9,400	12,200
1783	16.2	1,570	3,660	5,600	8,730	11,600	14,800
1922	22.3	1,020	3,350	6,080	11,300	16,600	23,300
1960	87.8	2,280	6,720	11,700	20,800	30,200	42,000
1963	125	2,800	7,860	13,400	23,500	33,700	46,500
1976	98.4	2,270	6,630	11,500	20,500	29,700	41,400
1989	133	2,950	8,210	13,900	24,300	34,700	47,900
1997	5.74	827	2,240	3,660	6,020	8,200	10,700
2046	NA	NA	NA	NA	NA	NA	NA
2076	9.43	1,230	3,070	4,860	7,710	10,300	13,200
2099	1.46	645	1,730	2,790	4,510	6,030	7,820
2102	NA	NA	NA	NA	NA	NA	NA
2129	.76	539	1,440	2,300	3,710	4,950	6,410
2133	NA	NA	NA	NA	NA	NA	NA
2138	3.35	558	1,590	2,660	4,470	6,170	8,140
2226	4.11	543	1,600	2,720	4,660	6,490	8,660
2269	50.7	1,760	4,440	7,030	11,200	15,000	19,300
2277	128	4,010	9,850	14,800	22,100	27,900	33,900
2278	6.51	810	2,210	3,630	6,000	8,200	10,700
2281	153	5,280	11,500	17,400	25,000	31,400	37,600
2282	140	4,620	10,700	16,100	23,500	29,600	35,700
2298	167	6,020	12,500	18,900	26,600	33,500	39,800
2305	138	5,610	12,000	17,300	24,900	31,000	37,400
2306	148	7,340	14,400	19,900	27,900	34,300	41,100
2398	5.86	707	1,970	3,270	5,460	7,500	9,870
2429	5.01	758	2,040	3,340	5,480	7,450	9,710
2441	7.10	915	2,400	3,890	6,310	8,530	11,100
2442	8.52	982	2,550	4,100	6,620	8,930	11,600



EXPLANATION

- ← 2804 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06865500 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06869950 △ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 2701 Lake and determination site identification number

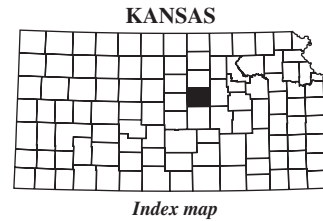


Figure 95. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Saline County.

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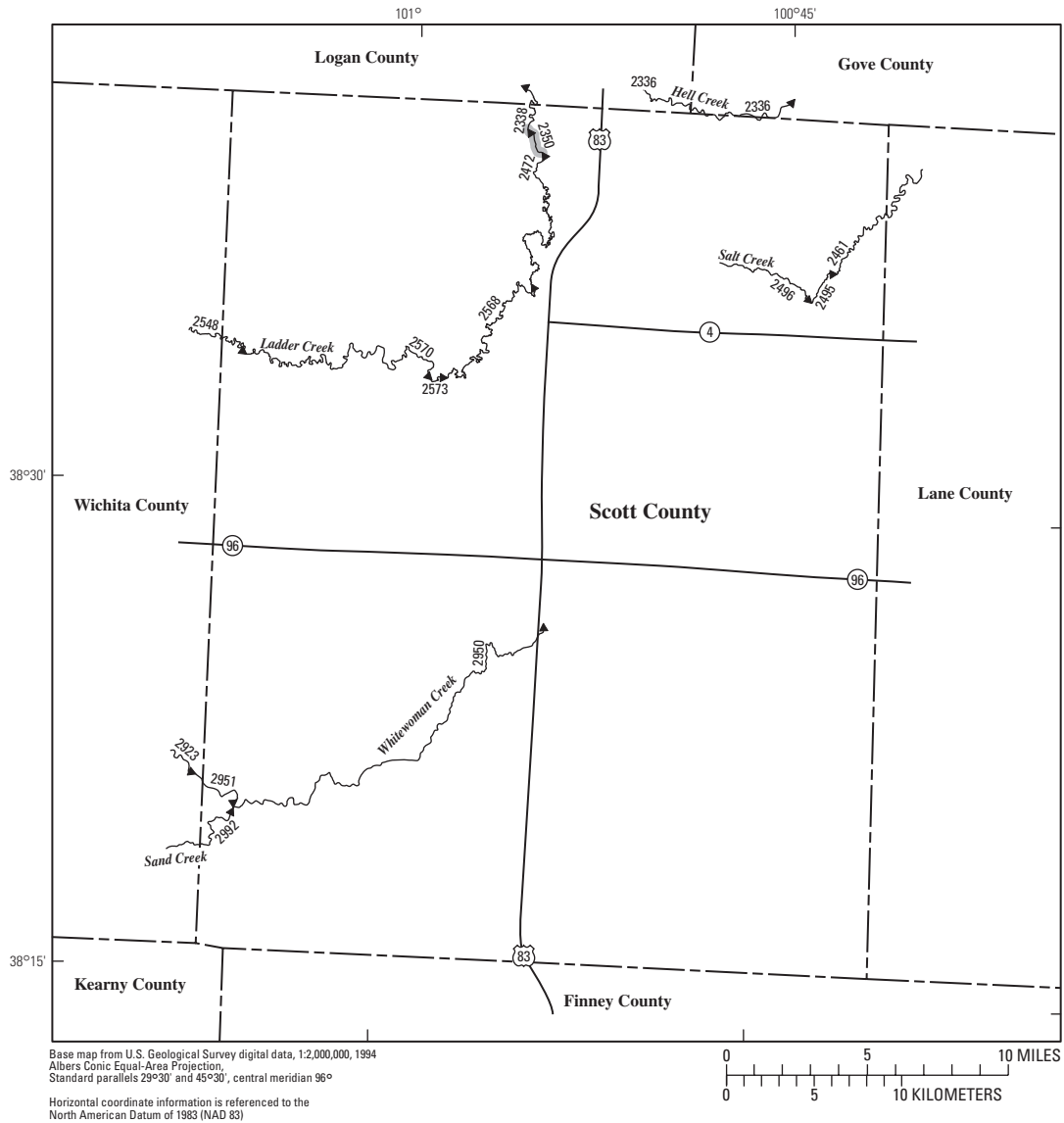
Table 91. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Saline County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 95)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		2075	1026001041	SA						Shaw Creek	13.6	0
2103	102600151	SA				Solomon River	6,910	57.1	85.2	174	458	1,400
2104	1026000810	SA				Smoky Hill River	12,200	66.7	133	264	520	1,290
2112	102600102	SA				Saline River	2,980	15.8	25.4	47.7	132	510
2153	102600101	SA				Saline River	3,320	17.9	28.9	54.4	149	562
2179	1026001019	SA				Mulberry Creek	321	1.38	7.22	21.9	54.0	132
2185	1026000811	SA				Smoky Hill River	12,200	75.1	123	238	592	1,950
2191	102600101	SA				Saline River	3,320	18.0	28.9	54.5	149	563
2206	1026000812	SA				Smoky Hill River	11,900	70.5	116	224	557	1,870
2207	1026000813	SA				Smoky Hill River	8,550	41.2	72.3	136	317	954
2216	1026001021	SA				Mulberry Creek	137	0	3.10	9.51	23.2	54.5
2217	1026001020	SA				Mulberry Creek	292	1.14	6.65	20.2	49.7	120
2258	1026001023	SA				Eff Creek	35.0	0	.71	2.69	6.09	13.6
2297	1026000843	SA				East Dry Creek	19.6	0	.23	1.50	3.49	8.39
2303	HYDRO	SA				HYDRO	11.5	NA	NA	NA	NA	NA
2334	1026000818	SA				Gypsum Creek	284	1.27	4.84	19.7	50.0	129
2339	1026000818	SA				Gypsum Creek	232	.83	3.60	15.8	39.5	101
2351	1026001024	SA				Spring Creek	140	0	3.19	9.86	24.1	56.4
2353	1026001026	SA				Spring Creek	55.1	0	1.16	3.98	9.30	20.9
2363	1026000843	SA				East Dry Creek	11.5	0	.11	.93	1.86	4.43
2380	1026000844	SA				West Branch Gypsum Creek	30.4	0	.70	2.69	6.43	15.1
2388	1026000813	SA				Smoky Hill River	8,520	41.0	72.0	135	315	948
2392	1026001029	SA				Dry Creek	24.3	0	0	.77	2.05	6.01
2428	1026000818	SA				Gypsum Creek	203	.58	2.89	13.5	33.5	85.1
2456	1026000844	SA				West Branch Gypsum Creek	18.1	0	.44	1.76	3.81	8.67
2462	HYDRO	SA				HYDRO	6.53	NA	NA	NA	NA	NA
2463	1026000844	SA				West Branch Gypsum Creek	5.72	0	.15	.52	.58	1.42
2466	HYDRO	SA				HYDRO	5.72	NA	NA	NA	NA	NA
2484	1026000836	SA				Dry Creek	99.7	0	1.79	6.04	15.6	38.6
2491	1026000818	SA				Gypsum Creek	171	.42	2.34	11.4	27.1	66.5
2505	1026000844	SA				West Branch Gypsum Creek	5.67	0	.15	.51	.56	1.38
2521	1026000818	SA				Gypsum Creek	139	.19	1.61	8.86	19.8	46.5
2584	1026000845	SA				Spring Creek	28.6	0	.59	2.47	6.05	14.5
2597	1026001027	SA				Spring Creek	25.9	0	.33	1.70	3.69	8.25
2607	1026000813	SA				Smoky Hill River	8,400	35.6	63.7	120	284	876
2609	1026001028	SA				Ralston Creek	29.2	0	.56	2.27	4.99	11.0
2623	1026000845	SA				Spring Creek	5.74	0	.02	.16	.35	1.10
2638	1026000813	SA				Smoky Hill River	8,360	33.6	60.7	115	272	851

Table 91. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Saline County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 95)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
2075	3.74	739	1,860	2,920	4,600	6,070	7,770
2103	563	5,200	10,500	18,300	28,000	38,600	50,700
2104	615	8,240	21,200	35,100	60,000	84,800	116,000
2112	219	2,580	5,130	6,920	9,200	10,900	12,500
2153	237	2,720	5,380	7,250	9,760	11,700	13,800
2179	82.1	2,500	4,930	6,980	10,000	12,600	15,400
2185	722	6,300	12,200	16,300	25,000	35,300	47,000
2191	237	2,720	5,380	7,250	9,770	11,700	13,800
2206	688	6,050	11,600	15,500	24,000	34,000	45,500
2207	383	4,370	7,910	8,840	15,100	22,100	32,100
2216	36.3	1,910	4,350	6,630	10,200	13,300	16,900
2217	74.7	2,310	4,530	6,380	9,100	11,400	13,900
2258	10.1	921	2,310	3,670	5,820	7,770	9,960
2297	6.86	1,040	2,560	3,970	6,220	8,150	10,400
2303	NA	NA	NA	NA	NA	NA	NA
2334	82.8	3,180	6,410	9,260	13,700	17,600	21,900
2339	66.4	3,220	6,360	9,090	13,200	16,900	20,900
2351	37.2	1,820	4,190	6,400	9,880	13,000	16,500
2353	15.0	1,240	3,020	4,710	7,400	9,810	12,500
2363	4.00	764	1,860	2,870	4,460	5,830	7,420
2380	11.3	1,210	2,890	4,470	6,930	9,120	11,500
2388	381	4,360	7,890	8,800	15,000	22,000	32,000
2392	6.22	1,150	2,860	4,460	7,010	9,220	11,800
2428	57.1	2,970	5,860	8,340	12,100	15,400	19,100
2456	6.80	1,020	2,480	3,840	5,990	7,840	9,990
2462	NA	NA	NA	NA	NA	NA	NA
2463	1.81	523	1,250	1,900	2,930	3,810	4,820
2466	NA	NA	NA	NA	NA	NA	NA
2484	27.9	1,720	4,190	6,580	10,400	13,800	17,800
2491	45.6	2,860	5,520	7,760	11,100	14,100	17,200
2505	1.78	520	1,240	1,890	2,920	3,790	4,800
2521	33.3	2,530	4,810	6,690	9,490	11,900	14,500
2584	11.0	1,380	3,380	5,230	8,160	10,700	13,600
2597	6.71	994	2,580	4,100	6,550	8,700	11,200
2607	351	3,780	7,080	8,390	14,000	20,200	28,700
2609	8.33	1,100	2,840	4,500	7,180	9,510	12,300
2623	1.69	523	1,250	1,910	2,940	3,820	4,830
2638	341	3,570	6,790	8,250	13,700	19,500	27,500



EXPLANATION

- ← 2992 **Location of streamflow-statistics determination site (small triangle) and associated identification number**—small triangle points in downstream direction
- 06844900 ▲ **U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration**
- 06846000 ▲ **U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values**
- 2350 **Lake and determination site identification number**

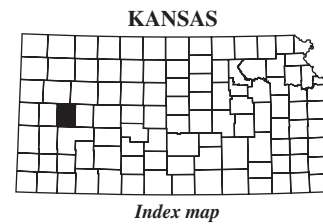


Figure 96. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Scott County.

550 Estimates of Flow Duration, Mean Flow, and Peak-Discharge Frequency Values for Kansas Stream Locations

Table 92. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Scott County.

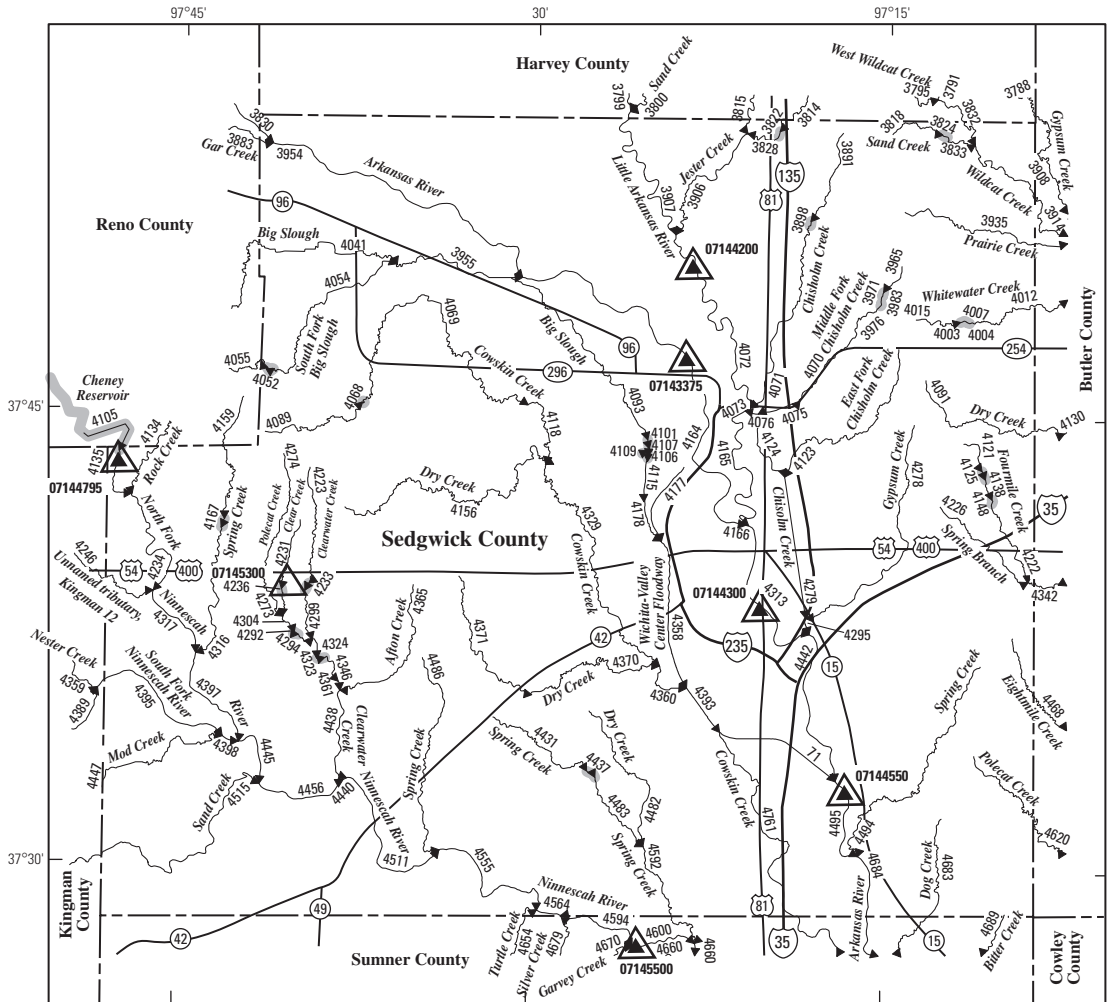
[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 96)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		2350	HYDRO	SC						HYDRO	1,190	NA
2472	102600045	SC				Ladder Creek	1,190	0	0.21	0.85	0.86	2.87
2495	1026000326	SC				Salt Creek	58.7	0	0	0	0	0
2496	1026000326	SC				Salt Creek	52.5	0	0	0	0	0
2548	102600045	SC	WH			Ladder Creek	1,020	0	.15	.63	.63	1.26
2568	102600045	SC				Ladder Creek	1,150	0	.19	.81	.82	2.30
2570	102600045	SC				Ladder Creek	1,090	0	.17	.72	.73	1.40
2573	102600045	SC				Ladder Creek	1,100	0	.18	.73	.74	1.54
2950	110300021	SC				Whitewoman Creek	1,480	0	0	0	0	2.23
2951	110300022	SC	WH			Whitewoman Creek	941	0	0	0	0	0
2992	110300023	SC	WH			Sand Creek	228	0	0	0	0	0

Table 92. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Scott County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 96)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
2350	NA	NA	NA	NA	NA	NA	NA
2472	3.97	594	2,320	4,610	9,370	14,700	22,000
2495	0	421	1,330	2,330	4,090	5,810	7,850
2496	0	378	1,210	2,130	3,770	5,380	7,280
2548	2.27	557	2,160	4,250	8,550	13,300	19,700
2568	3.56	592	2,300	4,560	9,240	14,500	21,600
2570	2.87	570	2,220	4,390	8,870	13,900	20,700
2573	2.99	576	2,240	4,430	8,960	14,000	20,900
2950	7.01	707	2,830	5,810	12,200	19,600	29,600
2951	2.14	307	1,640	3,750	8,680	14,600	22,800
2992	.22	385	1,370	2,560	4,800	7,100	9,960



Base map from U.S. Geological Survey digital data, 1:2,000,000, 1994
 Albers Conic Equal-Area Projection,
 Standard parallels 29°30' and 45°30', central meridian 96°
 Horizontal coordinate information is referenced to the
 North American Datum of 1983 (NAD 83)

EXPLANATION

- ◀ 4511 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- ▲ 07144550 U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- △ 07145300 U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 4437 Lake and determination site identification number

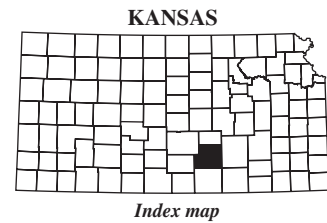


Figure 97. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Sedgwick County.

554 Estimates of Flow Duration, Mean Flow, and Peak-Discharge Frequency Values for Kansas Stream Locations

Table 93. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Sedgwick County.

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 97)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		71	11030013456	SG						Wichita-Valley Center Floodway	199	3.10
3822	HYDRO	SG				HYDRO	8.21	NA	NA	NA	NA	NA
3824	HYDRO	SG				HYDRO	6.22	NA	NA	NA	NA	NA
3828	1103001217	SG				Gooseberry Creek	11.4	0	0	.36	1.03	3.66
3833	1103001729	SG				Sand Creek	8.10	0	0	.01	.01	1.45
3891	110300121693	SG				Chisholm Creek	13.3	0	0	.45	1.34	4.52
3898	HYDRO	SG				HYDRO	13.4	NA	NA	NA	NA	NA
3906	110300122	SG				Jester Creek	63.7	0	1.34	4.12	10.7	27.8
3954	110300101	SG				Arkansas River	36,400	77.7	142	291	561	1,200
3955	110300109011	SG				Big Slough	59.2	.17	1.60	4.11	9.60	23.1
3965	11030012817	SG				Middle Fork Chisholm Creek	6.56	0	0	0	0	.82
3971	HYDRO	SG				HYDRO	6.73	NA	NA	NA	NA	NA
3976	11030012817	SG				Middle Fork Chisholm Creek	7.31	0	0	0	0	1.21
3983	HYDRO	SG				HYDRO	7.37	NA	NA	NA	NA	NA
4003	HYDRO	SG				HYDRO	6.76	NA	NA	NA	NA	NA
4004	1103001734	SG				Whitewater Creek	6.76	0	0	0	.01	.54
4007	HYDRO	SG				HYDRO	6.87	NA	NA	NA	NA	NA
4015	1103001734	SG				Whitewater Creek	5.34	0	0	0	0	0
4052	HYDRO	SG				HYDRO	4.75	NA	NA	NA	NA	NA
4054	110300109035	SG				South Fork Big Slough	18.8	0	.22	1.04	2.25	5.84
4068	HYDRO	SG				HYDRO	10.5	NA	NA	NA	NA	NA
4069	1103001314	SG				Cowskin Creek	45.2	0	.94	2.60	6.11	15.2
4070	11030012817	SG				Middle Fork Chisholm Creek	19.1	0	0	.69	2.39	7.66
4071	110300121693	SG				Chisholm Creek	32.2	0	.24	1.90	5.42	14.9
4072	110300121	SG				Little Arkansas River	1,350	21.0	33.0	60.0	127	488
4073	110300121	SG				Little Arkansas River	1,380	21.5	34.2	63.6	135	510
4075	11030012817	SG				Middle Fork Chisholm Creek	20.5	0	0	.80	2.68	8.39
4076	11030012817	SG				Middle Fork Chisholm Creek	20.7	0	0	.82	2.73	8.48
4089	1103001314	SG				Cowskin Creek	10.4	0	0	.19	.28	1.52
4093	1103001311	SG				Big Slough	20.5	1.53	2.01	2.66	4.08	7.78
4101	HYDRO	SG				HYDRO	20.7	NA	NA	NA	NA	NA
4107	1103001311	SG				Big Slough	20.9	1.55	2.06	2.74	4.22	8.03
4108	HYDRO	SG				HYDRO	21.0	NA	NA	NA	NA	NA
4109	HYDRO	SG				HYDRO	1.36	NA	NA	NA	NA	NA
4115	HYDRO	SG				HYDRO	22.5	NA	NA	NA	NA	NA
4118	1103001314	SG				Cowskin Creek	52.3	.06	1.18	3.11	7.31	18.0
4121	1103001816	SG				Fourmile Creek	3.34	0	0	0	0	0
4123	110300137	SG				East Fork Chisholm Creek	16.6	0	0	.71	2.09	6.38

Table 93. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Sedgwick County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 97)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
71	56.0	2,290	5,140	7,770	11,800	15,400	19,400
3822	NA	NA	NA	NA	NA	NA	NA
3824	NA	NA	NA	NA	NA	NA	NA
3828	4.16	918	2,140	3,230	4,940	6,380	8,050
3833	2.76	781	1,790	2,680	4,070	5,240	6,590
3891	4.91	1,020	2,370	3,580	5,480	7,080	8,930
3898	NA	NA	NA	NA	NA	NA	NA
3906	22.0	1,960	4,420	6,680	10,200	13,200	16,600
3954	646	6,540	15,500	20,200	29,000	37,600	46,500
3955	18.1	1,410	3,310	5,080	7,850	10,300	13,000
3965	2.13	693	1,580	2,360	3,570	4,600	5,770
3971	NA	NA	NA	NA	NA	NA	NA
3976	2.45	737	1,680	2,520	3,820	4,920	6,170
3983	NA	NA	NA	NA	NA	NA	NA
4003	NA	NA	NA	NA	NA	NA	NA
4004	2.13	720	1,630	2,440	3,690	4,740	5,940
4007	NA	NA	NA	NA	NA	NA	NA
4015	1.44	627	1,410	2,110	3,180	4,080	5,100
4052	NA	NA	NA	NA	NA	NA	NA
4054	5.73	1,090	2,640	4,070	6,320	8,240	10,500
4068	NA	NA	NA	NA	NA	NA	NA
4069	13.0	1,110	2,690	4,200	6,570	8,670	11,000
4070	7.44	1,260	2,950	4,480	6,880	8,910	11,300
4071	12.5	1,590	3,670	5,590	8,560	11,200	14,100
4072	312	6,290	13,900	20,400	30,100	38,300	47,200
4073	323	6,440	14,200	20,800	30,700	39,100	48,200
4075	7.98	1,310	3,080	4,670	7,180	9,300	11,800
4076	8.03	1,320	3,090	4,690	7,210	9,340	11,800
4089	2.60	759	1,820	2,790	4,310	5,610	7,120
4093	6.48	1,190	2,860	4,390	6,800	8,860	11,200
4101	NA	NA	NA	NA	NA	NA	NA
4107	6.64	1,210	2,890	4,440	6,890	8,970	11,400
4108	NA	NA	NA	NA	NA	NA	NA
4109	NA	NA	NA	NA	NA	NA	NA
4115	NA	NA	NA	NA	NA	NA	NA
4118	15.0	1,190	2,870	4,460	6,960	9,190	11,700
4121	.67	483	1,080	1,590	2,390	3,050	3,810
4123	6.27	1,140	2,670	4,060	6,220	8,070	10,200

556 Estimates of Flow Duration, Mean Flow, and Peak-Discharge Frequency Values for Kansas Stream Locations

Table 93. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Sedgwick County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 97)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded					
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent	
		4124	110300138	SG						Chisholm Creek	2.47	0	0
4125	HYDRO	SG				HYDRO	3.91	NA	NA	NA	NA	NA	NA
4138	1103001816	SG				Fourmile Creek	6.40	0	0	0	0	0	.88
4148	HYDRO	SG				HYDRO	6.58	NA	NA	NA	NA	NA	NA
4156	1103001315	SG				Dry Creek	31.5	0	1.07	2.69	5.69	12.9	
4164	110300101	SG				Arkansas River	36,500	64.0	134	303	600	1,260	
4165	110300121	SG				Little Arkansas River	1,400	22.0	35.5	67.1	143	529	
4166	110300139	SG				Arkansas River	36,500	92.5	124	159	289	647	
4167	HYDRO	SG				HYDRO	12.6	NA	NA	NA	NA	NA	NA
4177	110300139001	SG				Wichita-Valley Center Floodway	4.12	0	.30	.50	.70	1.40	
4178	1103001311	SG				Big Slough	28.2	1.41	2.34	3.53	5.92	11.5	
4222	1103001816	SG				Fourmile Creek	13.9	0	0	.12	1.20	5.40	
4223	110300167	SG				Clearwater Creek	9.42	0	0	.29	.41	1.60	
4226	1103001832	SG				Spring Branch	11.9	0	0	0	.50	3.44	
4231	11030016161	SG				Clear Creek	2.28	0	0	0	0	0	
4233	HYDRO	SG				HYDRO	9.74	NA	NA	NA	NA	NA	NA
4234	110300141	SG				North Fork Ninnescah River	892	2.00	3.26	5.60	84.9	399	
4236	HYDRO	SG				HYDRO	2.36	NA	NA	NA	NA	NA	NA
4273	11030016161	SG				Clear Creek	2.89	0	0	0	0	0	
4274	1103001659	SG				Polecat Creek	10.2	0	0	.33	.52	1.86	
4278	110300135	SG				Gypsum Creek	29.9	0	.05	1.44	4.29	12.3	
4279	110300136	SG				Chisholm Creek	30.5	.15	1.33	3.14	6.72	15.2	
4292	1103001659	SG				Polecat Creek	14.3	0	.03	.68	1.38	3.77	
4294	HYDRO	SG				HYDRO	15.7	NA	NA	NA	NA	NA	NA
4295	110300134	SG				Chisholm Creek	60.8	.07	1.66	4.80	11.9	29.5	
4299	110300167	SG				Clearwater Creek	12.4	0	.02	.61	1.16	3.21	
4304	1103001659	SG				Polecat Creek	16.6	0	.10	.87	1.85	4.85	
4313	110300139	SG				Arkansas River	37,900	126	226	433	858	2,220	
4316	1103001414	SG				Spring Creek	23.8	0	.49	1.70	3.72	8.83	
4317	110300141	SG				North Fork Ninnescah River	907	2.96	4.82	8.24	90.0	409	
4323	110300167	SG				Clearwater Creek	31.3	0	.52	1.96	4.60	11.3	
4324	HYDRO	SG				HYDRO	32.1	NA	NA	NA	NA	NA	NA
4329	1103001313	SG				Cowskin Creek	108	.82	3.14	7.74	18.1	43.0	
4346	110300167	SG				Clearwater Creek	35.0	0	.64	2.28	5.39	13.2	
4358	110300139011	SG				Wichita-Valley Center Floodway	45.8	1.86	3.70	6.10	10.6	20.5	
4360	1103001312	SG				Cowskin Creek	142	1.11	3.86	9.71	23.1	55.9	
4361	110300164	SG				Clearwater Creek	35.2	0	.65	2.30	5.44	13.3	
4365	11030016148	SG				Afton Creek	16.5	0	.14	.94	1.98	5.09	

Table 93. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Sedgwick County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 97)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
4124	0.08	351	805	1,210	1,830	2,350	2,940
4125	NA	NA	NA	NA	NA	NA	NA
4138	2.28	720	1,620	2,410	3,630	4,650	5,820
4148	NA	NA	NA	NA	NA	NA	NA
4156	10.2	1,050	2,480	3,820	5,900	7,720	9,750
4164	730	8,270	20,800	24,000	34,500	44,800	55,200
4165	332	6,400	14,100	20,800	30,700	39,100	48,200
4166	348	7,380	17,400	27,400	44,100	59,700	78,500
4167	NA	NA	NA	NA	NA	NA	NA
4177	.92	435	1,030	1,560	2,400	3,110	3,930
4178	8.98	1,410	3,410	5,270	8,200	10,700	13,600
4222	6.04	1,180	2,670	3,990	6,030	7,740	9,710
4223	2.48	702	1,690	2,590	4,010	5,230	6,630
4226	4.53	1,020	2,330	3,490	5,290	6,820	8,570
4231	0	612	1,060	1,380	1,800	2,120	2,430
4233	NA	NA	NA	NA	NA	NA	NA
4234	131	1,330	2,550	3,330	4,300	5,010	5,650
4236	NA	NA	NA	NA	NA	NA	NA
4273	.05	657	1,170	1,550	2,060	2,460	2,870
4274	2.68	728	1,760	2,700	4,190	5,470	6,940
4278	11.0	1,600	3,800	5,810	8,970	11,700	14,800
4279	11.7	993	2,350	3,620	5,600	7,340	9,270
4292	4.08	1,190	2,490	3,620	5,310	6,740	8,330
4294	NA	NA	NA	NA	NA	NA	NA
4295	22.3	1,650	3,810	5,810	8,920	11,700	14,700
4299	3.60	820	1,990	3,060	4,750	6,200	7,870
4304	4.86	1,270	2,700	3,930	5,820	7,400	9,190
4313	1,050	9,740	18,600	24,000	34,500	44,800	55,200
4316	7.52	1,190	2,920	4,530	7,100	9,310	11,900
4317	136	1,460	2,800	3,640	4,680	5,470	6,190
4323	9.55	1,580	3,320	4,850	7,140	9,130	11,300
4324	NA	NA	NA	NA	NA	NA	NA
4329	31.4	1,680	3,940	6,090	9,460	12,400	15,800
4346	10.8	1,700	3,570	5,210	7,660	9,790	12,100
4358	14.5	816	1,940	2,990	4,620	6,050	7,640
4360	40.1	1,970	4,590	7,070	11,000	14,400	18,300
4361	10.9	1,710	3,580	5,230	7,700	9,830	12,100
4365	4.97	962	2,350	3,630	5,650	7,390	9,410

Table 93. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Sedgwick County.—Continued

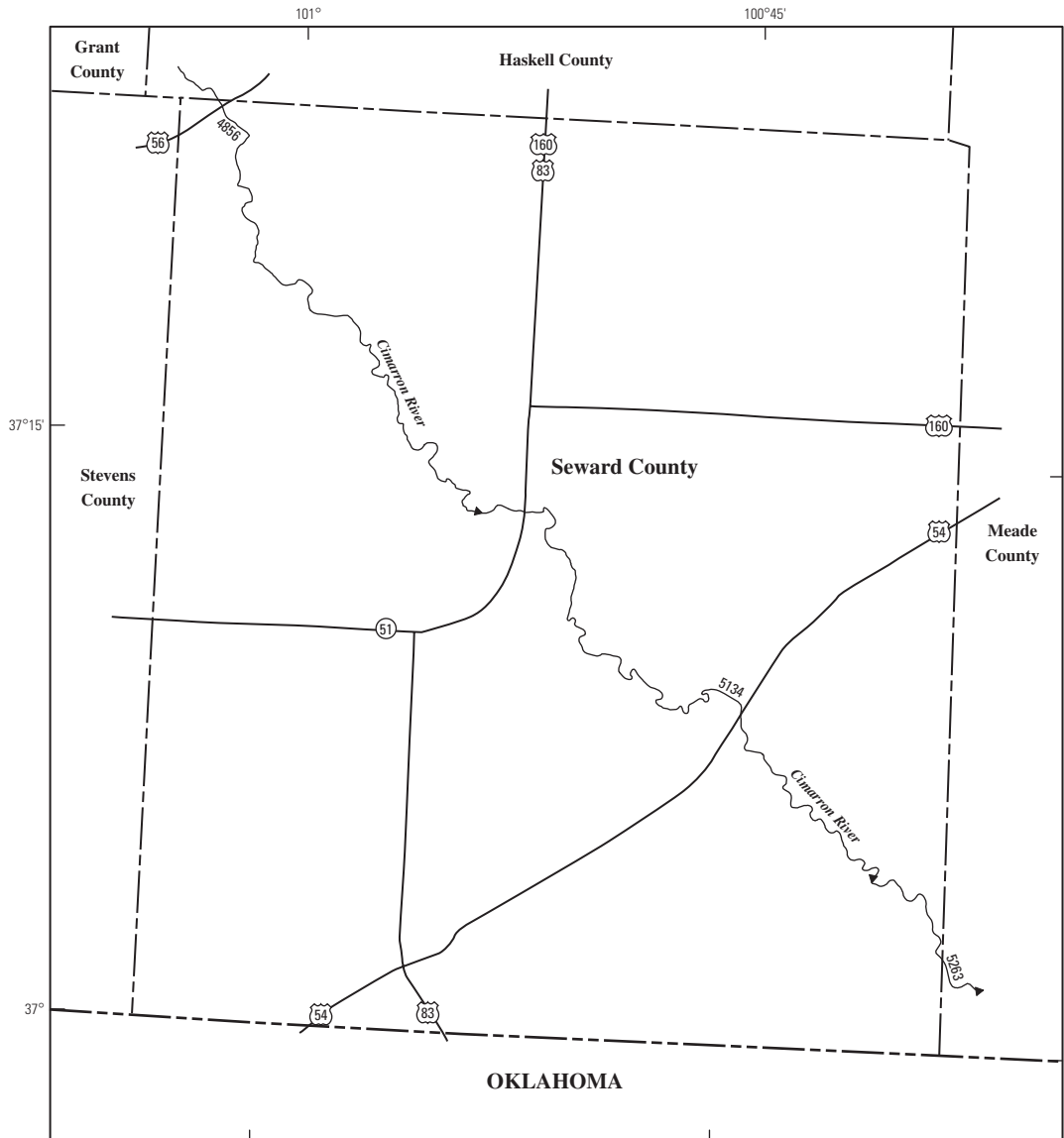
[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 97)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		4370	1103001316	SG						Dry Creek	30.8	0
4371	1103001316	SG				Dry Creek	19.8	0	.13	.96	2.15	5.68
4393	110300139010	SG				Wichita-Valley Center Floodway	195	2.65	6.86	16.0	35.3	82.0
4397	110300141	SG				North Fork Ninnescah River	939	4.99	8.15	13.9	101	428
4398	110300151	SG				South Fork Ninnescah River	874	70.7	107	157	236	399
4431	110300162	SG				Spring Creek	15.5	0	.02	.66	1.41	4.04
4437	HYDRO	SG				HYDRO	16.0	NA	NA	NA	NA	NA
4438	110300164	SG				Clearwater Creek	60.9	0	1.42	4.19	10.1	24.3
4440	110300168	SG				Ninnescah River	1,890	48.6	100	191	329	675
4442	110300133	SG				Arkansas River	38,000	187	298	533	1,090	2,560
4445	110300168	SG				Ninnescah River	1,820	60.9	99.6	169	400	974
4456	110300168	SG				Ninnescah River	1,890	65.7	107	182	425	1,020
4482	1103001616	SG				Dry Creek	16.0	0	0	.47	1.05	3.45
4483	110300162	SG				Spring Creek	24.4	0	.30	1.37	3.19	8.21
4486	1103001615	SG				Spring Creek	19.9	0	.42	1.38	2.87	6.87
4494	1103001337	SG				Spring Creek	29.4	0	.18	1.63	4.60	12.8
4495	110300133	SG				Arkansas River	38,000	192	304	541	1,110	2,590
4511	110300163	SG				Ninnescah River	1,980	71.1	116	197	455	1,070
4555	110300163	SG				Ninnescah River	2,020	73.6	120	204	468	1,100
4564	110300163	SG				Ninnescah River	2,030	74.4	122	206	472	1,110
4592	110300162	SG	SU			Spring Creek	54.0	0	1.01	2.98	7.35	18.7
4594	110300163	SG	SU			Ninnescah River	2,050	75.8	124	210	480	1,120
4654	1103001613	SG	SU			Turtle Creek	10.5	0	0	0	0	1.22
4679	1103001612	SG	SU			Silver Creek	16.9	0	0	0	.35	2.65
4683	11030013531	SG	SU			Dog Creek	20.5	0	.46	1.59	3.65	9.11
4684	110300133	SG	SU			Arkansas River	38,000	194	307	547	1,120	2,610
4689	1103001328	SG	SU			Bitter Creek	18.0	0	0	0	.85	4.66
4761	1103001310	SG	SU			Cowskin Creek	51.6	.78	2.27	4.60	9.37	20.5

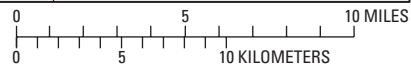
Table 93. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Sedgwick County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 97)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
4370	8.73	947	2,320	3,640	5,720	7,580	9,660
4371	5.65	1,070	2,630	4,070	6,350	8,320	10,600
4393	55.1	2,290	5,180	7,860	12,000	15,700	19,800
4397	146	1,740	3,320	4,280	5,490	6,470	7,330
4398	258	6,900	14,600	21,200	30,900	39,000	47,900
4431	4.46	967	2,330	3,590	5,570	7,260	9,230
4437	NA	NA	NA	NA	NA	NA	NA
4438	18.6	2,260	4,720	6,890	10,100	12,900	15,900
4440	364	7,530	19,100	31,600	54,400	77,600	107,000
4442	1,200	13,900	23,600	27,000	36,800	46,100	55,200
4445	432	9,380	17,700	22,000	27,800	33,700	38,600
4456	456	10,000	18,900	23,500	29,700	36,100	41,300
4482	4.26	996	2,400	3,680	5,710	7,450	9,460
4483	7.54	1,270	3,090	4,770	7,430	9,710	12,400
4486	6.20	1,090	2,660	4,120	6,420	8,400	10,700
4494	11.2	1,620	3,820	5,820	8,970	11,700	14,800
4495	1,210	14,200	24,000	27,200	37,000	46,200	55,200
4511	484	10,800	20,300	25,200	31,900	38,700	44,300
4555	497	11,100	21,000	26,000	32,900	39,900	45,700
4564	501	11,200	21,200	26,300	33,200	40,300	46,200
4592	15.7	1,380	3,280	5,060	7,850	10,300	13,100
4594	508	11,400	21,600	26,700	33,800	41,000	47,000
4654	2.61	786	1,870	2,860	4,410	5,740	7,270
4679	4.14	1,040	2,500	3,840	5,950	7,760	9,850
4683	7.92	1,300	3,060	4,650	7,140	9,260	11,700
4684	1,220	14,300	24,200	27,400	37,300	46,600	55,800
4689	5.93	1,240	2,880	4,370	6,680	8,650	10,900
4761	15.6	888	2,180	3,420	5,390	7,140	9,110



Base map from U.S. Geological Survey digital data, 1:2,000,000, 1994
 Albers Conic Equal-Area Projection,
 Standard parallels 29°30' and 45°30', central meridian 96°
 Horizontal coordinate information is referenced to the
 North American Datum of 1983 (NAD 83)



EXPLANATION

- ← 5263 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06844900 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06846000 △ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 2350 Lake and determination site identification number

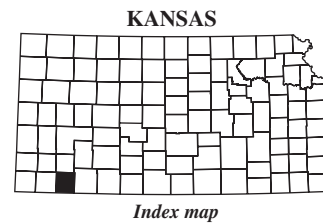


Figure 98. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Seward County.

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Table 94. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Seward County.

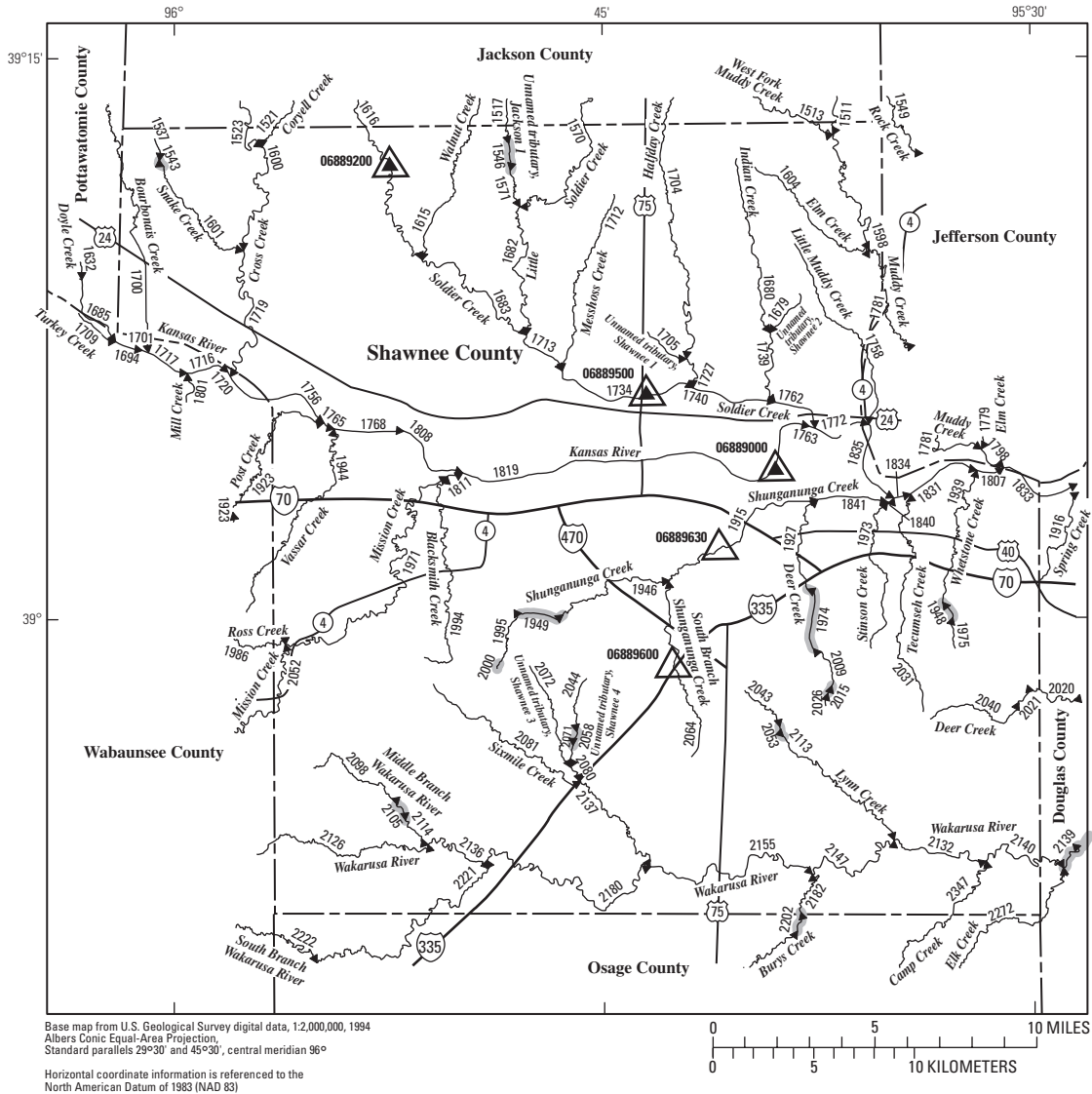
[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 98)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		5134	110400062	SW						Cimarron River	6,660	24.8

Table 94. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Seward County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

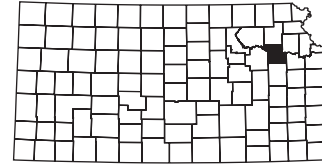
Determination site identification number (fig. 98)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
5134	52.3	2,080	6,060	10,300	17,500	24,300	32,500



EXPLANATION

- ← 2222 Location of streamflow-statistics determination site (small triangle) and associated identification number—small triangle points in downstream direction
- 06889000 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of flow duration
- 06889600 ▲ U.S. Geological Survey streamflow-gaging station and number used for estimates of peak-discharge frequency values
- 2105 Lake and determination site identification number

KANSAS



Index map

Figure 99. Location of streamflow-statistics determination sites, associated identification numbers, and U.S. Geological Survey streamflow-gaging stations used in the flow-duration and peak-discharge frequency analyses for Shawnee County.

Table 95. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Shawnee County.[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 99)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded				
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent
		1543	HYDRO	SN					HYDRO	3.68	NA	NA
1546	HYDRO	SN			HYDRO	5.20	NA	NA	NA	NA	NA	
1571	102701028	SN			Unnamed tributary, Jackson 2	6.93	0	0	.65	2.15	6.40	
1600	1027010212	SN			Cross Creek	156	0	2.51	12.5	43.5	133	
1601	1027010295	SN			Snake Creek	10.1	0	.26	1.62	4.20	10.4	
1604	1027010298	SN			Elm Creek	6.65	0	0	.67	2.30	6.84	
1679	102701021367	SN			Unnamed tributary, Shawnee 2	1.78	0	0	0	0	.11	
1680	102701021365	SN			Indian Creek	11.3	0	0	1.22	4.20	12.0	
1682	102701026	SN			Little Soldier Creek	68.0	.07	1.31	6.78	22.8	64.9	
1683	102701029	SN			Soldier Creek	188	2.61	8.65	23.2	65.7	175	
1701	1027010213	SN			Kansas River	54,500	961	1,780	3,440	7,740	18,500	
1705	102701021389	SN			Unnamed tributary, Shawnee 1	4.00	0	0	.49	1.19	3.46	
1712	1027010296	SN			Messhoss Creek	11.9	0	.01	1.46	4.55	12.4	
1713	102701025	SN			Soldier Creek	260	2.14	8.87	27.5	81.9	225	
1716	1027010213	SN	WB		Kansas River	55,000	968	1,700	3,210	7,370	17,000	
1717	1027010213	SN	WB		Kansas River	54,600	961	1,780	3,430	7,720	18,400	
1719	1027010212	SN			Cross Creek	179	.15	3.67	16.3	53.9	159	
1720	1027010211	SN			Kansas River	55,000	968	1,700	3,210	7,370	17,000	
1727	1027010297	SN			Halfday Creek	26.6	0	.36	3.29	10.7	29.2	
1734	102701025	SN			Soldier Creek	281	2.20	9.40	30.0	89.0	243	
1739	102701021365	SN			Indian Creek	16.7	0	0	1.79	6.04	17.1	
1740	102701025	SN			Soldier Creek	312	2.49	10.3	33.7	100	277	
1756	1027010211	SN			Kansas River	55,200	971	1,660	3,110	7,200	16,300	
1762	102701025	SN			Soldier Creek	331	2.65	10.8	35.7	107	297	
1763	102701024	SN			Kansas River	55,300	974	1,630	3,020	7,060	15,800	
1765	1027010211	SN			Kansas River	55,200	971	1,660	3,100	7,190	16,300	
1768	1027010211	SN			Kansas River	55,200	971	1,660	3,090	7,170	16,200	
1808	1027010210	SN			Kansas River	55,200	971	1,650	3,090	7,170	16,200	
1811	1027010234	SN			Mission Creek	99.5	0	2.11	10.5	35.0	100	
1819	1027010210	SN			Kansas River	55,300	974	1,630	3,020	7,060	15,800	
1834	102701023	SN			Kansas River	55,700	1,010	1,700	3,160	7,370	16,500	
1840	1027010239	SN			Shunganunga Creek	76.4	0	.87	5.13	17.9	54.4	
1841	1027010239	SN			Shunganunga Creek	69.2	0	.71	4.55	16.0	48.5	
1915	1027010240	SN			Shunganunga Creek	49.9	0	.24	3.08	11.3	34.8	
1923	10270102101	SN	WB		Post Creek	14.0	0	0	1.33	4.58	13.2	
1927	1027010241	SN			Deer Creek	16.8	0	0	.87	3.39	11.0	
1944	10270102100	SN	WB		Vassar Creek	14.2	0	0	1.22	4.49	13.4	
1946	1027010240	SN			Shunganunga Creek	19.0	0	0	1.40	5.20	15.8	

Table 95. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Shawnee County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 99)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
1543	NA	NA	NA	NA	NA	NA	NA
1546	NA	NA	NA	NA	NA	NA	NA
1571	5.30	941	2,010	2,920	4,300	5,450	6,760
1600	90.5	6,120	12,600	18,300	27,000	34,500	42,800
1601	7.61	1,130	2,450	3,590	5,330	6,790	8,450
1604	5.49	946	2,000	2,900	4,270	5,400	6,680
1679	.90	436	899	1,290	1,870	2,350	2,880
1680	9.16	1,270	2,730	4,000	5,910	7,500	9,320
1682	45.9	3,840	8,030	11,700	17,300	22,100	27,400
1683	114	4,900	8,710	11,800	16,400	20,200	24,400
1701	7,120	34,000	60,400	83,000	117,000	150,000	186,000
1705	3.03	690	1,450	2,100	3,070	3,880	4,790
1712	9.32	1,300	2,790	4,090	6,060	7,690	9,560
1713	148	6,070	11,700	16,300	23,100	28,700	34,800
1716	6,720	35,400	64,000	88,800	120,000	162,000	203,000
1717	7,100	34,100	60,600	83,300	118,000	151,000	187,000
1719	105	5,950	12,200	17,700	26,100	33,400	41,400
1720	6,720	35,400	64,000	88,800	120,000	162,000	203,000
1727	20.6	2,070	4,540	6,700	10,000	12,800	16,000
1734	158	5,970	11,700	16,400	23,300	29,000	35,200
1739	12.8	1,590	3,440	5,050	7,500	9,540	11,900
1740	177	6,350	12,400	17,300	24,600	30,700	37,200
1756	6,550	36,000	65,600	91,300	122,000	168,000	210,000
1762	188	6,580	12,800	18,000	25,500	31,800	38,700
1763	6,400	36,600	67,000	93,600	123,000	173,000	217,000
1765	6,540	36,100	65,700	91,500	122,000	168,000	211,000
1768	6,520	36,100	65,800	91,800	122,000	169,000	212,000
1808	6,510	36,200	65,900	91,900	122,000	169,000	212,000
1811	66.0	4,720	9,760	14,200	21,000	26,800	33,200
1819	6,400	36,600	67,000	93,600	123,000	173,000	217,000
1834	6,680	38,500	70,200	97,300	127,000	177,000	220,000
1840	42.0	3,060	4,590	5,720	7,240	8,450	9,710
1841	37.9	2,800	4,100	5,030	6,260	7,230	8,230
1915	28.0	2,150	2,910	3,390	3,970	4,390	4,790
1923	10.2	1,370	2,990	4,410	6,560	8,360	10,400
1927	9.92	1,590	3,450	5,060	7,530	9,580	11,900
1944	10.5	1,390	3,030	4,450	6,630	8,450	10,500
1946	12.8	1,460	2,990	4,290	6,270	7,890	9,780

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Table 95. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Shawnee County.—Continued

[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 99)	KSWR CUSEGA number	Stream segment by county (table 112)				Stream name	Contributing drainage area (mi ²)	Estimated flow-duration values (ft ³ /s) for indicated percentage of time flow equaled or exceeded					
		1st	2nd	3rd	4th			90 percent	75 percent	50 percent	25 percent	10 percent	
		1948	HYDRO	SN						HYDRO	5.33	NA	NA
1949	HYDRO	SN				HYDRO	8.36	NA	NA	NA	NA	NA	NA
1971	1027010234	SN				Mission Creek	86.3	0	1.87	9.37	30.8	87.2	
1973	10270102394	SN				Stinson Creek	7.18	0	0	.44	1.60	5.29	
1974	HYDRO	SN				HYDRO	11.8	NA	NA	NA	NA	NA	
1975	10270102104	SN				Whetstone Creek	3.56	0	0	0	0	1.47	
1986	1027010235	SN	WB			Ross Creek	6.88	0	0	.55	1.91	5.91	
1994	10270102102	SN				Blacksmith Creek	12.9	0	0	1.39	4.79	13.7	
1995	1027010240	SN				Shunganunga Creek	5.31	0	0	.24	1.11	4.07	
2000	HYDRO	SN				HYDRO	1.29	NA	NA	NA	NA	NA	
2009	1027010241	SN				Deer Creek	6.18	0	0	0	.59	3.22	
2015	HYDRO	SN				HYDRO	3.10	NA	NA	NA	NA	NA	
2021	10270104701	SN				Deer Creek	14.5	0	0	1.59	5.27	14.9	
2026	1027010241	SN				Deer Creek	2.60	0	0	0	0	0	
2031	10270102107	SN				Tecumseh Creek	10.2	0	0	.94	3.15	9.23	
2040	10270104701	SN				Deer Creek	12.0	0	0	1.19	4.09	11.9	
2043	1027010467	SN				Lynn Creek	6.05	0	0	0	0	1.56	
2044	10270104584	SN				Unnamed tributary, Shawnee 4	5.05	0	0	.23	1.07	3.94	
2052	1027010236	SN	WB			Mission Creek	60.8	0	1.24	6.84	22.4	62.6	
2053	HYDRO	SN				HYDRO	7.02	NA	NA	NA	NA	NA	
2058	HYDRO	SN				HYDRO	6.86	NA	NA	NA	NA	NA	
2064	10270102106	SN				South Branch Shunganunga Creek	19.3	0	0	.69	3.31	11.6	
2071	10270104584	SN				Unnamed tributary, Shawnee 4	7.43	0	0	.46	1.91	6.30	
2072	10270104583	SN				Unnamed tributary, Shawnee 3	4.30	0	0	.21	.91	3.39	
2080	10270104583	SN				Unnamed tributary, Shawnee 3	12.1	0	0	1.00	3.75	11.3	
2081	1027010465	SN				Sixmile Creek	15.4	0	0	1.31	4.79	14.2	
2098	1027010464	SN				Middle Branch Wakarusa River	12.6	0	0	.92	3.51	10.8	
2105	HYDRO	SN				HYDRO	13.9	NA	NA	NA	NA	NA	
2113	1027010467	SN				Lynn Creek	20.2	0	0	1.41	5.11	15.5	
2114	1027010464	SN				Middle Branch Wakarusa River	14.8	0	0	1.21	4.40	13.1	
2126	1027010431	SN	WB			Wakarusa River	16.1	0	0	1.53	5.17	14.8	
2132	1027010430	SN				Wakarusa River	199	.20	3.59	16.4	56.3	172	
2136	1027010431	SN				Wakarusa River	34.5	0	.33	3.32	11.2	32.0	
2137	1027010465	SN				Sixmile Creek	36.3	0	.12	2.93	10.7	31.9	
2147	1027010430	SN				Wakarusa River	172	0	3.06	14.3	49.2	150	
2155	1027010431	SN				Wakarusa River	138	0	2.38	11.6	40.1	121	
2180	1027010431	SN				Wakarusa River	87.0	0	1.42	7.65	26.3	77.4	
2182	1027010432	SN				Burys Creek	27.9	0	0	2.02	7.36	22.3	

Table 95. Estimated flow-duration values, mean flow values, and peak-discharge frequency values for controlled and uncontrolled flow stream segments on the 1999 Kansas Surface Water Register for Shawnee County.—Continued[KSWR, Kansas Surface Water Register; CUSEGA, catalog unit segment number alpha; mi², square miles; ft³/s, cubic feet per second; HYDRO, lake or other hydrologic structure; NA, not applicable; NRDitch, irrigation ditch; NRTribal, tribal stream]

Determination site identification number (fig. 99)	Estimated mean flow (ft ³ /s)	Estimated peak discharge (ft ³ /s) for indicated peak-discharge frequency					
		2-year	5-year	10-year	25-year	50-year	100-year
1948	NA	NA	NA	NA	NA	NA	NA
1949	NA	NA	NA	NA	NA	NA	NA
1971	57.8	4,310	8,970	13,100	19,300	24,700	30,600
1973	4.90	981	2,080	3,030	4,460	5,640	6,990
1974	NA	NA	NA	NA	NA	NA	NA
1975	2.24	694	1,430	2,050	2,980	3,740	4,600
1986	5.02	907	1,950	2,850	4,210	5,340	6,630
1994	10.2	1,320	2,870	4,210	6,260	7,980	9,930
1995	3.80	772	1,630	2,370	3,480	4,400	5,440
2000	NA	NA	NA	NA	NA	NA	NA
2009	3.76	912	1,920	2,790	4,090	5,170	6,390
2015	NA	NA	NA	NA	NA	NA	NA
2021	11.5	1,580	3,350	4,870	7,170	9,080	11,300
2026	1.06	555	1,150	1,650	2,390	3,010	3,700
2031	7.56	1,220	2,610	3,790	5,590	7,090	8,790
2040	9.45	1,420	2,990	4,350	6,390	8,080	10,000
2043	2.90	880	1,870	2,710	3,980	5,040	6,240
2044	3.69	775	1,650	2,390	3,520	4,450	5,510
2052	42.2	4,200	8,590	12,400	18,100	23,000	28,300
2053	NA	NA	NA	NA	NA	NA	NA
2058	NA	NA	NA	NA	NA	NA	NA
2064	10.9	758	1,450	2,040	2,950	3,740	4,640
2071	5.46	968	2,070	3,020	4,470	5,670	7,030
2072	3.18	701	1,490	2,160	3,170	4,010	4,960
2080	9.02	1,280	2,770	4,070	6,050	7,690	9,580
2081	11.1	1,450	3,160	4,660	6,960	8,880	11,100
2098	8.84	1,290	2,800	4,120	6,140	7,820	9,740
2105	NA	NA	NA	NA	NA	NA	NA
2113	13.0	1,810	3,920	5,750	8,550	10,900	13,600
2114	10.4	1,420	3,090	4,560	6,800	8,660	10,800
2126	11.5	1,510	3,280	4,830	7,200	9,180	11,400
2132	116	8,020	15,700	22,300	32,200	40,700	49,900
2136	23.4	3,080	6,450	9,420	13,900	17,700	21,800
2137	24.1	3,660	7,560	11,000	16,000	20,400	25,100
2147	102	7,600	14,900	21,200	30,600	38,600	47,400
2155	82.8	6,710	13,300	19,000	27,600	34,900	42,900
2180	54.5	5,420	10,800	15,500	22,500	28,500	34,900
2182	18.0	2,210	4,800	7,060	10,500	13,400	16,700

