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GEOMETRY, BASIN-CHARACTERISTIC, DISCHARGE, AND PARTICLE-SIZE DATA FROM GAGED STREAM-CHANNEL SITES, WESTERN UNITED STATES

By W. R. Osterkamp, E. R. Hedman, and A. G. Wiseman

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CONVERSION TABLE

For those readers who may prefer to use metric units rather than inch-pound units, the following conversion factors for the International System (SI) of Metric Units are given below:

Inch-pound unit	Multiply by	SI unit
inch	25.4	millimeter
foot	0.3048	meter
square mile	2.590	square kilometer
foot per mile	189.4	meter per meter
cubic foot per second	0.0283	cubic meter per second

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GEOMETRY, BASIN-CHARACTERISTIC, DISCHARGE, AND PARTICLE-SIZE DATA FROM GAGED STREAM-CHANNEL SITES, WESTERN UNITED STATES

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INTRODUCTION

Geomorphic, hydrologic, geographic, climatic, and channel-material data have been collected for 456 streamflow-gaging stations of the western United States (table 1). The geomorphic and channel-material data were collected during 1976-80 as a part of the channel-geometry studies conducted by the U.S. Geological Survey. These studies have related the geometry (width, depth, and gradient) of alluvial channels to the mean discharges or to flood discharges of perennial, intermittent, and ephemeral streams (Hedman and Kastner, 1977; Osterkamp and Hedman, 1977, 1979, in press; Hedman and Osterkamp, in press).

Geometry measurements made at or near the streamflow-gaging stations were collected from as many as three different geomorphic reference levels--the depositional-bar level (Hedman, Moore, and Livingston, 1972), the active-channel level (Osterkamp and Hedman, 1977), and the bankfull level (Wolman, 1955). Geographic, precipitation, and discharge data were compiled mostly from the WATSTORE file (computer file of the U.S. Geological Survey). Bed- and bank-sediment analyses were obtained from samples collected using established procedures for site selection, measurement, and sampling (Osterkamp, 1979). Standard particle-size analyses, as described by Guy (1969), were made on all samples. For channels of coarse material, in-situ pebble-count techniques were used (Wolman, 1954; Leopold, Wolman, and Miller, 1964, p. 188-195). All particle-size results are reported as the percentage of the sample, by weight, finer than the indicated particle diameter.

The selected basin, channel, and streamflow characteristics of the 456 streamflow-gaging stations in the western United States are listed by station number in table 1. The first page of each group of stations lists the name; the location, in decimal degrees of longitude and latitude; the average elevation of the basin, in feet above sea level; the date when discharge or basin-characteristic data were entered or updated in the WATSTORE file; and a serial number.

The second page of each group of stations lists the mean annual discharge and the flood discharges with recurrence intervals of 2, 5, 10, 25, 50, and 100 years, in cubic meters per second; the mean annual precipitation, in inches; the 24-hour rainfall intensity expected on the average of once each 2 years, in inches; the percentage of days that measurable discharge does not occur at the streamflow-gaging station; and the drainage area that contributes to surface runoff, in square miles.

The third page of each group of stations lists the channel widths measured at the depositional-bar, active-channel, and bankfull levels, in meters; the soils index, a relative measure of infiltration capacity, determined by the U.S. Soil Conservation Service; the median particle size of the streambed material, in millimeters; the forested area as a percentage of the contributing drainage area, measured by a grid-sampling method; the average slope of the basin, in feet per mile; and the stream-channel gradient near the streamflow-gaging station, in meters per meter.

The fourth page of each group of stations lists the particle-size analyses of sediment samples from the left bank, bed, and right bank of the active channel in a percentage, by weight, for particle diameters finer than 0.062, 0.125, 0.25, 0.5, 1.0, 2, 4, and 8 millimeters.

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Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06018500	BEAVERHEAD RIVER NEAR TWIN BRIDGES, MT	45.383	112.450			1
06025500	BIG HOLE RIVER NEAR MELROSE, MT	45.530	112.700	7140.	06/22/77	2
06027200	JEFFERSON RIVER AT SILVER STAR, MT	45.711	112.283			3
06050000	HYALITE CREEK AT HYALITE RANGER STATION NEAR BOZEMAN, MT	45.560	111.070	7710.	06/22/77	4
06052500	GALLATIN RIVER AT LOGAN, MT	45.885	111.438	6820.	03/31/78	5
06115200	MISSOURI RIVER NEAR LANDUSKY, MT	47.630	108.687			6
06120500	MUSSELSHELL RIVER AT HARLOWTON, MT	46.430	109.840	5650.	03/31/78	7
06123500	MUSSELSHELL RIVER NEAR RYEGATE, MT	46.300	109.206		12/09/76	8
06126500	MUSSELSHELL RIVER NEAR ROUNDUP, MT	46.430	108.570		12/09/76	9
06127500	MUSSELSHELL RIVER AT MUSSELSHELL, MT	46.523	108.108		12/09/76	10
06131000	BIG DRY CREEK NEAR VAN NORMAN, MT	47.350	106.360	2870.	06/22/77	11
06135500	SAGE CREEK AT O RANCH NEAR WILD HORSE, ALBERTA	49.110	110.220	3200.	06/22/77	12
06136000	SAGE CREEK AT INTERNATIONAL BOUNDARY	49.004	110.189	3150.	03/31/78	13
06150500	EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY	48.970	109.130	3000.	06/22/77	14
06151000	LYONS CREEK AT INTERNATIONAL BOUNDARY	49.010	109.230	3000.	06/22/77	15
06170200	WILLOW CREEK NEAR HINSDALE, MT	48.565	106.980	2710.	02/03/79	16
06174000	WILLOW CREEK NEAR GLASGOW, MT	48.114	106.671	2400.	03/31/78	17
06177500	REDWATER RIVER AT CIRCLE, MT	47.410	105.570	2810.	03/31/78	18
06185500	MISSOURI RIVER NEAR CULBERTSON, MT	48.123	104.475			19
06191500	YELLOWSTONE RIVER AT CORWIN SPRINGS, MT	45.110	110.790	8440.	06/22/77	20
06192500	YELLOWSTONE RIVER NEAR LIVINGSTON, MT	45.597	110.565		12/09/76	21
06197500	BOULDER RIVER NEAR CONTACT, MT	45.550	110.200	8510.	06/22/77	22
06200000	BOULDER RIVER AT BIG TIMBER, MT	45.830	109.940	7570.	06/22/77	23
06205000	STILLWATER RIVER NEAR ABSAROKEE, MT	45.550	109.390	7220.	06/22/77	24
06233000	LITTLE POPO AGIE RIVER NEAR LANDER, WY	42.720	108.640	8020.	11/16/77	25
06235500	LITTLE WIND RIVER NEAR RIVERTON, WY	42.998	108.375			26
06244500	FIVEMILE CREEK ABOVE WYOMING CANAL, NEAR PAVILLION, WY	43.301	108.701			27
06253000	FIVE MILE CREEK NEAR SHOSHONI, WY	43.222	108.218			28
06256900	DRY CREEK NEAR BONNEVILLE, WY	43.280	107.910	6160.	11/16/77	29
06258000	MUDDY CREEK NEAR SHOSHONI, WY	43.286	108.275			30
06268500	FIFTEEN MILE CREEK NEAR WORLAND, WY	44.020	108.010	4940.	11/16/77	31
06270000	NOWOOD RIVER NEAR TEN SLEEP, WY	44.010	107.430	6050.	11/16/77	32
06290500	LITTLE BIGHORN RIVER BELOW PASS CREEK, NEAR WYOLA, MT	45.180	107.390	6140.	03/31/78	33
06294000	LITTLE BIGHORN RIVER NEAR HARDIN, MT	45.736	107.558	4770.	03/31/78	34
06294700	BIGHORN RIVER AT BIGHORN, MT	46.147	107.467			35
06305500	GOOSE CREEK BELOW SHERIDAN, WY	44.824	106.961			36
06308500	TONGUE RIVER AT MILES CITY, MT	46.346	105.803		12/09/76	37
06309000	YELLOWSTONE RIVER AT MILES CITY, MT	46.421	105.864		12/17/76	38
06317000	POWDER RIVER AT ARVADA, WY	46.646	106.133			39
06318500	CLEAR CREEK NEAR BUFFALO, WY	44.330	106.780	8860.	11/16/77	40

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06018500	11.6000	30.3000	41.9000	49.8000	60.0000	67.6000	75.4000				
06025500	32.5000	207.0000	309.0000	374.0000	456.0000	518.0000	578.0000				
06027200	55.9000	183.0000	342.0000	383.0000	424.0000	448.0000	468.0000				
06050000	1.8900	11.6000	16.0000	18.9000	22.5000	25.3000	28.1000				
06052500	29.6000	141.0000	188.0000	217.0000	251.0000	275.0000	299.0000				
06115200	262.0000	850.0000	1389.0000	1868.0000	2647.0000	3375.0000	4250.0000				
06120500	4.5700	30.3000	57.8000	78.5000	106.0000	128.0000	151.0000				
06123500	5.0100	38.8000	81.3000	118.0000	175.0000	225.0000	280.0000				
06126500	5.6100	50.7000	95.8000	132.0000	185.0000	229.0000	278.0000				
06127500	5.6400	46.5000	92.3000	132.0000	185.0000	234.0000	278.0000				
06131000	1.4400	80.4000	235.0000	399.0000	691.0000	974.0000	1314.0000	11.0	1.30	21	2554
06135500	0.2920	16.4000	41.6000	66.0000	106.0000	142.0000	184.0000	13.0	1.60	83	175
06136000	0.0414	0.8210	1.2200	1.4700	1.7800	2.0100	2.2700	13.0	1.60	81	220
06150500	0.0829	9.3200	22.1000	33.7000	51.0000	66.0000	82.4000	12.0	1.60	90	89.5
06151000	0.0422	6.2300	14.5000	21.9000	33.1000	42.8000	53.5000	12.0	1.60	91	66.7
06170200	0.6140							12.0	1.60	68	283
06174000	1.5900	76.2000	203.0000	334.0000	558.0000	776.0000	1033.0000	12.0	1.80	58	538
06177500	0.3880	21.5000	98.0000	201.0000	405.0000	620.0000	889.0000	13.0	1.40	29	547
06185500	297.0000	683.0000	1000.0000	1320.0000	1820.0000	2320.0000	2890.0000				
06191500	88.4000	487.0000	620.0000	697.0000	785.0000	844.0000	898.0000				
06192500	107.0000	584.0000	720.0000	802.0000	892.0000	958.0000	1017.0000				
06197500	10.8000	105.0000	125.0000	137.0000	150.0000	159.0000	167.0000				
06200000	17.6000	173.0000	215.0000	239.0000	268.0000	289.0000	309.0000				
06205000	27.6000	192.0000	245.0000	277.0000	314.0000	343.0000	368.0000				
06233000	2.2700	17.5000	28.9000	37.1000	47.9000	56.4000	64.9000				
06235500	17.0000	139.0000	217.0000	272.0000	345.0000	402.0000	460.0000				
06244500	0.0640	2.8900	7.6500	12.7000	21.8000	31.0000	42.5000				
06253000	4.2760										
06256900	0.0911	5.9200	16.9000	28.9000	51.0000	72.8000	101.0000	6.9	1.00	74	52.6
06258000	0.5550	12.1000	23.6000	33.5000	48.6000	61.9000	76.8000				
06268500	0.3090	30.9000	50.7000	66.3000	88.6000	107.0000	127.0000	7.2	1.20	70	518
06270000	3.1400	34.0000	59.0000	78.5000	106.0000	130.0000	155.0000				
06290500	6.0300	38.2000	58.6000	73.4000	92.4000	107.0000	123.0000				
06294000	8.8100	58.6000	102.0000	136.0000	182.0000	220.0000	259.0000				
06294700	112.0000	407.0000	577.0000	683.0000	809.0000	898.0000	983.0000				
06305500	5.2100	46.4000	75.4000	97.2000	127.0000	151.0000	177.0000				
06308500	12.5000	130.0000	219.0000	286.0000	377.0000	448.0000	518.0000				
06309000	326.0000	1544.0000	1952.0000	2184.0000	2439.0000	2612.0000	2768.0000				
06317000	7.7600	214.0000	416.0000	599.0000	898.0000	1176.0000	1506.0000				
06318500	1.7800	19.1000	30.0000	38.5000	50.1000	59.8000	70.0000				

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANKFULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANKFULL LEVEL					
06018500		16.2000			1.0700			6.0			.0016
06025500		51.8000			1.7300		6.700	150	65.30	15.4	.0028
06027200		64.0000			1.6800			38			.00080
06050000		10.7000			1.0700		4.500	250	87.80	70.8	.028
06052500		44.2000			1.4600			25	60.30	37.8	.0018
06115200		190.0000			6.3300			.18			.00049
06120500		18.3000			0.7400			130	34.40	28.9	.0029
06123500		22.9000			0.6400			14			.0020
06126500		20.4000			0.9800			10			.0018
06127500		30.5000			0.9100			8.6			.00097
06131000		27.7000	67.1000		0.5180	2.1300	2.500	1.05	0.0	19.3	.0023
06135500		2.7400	6.7100		0.4820	1.0000		.78	0.0	19.2	
06136000		4.5700	9.7500		0.3840	1.2700		.050	0.0	15.2	
06150500		4.5700	9.1400		0.8720	1.9100		3.50	0.0	14.0	
06151000		4.8800	6.7100		0.4910	0.8230		.32	0.0	26.3	
06170200		11.3000	17.1000		0.9300	2.6800		.080	0.0	13.8	.00075
06174000	3.3500	6.1000	15.2000	0.2040	0.6040	1.9500		.040	0.0	12.9	.00060
06177500		2.8700	9.7500		0.7920	2.1000	2.100	.14	0.0	43.9	.00089
06185500		320.0000			10.7000			.19			.00016
06191500		82.3000			3.0500		7.900	130	78.20	25.3	.0023
06192500		88.4000			3.6600			100			.0027
06197500		31.4000			0.6100		3.900	150	65.30	104.0	.0018
06200000		36.6000			1.4600		4.100	130	57.90	55.6	.0110
06205000		33.5000			1.3700		3.700	230	54.60	73.3	.0062
06233000		14.0000			0.8800		4.900	51	43.00	234.0	.0054
06235500		46.6000			1.3700			120			.00096
06244500		2.9900			0.2700			11			.0052
06253000		9.7500			0.8500						.00456
06256900	2.6800	4.2700	6.7100	0.0792	0.2410	0.7100			27.00	148.0	.00810
06258000		6.8600			0.7400			6.8			.0039
06268500	6.7100	8.5300	14.3000	0.1980	0.7590	2.4400	3.200		0.0	23.6	.00260
06270000		11.3000			1.9800		3.200	.074	1.00	38.1	.0016
06290500		22.6000			1.7400		5.400	38	45.90	135.0	.0028
06294000		42.7000			1.4200			19	21.60	23.7	.0020
06294700		82.3000			3.2000			10			.00045
06305500		22.6000			1.2800			25			.0027
06308500		47.2000			1.1000			4.2			.00066
06309000		219.0000			7.3000			10			.00068
06317000		45.7000			1.9200			.16			.00087
06318500		10.7000			0.5400		6.000	20	56.00	211.0	.024

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06018500									2	4	9	17	20	22	35	75	51	75	81	82	82	95	100	
06025500																								
06027200																								
06050000																								
06052500	5	9	12	13	13	13	14	18																
06115200									15	29	63	83	87											
06120500	40	61	73	74	74	85	95	99									19	33	51	55	55	61	68	74
06123500	25	33	36	37	37	43	54	70	0	1	1	2	2	4	9	17	33	44	48	48	48	54	70	93
06126500	34	45	50	52	53	58	67	83	27	40	69	80	80	83	85	85								
06127500	29	46	51	51	51	66	80	100	12	21	28	29	29	31	35	48	13	21	23	23	23	28	39	62
06131000	44	73	92	94	94	98	100		6	9	21	39	49	61	78	91	40	63	84	87	88	92	97	100
06135500	60	71	86	90	91	98	100		14	16	22	33	63	79	91	96	46	47	48	48	48	66	100	
06136000	61	71	73	73	73	87	100		57	69	72	72	72	88	100		46	47	48	48	48	66	100	
06150500	39	49	70	90	94	96	100		6	8	10	16	33	42	52	61	60	79	91	93	93	98	100	
06151000	54	65	86	95	96	99	100		24	26	42	62	77	86	96	100	50	56	78	86	86	94	100	
06170200	62	73	76	77	77	93	100		41	62	74	76	79	85	92	100	68	78	81	81	81	94	100	
06174000	76	89	92	93	93	98	100		59	72	84	94	96	99	100		72	82	83	84	84	95	100	
06177500	68	88	93	93	93	98	100		27	47	55	56	58	63	70	81								
06185500									10	25	82	100												
06191500																								
06192500																								
06197500	36	65	95	99	99	100											30	50	87	100				
06200000																								
06205000																								
06233000																								
06235500	44	70	82	88	88	92	97	100									66	83	86	86	86	90	95	100
06244500	17	33	56	62	72	80	90	97	1	1	3	13	19	23	31	44	35	60	78	82	82	85	91	99
06253000	47	62	67	67	67	73	82	96																
06256900																								
06258000	33	68	88	90	90	92	95	99	1	4	17	36	38	40	43	54	33	56	69	74	75	80	88	96
06268500	65	83	88	89	89	96	100		8	10	15	38	46	54	65	82	68	84	89	90	90	96	100	
06270000	51	60	63	63	63	72	86	100	43	63	70	71	71	72	74	77								
06290500																								
06294000																								
06294700	77	81	81	81	81	84	87	91									22	71	96	98	98	98	99	100
06305500									5	10	14	20	48	91	100									
06308500	47	60	68	71	73	89	96	100	2	3	7	18	25	34	49	66								
06309000									34	43	60	71	75	84	92	98	33	68	78	78	78	79	80	83
06317000	25	66	99	99	99	100			12	35	77	93	98	99	100		54	92	99	99	99	100		
06318500																								

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06323500	PINEY CREEK AT UCROSS, WY	44.562	106.540			41
06326500	POWDER RIVER NEAR LOCATE, MT	46.930	105.309			42
06329200	BURNS CREEK NEAR SAVAGE, MT	47.380	104.430	2600.	03/31/78	43
06332000	WHITE EARTH RIVER AT WHITE EARTH, ND	48.380	102.770	2220.	07/11/78	44
06334500	LITTLE MISSOURI RIVER AT CAMP CROOK, SD	45.550	103.970	3700.	02/18/77	45
06335000	LITTLE BEAVER CREEK NEAR MARMARTH, ND	46.270	103.980	3280.	12/02/77	46
06335500	LITTLE MISSOURI RIVER AT MARMARTH, ND	46.300	103.920	3480.	12/11/79	47
06336000	LITTLE MISSOURI RIVER AT MEDORA, ND	46.920	103.530	2800.	12/02/77	48
06336500	BEAVER CREEK AT WIBAUX, MT	46.990	104.183	3020.	02/03/79	49
06337000	LITTLE MISSOURI RIVER NEAR WATFORD CITY,ND	47.590	103.250	2800.	12/02/77	50
06339500	KNIFE RIVER NEAR GOLDEN VALLEY, ND	47.160	102.060	2110.	10/22/77	51
06340000	SPRING CREEK AT ZAP, ND	47.290	101.930	2330.	10/22/77	52
06340500	KNIFE RIVER AT HAZEN, ND	47.280	101.620	2060.	10/22/77	53
06341400	TURTLE CREEK NEAR TURTLE LAKE, ND	47.460	100.920	1870.	10/22/77	54
06341800	PAINTED WOODS CREEK NEAR WILTON, ND	47.270	100.790	1860.	12/02/77	55
06343000	HEART RIVER NEAR SOUTH HEART, ND	46.860	102.950	2650.	12/02/77	56
06345000	GREEN RIVER NEAR GLADSTONE, ND	46.890	102.620	2590.	12/02/77	57
06345500	HEART RIVER NEAR RICHARDTON, ND	46.750	102.310	2540.	07/11/78	58
06347000	ANTELOPE CREEK NEAR CARSON, ND	46.530	101.640	2280.	12/02/77	59
06348000	HEART RIVER NEAR LARK, ND	46.610	101.382			60
06349000	HEART RIVER NEAR MANDAN, ND	46.840	100.970	2290.	07/11/78	61
06349500	APPLE CREEK NEAR MENOKEN, ND	46.790	100.660	1890.	10/22/77	62
06350000	CANNONBALL RIVER AT REGENT, ND	46.430	102.550	2740.	10/22/77	63
06351000	CANNONBALL RIVER BELOW BENTLEY, ND	46.360	102.040	2640.	10/22/77	64
06352000	CEDAR CREEK NEAR HAYNES, ND	46.150	102.470	2760.	10/22/77	65
06354000	CANNONBALL RIVER AT BREIEN, ND	46.380	100.930	2410.	10/22/77	66
06354500	BEAVER CREEK AT LINTON, ND	46.260	100.230	1950.	10/22/77	67
06355500	NORTH FORK GRAND RIVER NEAR WHITE BUTTE, SD	45.800	102.360	2900.	02/18/77	68
06356000	SOUTH FORK GRAND RIVER AT BUFFALO, SD	45.580	103.540	3000.	02/18/77	69
06356500	SOUTH FORK GRAND RIVER NEAR CASH, SD	45.650	102.640	2800.	02/18/77	70
06357500	GRAND RIVER AT SHADEHILL, SD	45.757	102.195			71
06357800	GRAND RIVER AT LITTLE EAGLE, SD	45.658	100.818			72
06359500	MOREAU RIVER NEAR FAITH, SD	45.200	102.160	2900.	02/18/77	73
06394000	BEAVER CREEK NEAR NEWCASTLE, WY	43.333	104.001			74
06395000	CHEYENNE RIVER AT EDGEMONT, SD	43.310	103.820	4800.	02/18/77	75
06402000	FALL RIVER AT HOT SPRINGS, SD	43.430	103.480	4400.	02/18/77	76
06402500	BEAVER CREEK NEAR BUFFALO GAP, SD	43.470	103.310	4300.	02/18/77	77
06406000	BATTLE CREEK AT HERMOSA, SD	43.830	103.200	4500.	02/18/77	78
06409000	CASTLE CREEK ABOVE DEERFIELD RES., NEAR HILL CITY, SD	44.010	103.830	6600.	02/18/77	79
06410500	RAPID CREEK ABOVE PACTOLA RESERVOIR, AT SILVER CITY, SD	44.085	103.580			80

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06323500	2.4800	28.6000	45.3000	56.9000	79.3000	99.2000	109.0000				
06326500	17.6000	266.0000	538.0000	776.0000	1020.0000	1220.0000	1420.0000				
06329200	0.0940	6.8300	37.4000	88.7000	218.0000	385.0000	637.0000				
06332000	0.8160	17.1000	39.1000	59.0000	90.7000	118.0000	149.0000				
06334500	3.8200	70.2000	132.0000	182.0000	256.0000	317.0000	385.0000				
06335000	1.1200	96.6000	168.0000	221.0000	292.0000	346.0000	402.0000				
06335500	9.6300	268.0000	516.0000	711.0000	991.0000	1218.0000	1459.0000				
06336000	13.4000	289.0000	578.0000	810.0000	1144.0000	1416.0000	1705.0000				
06336500	0.6320	25.5000	98.3000	193.0000	391.0000	606.0000	898.0000				
06337000	17.0000	428.0000	793.0000	1074.0000	1462.0000	1770.0000	2093.0000				
06339500	2.7300	90.7000	199.0000	289.0000	416.0000	521.0000	629.0000				
06340000	1.2400	51.0000	98.9000	135.0000	184.0000	223.0000	261.0000				
06340500	5.1000	139.0000	297.0000	428.0000	623.0000	782.0000	955.0000				
06341400	0.0213	1.3900	3.7100	5.9200	9.4300	12.5000	16.0000				
06341800	0.2120	8.3000	23.4000	38.2000	62.6000	84.4000	109.0000				
06343000	0.7900	44.5000	104.0000	156.0000	234.0000	297.0000	368.0000				
06345000	1.0100	42.5000	100.0000	149.0000	223.0000	283.0000	351.0000				
06345500	2.9200	105.0000	217.0000	295.0000	392.0000	459.0000	521.0000				
06347000	0.4560	28.3000	80.7000	133.0000	219.0000	297.0000	385.0000				
06348000	6.0600	109.0000	276.0000	436.0000	693.0000	922.0000	1183.0000				
06349000	7.1600	127.0000	336.0000	526.0000	812.0000	1049.0000	1304.0000				
06349500	0.9600	16.9000	47.6000	77.6000	127.0000	171.0000	221.0000				
06350000	1.2600	52.3000	148.0000	248.0000	416.0000	569.0000	748.0000				
06351000	2.4700	77.6000	228.0000	382.0000	637.0000	872.0000	1142.0000				
06352000	0.7310	30.6000	96.9000	170.0000	300.0000	428.0000	583.0000				
06354000	6.8200	141.0000	337.0000	504.0000	742.0000	935.0000	1136.0000				
06354500	1.1500	30.6000	81.6000	130.0000	208.0000	276.0000	351.0000				
06355500	1.5700	38.5000	172.0000	363.0000	784.0000	1269.0000	1943.0000				
06356000	0.2330	18.1000	41.3000	63.2000	98.6000	131.0000	168.0000				
06356500	1.5600	48.4000	117.0000	183.0000	295.0000	397.0000	516.0000				
06357500											
06357800	6.5100	143.0000	258.0000	334.0000	426.0000	488.0000	546.0000				
06359500	3.8200	104.0000	262.0000	422.0000	619.0000	949.0000	1258.0000				
06394000	0.9290	31.5000	57.8000	80.2000	114.0000	144.0000	179.0000				
06395000	2.8600	83.8000	185.0000	289.0000	476.0000	668.0000	915.0000				
06402000											
06402500	0.1990	3.4000	15.8000	38.0000	103.0000	204.0000	385.0000				
06406000	0.2700	9.0600	29.7000	52.1000	90.9000	127.0000	169.0000				
06409000	0.2860	1.7800	4.1100	6.4300	10.6000	14.7000	19.8000				
06410500	1.1400	6.7700	15.8000	26.1000	47.0000	69.8000	102.0000				

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL					
06323500		16.3000			0.6200			50			.0043
06326500		62.5000			1.7900			.35			.00095
06329200		3.3200			0.6300		5.400	8.3	0.0	27.2	.0032
06332000		5.1800			0.8800		3.330	3.0	0.0	7.4	.00069
06334500		17.7000			0.6800		1.900	1.4	5.60	3.7	.00080
06335000		9.3000			1.0200		1.500	12	0.0	11.4	.00090
06335500		57.9000			1.2800		2.200	.62	2.80	3.2	.00071
06336000		61.0000			1.4300		2.300	.60	1.40	3.3	.00063
06336500		6.4000			0.6500		2.200	4.8	0.0	5.0	.0018
06337000		70.1000			1.7300		2.300	.17	1.20	3.2	.00078
06339500		13.7000			1.2200		2.990	.50	0.0	3.1	.00040
06340000		6.7100			0.7900		2.990	.26	0.0	3.2	.00090
06340500		16.2000			1.3600		2.990	.46	0.0	2.7	.00050
06341400		0.7620			0.0490		3.330	.02	0.0	2.0	.0011
06341800		3.0500			0.1900		3.700	100	0.0	3.4	.0014
06343000		2.5900			0.5800		3.160	.47	0.0	135.0	.00050
06345000		6.1000			0.3800		3.160	15	0.0	140.0	.0010
06345500		10.4000			0.9000		3.160	50	0.0	3.9	.00056
06347000		5.7900			1.2800		3.160	5.6	0.0	5.1	.0014
06348000		29.0000			1.0900			.42			.00093
06349000		30.5000			1.3800		3.160	.22	0.0	3.6	.00045
06349500		6.4000			0.7900		3.700	.18	0.0	4.0	.00028
06350000		6.4000			0.5000		2.200	.40	0.0	4.5	.00054
06351000		14.9000			1.4000		2.200	.29	0.0	3.4	.00046
06352000		7.3200			0.8200		2.200	1.4	0.0	4.1	.0014
06354000		30.5000			1.5800		2.200	.14	0.0	3.6	.00056
06354500		8.5300			0.7900		3.510	1.5	0.0	2.9	.0016
06355500		10.1000			0.8500		2.950	8.1	3.00	8.8	.0010
06356000		5.1800			0.8700		2.660	.51	0.50	17.8	.0014
06356500		7.9200			0.7000		2.660	1.7	5.00	7.9	.0012
06357500											
06357800		42.7000			0.3800			.24			.00046
06359500		18.6000			0.6900		2.500	.35	0.60	4.8	.00043
06394000		7.6200			1.0900			25			.00066
06395000		21.3000			0.4800		1.760	.65	13.80	9.4	.0014
06402000							5.380		89.00	52.9	
06402500		3.2000			0.4600		5.380	17	59.00	58.8	.0054
06406000		3.5100			0.2200		5.380	180	74.00	59.4	.0022
06409000		3.6600			0.4000		5.380	1.8	99.00	80.5	.0082
06410500		7.9200			0.3700			100			.0052

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06323500																	34	55	71	79	81	86	93	96
06326500									3	9	35	60	71	73	76	82								
06329200	38	49	68	68	68	77	93	100	13	15	16	20	23	27	36	49	14	19	30	41	48	52	59	74
06332000	34	48	77	99	100				4	4	8	18	33	41	57	78	41	61	92	100				
06334500	25	45	71	77	84	91	96	97	3	4	5	11	38	60	81	93	57	73	86	89	98	100		
06335000	9	12	12	13	13	54	62	74	3	3	4	6	18	28	33	34	28	38	47	48	48	53	61	75
06335500																								
06336000	25	34	49	58	64	70	78	88	1	1	16	44	61	72	81	90	29	55	92	98	98	100		
06336500	11	14	18	21	28	42	61	81	7	9	10	10	11	17	43	72	12	15	20	22	23	29	41	89
06337000									3	19	95	100					65	86	99	99	99	99	100	
06339500	41	61	77	82	84	89	94	100									17	18	18	18	18	27	42	80
06340000	29	44	77	100					11	17	47	99	100				33	52	84	100				
06340500	26	41	85	100					2	2	10	57	87	94	98	100	32	49	86	100				
06341400	95	97	100						76	85	96	100					58	74	97	100				
06341800	16	19	36	82													27	31	49	90	91	95	98	100
06343000	55	71	94	98	100				12	14	30	52	85	100			39	58	90	100				
06345000	24	33	41	44	45	54	67	84									23	29	36	44	49	57	69	80
06345500	40	60	87	92	92	94	98	100									25	39	81	93	94	96	98	100
06347000	40	73	95	100					3	4	12	26	29	33	42	64	46	74	92	100				
06348000	34	67	93	100					1	1	11	57	66	75	83	95	41	67	97	100				
06349000	33	76	98	100					5	20	61	95	100				40	79	100					
06349500	26	57	95	100					23	36	79	97	97	99	100		42	71	99	100				
06350000	24	29	64	100													48	66	90	99	100			
06351000									5	9	41	71	90	95	97	98	22	56	96	98	98	99	100	
06352000	46	67	78	80	81	97	100		5	8	12	15	26	37	58	76	49	78	88	91	91	99	100	
06354000	36	56	85	90	90	95	97	99	11	42	88	98	99	100			42	67	97	100				
06354500	78	90	96	100					5	5	7	9	32	61	82	92	59	78	97	100				
06355500									1	1	3	5	13	23	36	49	8	12	14	16	21	36	52	66
06356000	16	20	70	97	97	100			9	14	37	49	59	67	78	89								
06356500	41	45	49	53	54	76	96	100	20	28	32	33	35	59	87	97								
06357500	6	11	16	27	51	64	78	93	1	3	9	12	17	27	40	60	29	55	74	77	85	90	95	99
06357800	18	46	96	98	98	99	100		4	5	54	90	96	98	100		2	6	40	99	99	100		
06359500	18	57	90	90	91	95	100		5	13	43	53	58	64	76	90	27	37	77	90	90	99	100	
06394000	64	78	92	94	94	98	99	100									68	83	87	87	87	97	100	
06395000	24	39	90	95	98	98	100		0	0	7	34	77	91	98	100	28	40	76	84	86	94	99	100
06402000	37	48	60	63	68	77	84	94	3	7	13	16	21	27	38	53	14	21	28	32	37	52	72	84
06402500	55	63	70	74	74	98	100		6	8	10	14	15	20	26	31	47	50	60	66	66	82	97	100
06406000	10	13	15	18	24	34	49	60	2	2	5	17	31	42	52	63	1	7	19	68	90	94	96	99
06409000	61	77	83	85	85	93	100		5	8	17	24	44	51	62	80	57	79	87	91	91	98	100	
06410500	66	81	88	90	90	96	100										73	91	93	93	93	96	100	

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06411500	RAPID CREEK BELOW PACTOLA DAM, SD	44.077	103.482			81
06412500	RAPID CREEK ABOVE CANYON LAKE, NEAR RAPID CITY, SD	44.051	103.313			82
06414000	RAPID CREEK AT RAPID CITY, SD	44.086	103.242			83
06421500	RAPID CREEK NEAR FARMINGDALE, SD	43.942	102.853			84
06425500	ELK CREEK NEAR ELM SPRINGS, SD	44.250	102.500	3500.	02/18/77	85
06430500	REDWATER CREEK AT WYOMING-SOUTH DAKOTA STATE LINE	44.570	104.050	5000.	08/13/77	86
06431500	SPEARFISH CREEK AT SPEARFISH, SD	44.480	103.860	5700.	02/18/77	87
06433000	REDWATER RIVER ABOVE BELLE FOURCHE, SD	44.670	103.840	4800.	02/18/77	88
06437000	BELLE FOURCHE RIVER NEAR STURGIS, SD	44.513	103.316			89
06439000	CHERRY CREEK NEAR PLAINVIEW, SD	44.740	102.050	2700.	08/19/77	90
06441000	BAD RIVER AT MIDLAND, SD	44.070	101.160	2400.	02/18/77	91
06441500	BAD RIVER NEAR FORT PIERRE, SD	44.330	100.380	2200.	02/18/77	92
06442000	MEDICINE KNOLL CREEK NEAR BLUNT, SD	44.560	99.910	1800.	05/23/78	93
06442500	MEDICINE CREEK AT KENNEBEC, SD	43.900	99.880	1900.	02/18/77	94
06444000	WHITE RIVER AT CRAWFORD, NE	42.690	103.420	4550.	08/04/78	95
06445590	BIG BORDEAUX CREEK NEAR CHADRON, NE	42.725	102.929			96
06447000	WHITE RIVER NEAR KADOKA, SD	43.750	101.520	3100.	02/18/77	97
06447500	LITTLE WHITE RIVER NEAR MARTIN, SD	43.170	101.630	3300.	02/18/77	98
06448000	LAKE CREEK ABOVE REFUGE, NEAR TUTHILL, SD	43.090	101.600	3100.	02/18/77	99
06449100	LITTLE WHITE RIVER NEAR VETAL, SD	43.100	101.230	3100.	02/18/77	100
06449500	LITTLE WHITE RIVER NEAR ROSEBUD, SD	43.330	100.880	2900.	02/18/77	101
06450500	LITTLE WHITE RIVER BELOW WHITE RIVER, SD	43.600	100.750	2700.	02/18/77	102
06453500	PONCA CREEK AT ANOKA, NE	42.940	98.840	2000.	08/04/78	103
06453600	PONCA CREEK AT VERDEL, NE	42.810	98.180	1900.	08/04/78	104
06454000	NIOBRARA RIVER AT WYOMING-NEBRASKA STATE LINE	42.660	104.060	5080.	08/04/78	105
06454100	NIOBRARA RIVER AT AGATE, NE	42.420	103.790	4930.	08/04/78	106
06454500	NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR, NE	42.460	103.170	4780.	08/04/78	107
06461000	MINNECHADUZA CREEK AT VALENTINE, NE	42.890	100.550	2870.	08/04/78	108
06462500	PLUM CREEK AT MEADVILLE, NE	42.750	99.870	2750.	08/04/78	109
06464500	KEYA PAHA RIVER AT WEWELA, SD	43.030	99.780	2400.	02/18/77	110
06464900	KEYA PAHA RIVER NEAR NAPER, NE	42.920	99.100	2350.	08/04/78	111
06466500	BRAZILE CREEK NEAR NIOBRARA, NE	42.750	97.940	1650.	08/04/78	112
06467600	JAMES RIVER NEAR MANFRED, ND	47.640	99.830	1690.	12/02/77	113
06469500	PIPESTEM CREEK NEAR PINGREE, ND	47.070	98.920	1680.	12/11/79	114
06470000	JAMES RIVER AT JAMESTOWN, ND	46.890	98.680	1580.	07/11/78	115
06470500	JAMES RIVER AT LA MOURE, ND	46.356	98.304			116
06471500	ELM RIVER AT WESTPORT, SD	45.660	98.500	1600.	02/18/77	117
06473000	JAMES RIVER AT ASHTON, SD	44.998	98.481			118
06477000	JAMES RIVER NEAR FORESTBURG, SD	43.974	98.076			119
06477500	FIRESTEEL CREEK NEAR MOUNT VERNON, SD	43.770	98.240	1500.	02/18/77	120

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND							ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
	MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE				
06411500	1.2600										
06412500	1.1100										
06414000	1.7600	11.2000	33.4000	74.2000	210.0000	457.0000	993.0000				
06421500	1.5600	18.5000	40.8000	64.4000	108.0000	154.0000	213.0000				
06425500	0.6710	36.5000	86.7000	138.0000	230.0000	323.0000	439.0000	16.9	2.00	57	540
06430500	1.0400	8.3500	23.1000	39.1000	68.5000	98.7000	137.0000				
06431500	1.4500	7.8400	20.2000	35.4000	67.7000	106.0000	162.0000				
06433000	3.8200	23.4000	55.5000	87.8000	144.0000	198.0000	265.0000				
06437000	7.7300	105.0000	214.0000	307.0000	450.0000	573.0000	712.0000				
06439000	1.2700	41.6000	104.0000	173.0000	292.0000	405.0000	547.0000	13.3	2.00	68	1190
06441000	1.7900	72.2000	143.0000	210.0000	323.0000	430.0000	564.0000	15.9	2.20	49	1460
06441500	4.2200	173.0000	394.0000	615.0000	994.0000	1375.0000		16.3	2.20	44	3107
06442000	0.1280	2.0700	12.5000	31.4000	83.5000	156.0000	272.0000	17.4	2.30	69	317
06442500	0.4050	15.3000	45.3000	81.6000	155.0000	238.0000	351.0000	17.5	2.30	79	465
06444000	0.5720	10.2000	23.8000	38.5000	66.8000	97.2000	138.0000				
06445590	0.0130	0.1700	11.3000	36.8000	68.0000	87.8000	102.0000				
06447000	7.8700	274.0000	436.0000	569.0000	768.0000	941.0000	1130.0000				
06447500	0.5410	5.1500	12.1000	20.0000	35.7000	53.2000	77.3000				
06448000	0.5490	2.2600	3.0300	3.6000	4.3600	5.0100	5.6900				
06449100	1.4800	9.1500	17.4000	25.0000	37.7000	50.1000	65.7000				
06449500	3.1200	20.9000	45.6000	72.2000	123.0000	177.0000	250.0000				
06450500	3.5700	48.2000	109.0000	179.0000	323.0000	488.0000	724.0000				
06453500	1.4000	48.1000	94.9000	140.0000	218.0000	295.0000	391.0000				
06453600	2.1900	53.2000	122.0000	197.0000	337.0000	487.0000	688.0000				
06454000	0.1230	2.1400	7.4200	15.4000	35.7000	63.7000	110.0000				
06454100	0.4130	1.8100	2.9700	3.9600	5.5200	6.9100	8.5800				
06454500	0.8720	6.0300	14.0000	23.1000	41.1000	60.9000	88.4000				
06461000	0.9630	6.0600	10.2000	14.0000	20.0000	25.7000	32.3000				
06462500	3.0300	11.7000	20.4000	28.3000	41.4000	53.5000	68.3000				
06464500	1.9300	19.4000	45.0000	74.8000	134.0000	201.0000	295.0000				
06464900	3.7700	58.6000	111.0000	161.0000	244.0000	323.0000	422.0000				
06466500	2.4700	134.0000	433.0000	759.0000	1340.0000	1898.0000	2561.0000				
06467600	0.0817	2.9200	8.7800	14.9000	25.1000	34.6000	45.6000	16.6	1.80	60	253
06469500	0.5520	11.8000	43.8000	77.7000	133.0000	179.0000	228.0000				
06470000	1.6500	17.0000	42.4000	65.2000	100.0000	129.0000	160.0000				
06470500	2.5300	22.1000	57.9000	92.7000	150.0000	201.0000	260.0000				
06471500	1.3100	21.0000	80.7000	153.0000	292.0000	428.0000	600.0000				
06473000	4.3900	10.9000	28.5000	45.6000	73.3000	98.1000	128.0000				
06477000	7.8700	32.1000	94.8000	172.0000	331.0000	512.0000	764.0000				
06477500	0.6540	11.3000	42.2000	83.0000	168.0000	265.0000	397.0000				

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL WIDTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL WIDTH, IN METERS: BANK-FULL LEVEL	CHANNEL DEPTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL DEPTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL DEPTH, IN METERS: BANK-FULL LEVEL	SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
06411500		8.3800			0.7100						.00471
06412500		7.6200			0.5900						.0072
06414000		10.7000			0.5400			130			.0072
06421500		7.9200			0.4400			60			.0031
06425500		10.4000			0.2590		2.550	.062	13.30	25.5	.0016
06430500		6.4000			0.9200		8.180	3.4	47.80	60.5	.0022
06431500		10.4000			0.4400		8.180	110	99.00	89.6	.014
06433000		13.4000			0.5300		8.180	40	53.60	44.8	.0029
06437000		25.9000			0.5500			50			.0011
06439000		13.4000	19.8000				2.500	5.8	0.0	7.4	.0024
06441000		12.8000			0.7800		1.760	7.4	0.0	8.1	.0012
06441500		19.2000	39.6000		0.8960		1.760		0.0	6.1	.00097
06442000		4.2700	12.8000		0.2710		3.510	2.5	0.0	5.2	.00024
06442500		6.1000	15.8000		0.5910		1.900	.125	0.0	8.5	
06444000		4.5700			0.8400		3.200	.28	37.00	34.8	.0043
06445590		1.1900			0.1400			7.4			.0077
06447000		47.2000			0.5600		1.900	.32	17.00	6.7	.00093
06447500		4.8800			0.6100		3.330	.21	3.00	8.7	.0018
06448000		3.6600			0.3800		3.330	.30	2.00	5.9	.0017
06449100		11.6000			0.5200		3.330	.31	4.00	7.2	.0013
06449500		15.2000			0.7300		2.920	.28	4.00	8.4	.0021
06450500		16.8000			0.2400		2.780	.44	4.00	8.9	.0010
06453500		13.7000			0.6300		3.800	.58	1.00	5.8	.0018
06453600		21.6000			0.6800		3.600	.51	2.00	6.9	.0014
06454000		3.6600			0.6600		3.200	.16	0.0	8.7	.0055
06454100		4.5700			0.7000		3.200	.25	0.0	6.6	.0024
06454500		5.7900			0.6000		3.200	.35	1.00	5.9	.0013
06461000		10.7000			0.7000		7.200	.25	1.00	9.5	.0038
06462500		25.3000			1.2200		4.300	.31	3.00	9.9	.0018
06464500		15.8000			0.7900		4.080	.33	2.00	8.9	.0012
06464900		35.7000			0.8900		4.100	.29	1.00	5.6	.0012
06466500		36.3000			1.0600		4.600	.41	4.00	13.6	.0015
06467600		1.8300	12.2000		0.1980		3.330	100		6.3	.00047
06469500		3.9600			0.3600		2.660	2.9	0.0	2.3	.00042
06470000		12.5000			1.0300		3.330	1.8	0.0	1.5	.00044
06470500		21.3000			1.5200			8.0			.000094
06471500		10.7000			0.2900		2.990	2.1	0.0	3.1	.00035
06473000		18.3000			0.5300			.059			.000072
06477000		31.1000			1.5800			.26			.000060
06477500		8.5300			0.9500		3.330	.99	0.20	2.1	.00060

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06411500	53	69	70	70	70	81	93	100	6	8	15	31	36	41	49	63	69	87	89	89	89	98	100	
06412500	25	33	48	65	68	76	85	90									48	54	64	75	77	88	95	99
06414000	28	63	94	98	98	99	100		2	3	8	13	18	22	29	41	53	75	86	88	88	97	100	
06421500																								
06425500	7	7	8	11	18	22	30	46	89	97	99	100					8	8	10	20	30	33	33	44
06430500	44	66	95	98	98	100			8	14	27	40	44	47	51	63	39	67	84	89	89	100		
06431500	5	8	10	16	26	36	51	69																
06433000	64	91	94	94	94	99	100		1	2	3	5	10	17	30	51	53	83	94	96	96	98	100	
06437000																								
06439000	60	83	100						6	7	8	10	19	26	39	62	83	92	97	100				
06441000	93	98	99	100					3	4	4	7	16	25	36	52	94	98	100					
06441500	86	90	92	94	100				15	19	23	35	35	44	63	88	88	97	99	100				
06442000	7	7	10	18	30	35	50	69	7	8	17	35	35	46	61	83	8	11	15	25	36	46	60	71
06442500	56	59	72	94	100				27	50	71	94	100				36	42	43	43	43	54	75	93
06444000	70	96	100						3	20	44	88	97	99	100		44	73	78	78	78	81	87	100
06445590	49	70	78	83	85	97	100		12	17	18	19	19	22	31	52	52	83	92	96	96	96	99	100
06447000									9	15	37	74	88	93	98	100	81	99	99	99	99	100		
06447500	63	87	98	98	98	100			11	24	61	78	78	79	83	88	69	86	96	96	96	100		
06448000	24	52	92	93	93	97	100										10	30	95	99	99	100		
06449100	50	76	100						0	0	17	80	98	99	100		22	43	91	99	99	100		
06449500	36	71	98	100					0	2	34	93	99	100			23	33	51	79	79	90	99	100
06450500	52	74	87	89	89	96	100		1	4	12	61	78	82	89	96	66	66	67	67	67	86	98	100
06453500	43	44	49	51	51	74	96	98	0	0	0	43	75	82	88	94	17	17	47	84	88	97	99	100
06453600	42	56	72	75	75	94	100		0	0	9	48	84	94	99	100	40	52	85	90	90	99	100	
06454000	31	78	90	91	91	93	97	100	17	47	56	58	58	61	65	72	28	71	87	92	92	95	100	
06454100	27	85	99	99	99	100			9	37	50	51	51	52	52	53	27	82	98	98	98	99	100	
06454500	41	89	98	98	98	100			0	2	21	90	95	99	100		40	85	97	98	98	99	100	
06461000	13	33	85	99	99	100			18	19	54	75	77	76	79	82	22	39	77	91	94	96	98	98
06462500	36	75	94	99	99	100			4	4	40	64	68	68	70	74	39	39	80	93	98	99	100	
06464500	35	56	83	97	98	99	100		0	0	19	86	97	99	100		32	61	96	98	98	100		
06464900	24	42	83	98	98	99	100		0	2	39	95	96	100			36	55	82	85	85	86	100	
06466500	25	38	74	88	88	97	100		0	1	18	76	97	99	100		49	61	88	95	95	100		
06467600	30	46	78	97	100												24	38	72	86	88	97	96	100
06469500	39	58	83	92	100				1	1	5	14	33	43	56	70	32	48	80	98	100			
06470000									5	7	18	31	38	52	62	70	28	48	91	99	100			
06470500	48	57	74	98	100				3	6	18	23	25	29	37	50								
06471500	4	7	9	11	26	38	52	68	1	1	2	15	39	49	62	81	5	5	8	18	44	64	81	95
06473000	61	71	72	72	72	90	100		55	86	96	96	96	99	100		40	77	81	83	85	92	100	
06477000	57	68	75	75	75	94	100		5	6	42	95	98	99	100		16	33	95	100				
06477500	21	40	69	81	83	90	95	97	2	2	6	22	53	67	80	88	32	49	74	84	84	90	95	98

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06478500	JAMES RIVER NEAR SCOTLAND, SD	43.190	97.640	1500.	02/18/77	121
06480000	BIG SIOUX RIVER NEAR BROOKINGS, SD	44.180	96.750	1800.	02/18/77	122
06481000	BIG SIOUX RIVER NEAR DELL RAPIDS, SD	43.790	96.740	1800.	02/18/77	123
06481500	SKUNK CREEK AT SIOUX FALLS, SD	43.530	96.790	1600.	02/18/77	124
06483500	ROCK RIVER NEAR ROCK VALLEY, IA	43.200	96.340	1500.	10/19/78	125
06485500	BIG SIOUX RIVER AT AKRON, IA	42.830	96.560	1600.	10/19/78	126
06486000	MISSOURI RIVER AT SIOUX CITY, IA	42.486	96.413			127
06600100	FLOYD RIVER AT ALTON, IA	42.980	96.000	1440.	10/19/78	128
06600300	WEST BRANCH FLOYD RIVER NEAR STRUBLE, IA	42.920	96.170	1400.	10/19/78	129
06600500	FLOYD RIVER AT JAMES, IA	42.580	96.310	1370.	10/19/78	130
06601000	OMAHA CREEK AT HOMER, NE	42.320	96.500	1370.	08/04/78	131
06606600	LITTLE SIOUX RIVER AT CORRECTIONVILLE, IA	42.470	95.800	1420.	10/19/78	132
06607000	ODEBOLT CREEK NEAR ARTHUR, IA	42.340	95.380	1380.	10/19/78	133
06607200	MAPLE RIVER AT MAPLETON, IA	42.160	95.810	1360.	10/19/78	134
06608000	TEKAMAH CREEK AT TEKAMAH, NE	41.770	96.220	1250.	08/04/78	135
06608500	SOLDIER RIVER AT PISGAH, IA	41.830	95.930	1300.	10/19/78	136
06609500	BOYER RIVER AT LOGAN, IA	41.640	95.780	1340.	10/19/78	137
06610000	MISSOURI RIVER AT OMAHA, NE	41.259	95.922			138
06610500	INDIAN CREEK AT COUNCIL BLUFFS, IA	41.290	95.830	1190.	10/19/78	139
06628900	PASS CREEK NEAR ELK MOUNTAIN, WY	41.586	106.610			140
06630000	NORTH PLATTE RIVER ABOVE SEMINOE RES., NEAR SINCLAIR, WY	41.872	107.057			141
06632400	ROCK CREEK ABOVE KING CANYON CANAL NEAR ARLINGTON, WY	41.590	106.220	9680.	11/19/77	142
06635000	MEDICINE BOW RIVER ABOVE SEMINOE RESERVOIR, NEAR HANNA, WY	42.010	106.512			143
06639000	SWEETWATER RIVER NEAR ALCOVA, WY	42.460	107.200	7240.	11/19/77	144
06649000	LA PRELE CREEK NEAR DOUGLAS, WY	42.618	105.630			145
06670500	LARAMIE RIVER NEAR FORT LARAMIE, WY	42.202	104.544			146
06671000	RAWHIDE CREEK NEAR LINGLE, WY	42.126	104.327			147
06677500	HORSE CREEK NEAR LYMAN, NE	41.940	103.990	5560.	08/04/78	148
06678000	SHEEP CREEK NEAR MORRILL, NE	41.960	103.940	4540.	08/04/78	149
06679000	DRY SPOTTEDTAIL CREEK AT MITCHELL, NE	41.950	103.830	4240.	08/04/78	150
06680000	TUB SPRINGS NEAR SCOTTSBLUFF, NE	41.915	103.715			151
06681000	WINTERS CREEK NEAR SCOTTSBLUFF, NE	41.852	103.626			152
06684000	RED WILLOW CREEK NEAR BAYARD, NE	41.714	103.253			153
06685000	PUMPKIN CREEK NEAR BRIDGEPORT, NE	41.630	103.040	4490.	08/04/78	154
06687000	BLUE CREEK NEAR LEWELLEN, NE	41.340	102.170	3950.	08/04/78	155
06692000	BIRDWOOD CREEK NEAR HERSHEY, NE	41.220	101.070	3470.	08/04/78	156
06711500	BEAR CREEK AT MOUTH, AT SHERIDAN, CO	39.650	105.030	8100.	03/22/75	157
06712000	CHERRY CREEK NEAR FRANKTOWN, CO	39.360	104.760	7100.	06/23/78	158
06720500	SOUTH PLATTE RIVER AT HENDERSON, CO	39.922	104.867			159
06727000	BOULDER CREEK NEAR ORODELL, CO	40.006	105.303			160

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIPITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06478500	10.6000	56.1000	126.0000	192.0000	297.0000	391.0000	501.0000				
06480000	4.3300	60.9000	172.0000	282.0000	462.0000	623.0000	804.0000				
06481000	7.1600	87.5000	234.0000	377.0000	603.0000	804.0000	1031.0000				
06481500	1.3100	41.1000	118.0000	198.0000	331.0000	456.0000	600.0000				
06483500	8.5000	166.0000	456.0000	736.0000	1190.0000	1589.0000	2040.0000				
06485500	23.8000	274.0000	615.0000	904.0000	1323.0000	1668.0000	2034.0000				
06486000	904.0000	963.0000	1643.0000	1870.0000	2125.0000	2380.0000	2550.0000				
06600100	1.3300	48.4000	137.0000	299.0000	388.0000	538.0000	717.0000				
06600300	0.8640	51.8000	124.0000	188.0000	283.0000	365.0000	453.0000				
06600500	5.0700	97.1000	224.0000	348.0000	561.0000	765.0000	1011.0000				
06601000	1.0200	166.0000	227.0000	314.0000	436.0000	533.0000	635.0000				
06606600	19.9000	193.0000	360.0000	479.0000	631.0000	748.0000	861.0000				
06607000	0.4450	29.2000	57.2000	79.0000	109.0000	132.0000	156.0000				
06607200	6.6000	182.0000	320.0000	416.0000	538.0000	629.0000	719.0000				
06608000	0.1880	52.1000	113.0000	163.0000	237.0000	297.0000	362.0000				
06608500	3.5700	258.0000	419.0000	530.0000	666.0000	768.0000	869.0000				
06609500	8.8600	354.0000	510.0000	603.0000	711.0000	785.0000	853.0000				
06610000	830.0000	1811.0000	2341.0000	2729.0000	3265.0000	3696.0000	4157.0000				
06610500	0.0450	17.3000	40.2000	60.9000	91.5000	117.0000	145.0000				
06628900	1.1600	13.4000	21.2000	26.9000	34.7000	41.0000	47.5000				
06630000	31.6000	203.0000	281.0000	332.0000	396.0000	442.0000	489.0000				
06632400	2.3300	41.9000	60.9000	73.6000	90.1000	102.0000	114.0000				
06635000											
06639000	3.5700	19.4000	31.4000	40.2000	51.3000	59.8000	68.5000				
06649000	1.1400	16.1000	36.9000	58.5000	97.6000	138.0000	189.0000				
06670500	4.0800	24.5000	54.6000	81.9000	125.0000	162.0000	205.0000				
06671000	0.6090	5.7800	14.5000	24.0000	42.1000	61.3000	88.4000				
06677500	1.8700	19.1000	36.3000	52.1000	78.7000	104.0000	135.0000				
06678000	1.5500	5.4900	7.6500	9.1200	11.1000	12.5000	13.9000				
06679000	0.9630	9.7200	20.3000	31.4000	51.5000	72.8000	100.0000				
06680000	1.0500	14.4000	23.8000	32.0000	48.7000	66.6000	90.4000				
06681000	1.5100	10.9000	17.8000	23.0000	30.0000	35.4000	41.1000				
06684000	2.4600	22.7000	38.8000	50.7000	66.8000	79.3000	92.6000				
06685000	0.8690	4.6700	12.1000	20.8000	38.5000	58.6000	86.9000				
06687000	1.9700	6.2000	9.4600	12.1000	16.1000	19.6000	23.5000				
06692000	4.3300	11.7000	17.1000	21.3000	27.5000	32.9000	38.5000				
06711500											
06712000	0.2510	21.7000	68.5000	124.0000	232.0000	348.0000	498.0000				
06720500											
06727000											

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL WIDTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL WIDTH, IN METERS: BANKFULL LEVEL	CHANNEL DEPTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL DEPTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL DEPTH, IN METERS: BANKFULL LEVEL	SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
06478500		33.5000			1.9200		3.150	.055	0.0	0.4	.000082
06480000		22.0000			1.2700		3.250	1.6	0.80	2.1	.00028
06481000		22.9000			1.8600		3.230	.40	0.80	1.5	.00058
06481500		14.0000			1.5200		3.250	.95	1.00	4.2	.00069
06483500		34.4000			1.5200		3.500	.89	0.10	5.7	.00049
06485500		54.9000			2.7000		3.300	.17	0.70	2.0	.00025
06486000		350.0000			17.0000			.34			.00021
06600100		20.1000			0.5200		3.500	.27		5.4	.00066
06600300		9.7500			0.5000		3.500	.44		6.1	.0012
06600500		24.7000			1.1000		3.500	.52	0.10	4.3	.00032
06601000		8.5300			1.0100		3.200	.067	5.39	10.3	.0012
06606600		33.8000			2.4400		3.300	.18	0.90	1.9	.00023
06607000		7.3200			0.3500		3.500	.29		16.1	.0014
06607200		35.0000			1.0100		3.700	.35	0.20	4.8	.00083
06608000		5.7300			0.5100		3.200	.68	0.0	21.9	.0012
06608500		29.3000			1.4600		3.900	.37	3.10	8.1	.00074
06609500		32.9000			2.2900		3.700	.42	2.00	3.5	.00058
06610000		290.0000			11.6000			.18			.00016
06610500		2.2900			0.2200		2.200	.04	1.60	47.7	.0045
06628900		8.6900			0.9800			150			.0092
06630000		70.0000			2.8000			100			.0012
06632400		11.9000			0.7900		6.400	230	86.00	136.0	.017
06635000											
06639000		24.4000			0.8000			1.7	6.20	11.2	.0010
06649000		9.3000			0.5300			180			.0030
06670500		19.2000			1.0200			.41			.0018
06671000		3.9300			0.8200			.17			.0026
06677500		17.1000			1.0100		3.200	.11	0.0	14.3	.0017
06678000		5.6400			0.9200		3.200	.25	0.0	18.2	.00079
06679000		7.0100			0.6400			.32	0.0	28.4	.0043
06680000		5.9400			0.6500			6.6			.0041
06681000		5.3300			0.8600			9.2			.0015
06684000		14.0000			0.5900			7.3			.00091
06685000		5.4900			0.2400		3.200	.16	0.0	8.1	.0013
06687000		11.7000			0.5700		7.200	.38	0.0	7.9	.0039
06692000		15.2000			0.8000		7.200	.29	0.0	10.5	.0024
06711500									70.00	150.0	
06712000		3.9600			0.2200			1.0	30.00	32.0	.025
06720500											
06727000											

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06478500									47	78	93	94	94	98	99	100	39	47	52	54	54	69	92	96
06480000	54	58	65	71	71	90	100		5	5	7	25	44	52	61	74	10	13	32	74	88	97	100	
06481000	82	93	97	97	97	100											62	74	87	92	92	99	100	
06481500	22	30	43	62	76	86	93	98	5	5	13	26	52	74	84	87								
06483500	14	16	17	20	23	27	40	62	0	0	2	24	55	77	91	100	38	48	94	100				
06485500	63	65	65	65	65	82	96	100	31	37	75	96	100				48	65	93	100				
06486000									0	2	25	92	100											
06600100	57	64	82	90	90	97	100		19	23	46	80	93	96	98	100	47	52	58	70	79	88	96	98
06600300	58	66	91	92	92	97	100		6	10	23	63	88	96	99	100	37	44	64	96	100			
06600500	67	71	76	85	87	93	100		3	3	7	42	79	90	98	100	86	93	95	96	96	99	100	
06601000	70	88	90	91	91	96	100		49	54	55	60	63	72	89	97	82	88	91	92	92	98	100	
06606600	75	84	85	85	85	87	92	97	20	36	66	82	89	96	100		44	52	68	75	75	91	100	
06607000	60	66	75	88	90	98	100		32	36	46	70	86	92	98	100	77	81	86	89	89	98	100	
06607200	55	79	87	87	87	96	100		5	6	24	73	91	96	98	100	79	84	87	88	88	94	99	100
06608000	79	80	82	83	83	96	100		24	26	29	40	62	78	91	97	75	81	87	91	91	98	100	
06608500	82	92	94	94	94	98	100		2	2	12	80	93	98	100		76	89	92	92	92	97	100	
06609500	86	91	91	91	91	96	100		1	1	8	72	96	100			90	96	98	98	98	100		
06610000									0	11	75	98	99	100										
06610500	76	77	81	83	83	92	99	100	82	91	94	94	94	98	100		89	97	98	98	98	100		
06628900	20	31	53	90	90	92	96	100									23	36	53	77	80	88	95	99
06630000																	66	75	76	76	76	82	91	100
06632400																								
06635000	38	44	47	50	50	58	69	89	1	2	6	18	23	26	33	46	30	54	81	86	86	88	94	100
06639000	25	49	60	70	83	95	100		0	1	11	29	43	51	57	64	33	73	91	93	93	96	98	100
06649000									1	1	1	1	27	79	98	98								
06670500	28	40	45	45	45	51	66	90	10	17	25	56	62	66	73	83	14	24	32	38	43	46	50	54
06671000	50	83	98	98	98	99	100		3	29	66	77	78	80	82	86	49	90	98	98	98	100		
06677500	45	85	93	96	96	98	100		7	56	79	83	88	90	94	98	39	58	76	85	88	91	98	100
06678000	24	45	59	60	60	67	81	98	1	15	50	64	73	77	87	95	43	78	95	97	97	99	100	
06679000	42	67	81	86	88	94	99	100	0	0	18	78	95	99	100		37	63	74	78	78	86	100	
06680000	29	58	82	90	90	96	100		3	6	11	23	30	34	42	53	50	76	84	87	87	91	97	100
06681000	42	71	79	82	82	87	94	100	0	0	2	11	17	22	36	46	23	48	63	70	77	84	91	98
06684000	60	95	98	98	98	99	100		0	2	4	8	10	14	26	56	51	91	93	96	98	99	99	100
06685000	44	78	85	87	87	93	98	99	10	36	66	72	80	85	91	96	17	52	70	73	80	84	91	99
06687000	46	78	90	97	98	99	100		0	5	29	64	83	92	98	100	40	68	82	93	98	99	100	
06692000	28	83	100						0	5	38	93	99	100			42	75	91	93	93	98	100	
06711500	50	62	68	72	73	78	86	96	18	26	53	81	90	94	97	100	28	40	50	52	53	61	73	92
06712000																								
06720500																	48	50	52	54	54	64	81	100
06727000									0	1	1	1	11	22	44	67								

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06731000	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO	40.258	104.879			161
06762500	LODGEPOLE CREEK AT BUSHNELL, NE	41.230	103.800	5850.	08/04/78	162
06767500	PLUM CREEK NEAR SMITHFIELD, NE	40.660	99.700	2715.	08/04/78	163
06771500	WOOD RIVER NEAR GIBBON, NE	40.770	98.800	2390.	08/04/78	164
06772000	WOOD RIVER NEAR ALDA, NE	40.850	98.470	2352.	08/04/78	165
06775500	MIDDLE LOUP RIVER AT DUNNING, NE	41.830	100.100	3450.	08/04/78	166
06775900	DISMAL RIVER NEAR THEDFORD, NE	41.779	100.525			167
06776500	DISMAL RIVER AT DUNNING, NE	41.820	100.100	3600.	08/04/78	168
06779000	MIDDLE LOUP RIVER AT ARCADIA, NE	41.420	99.140	3280.	08/04/78	169
06782500	SOUTH LOUP RIVER AT RAVENNA, NE	41.010	98.910	2750.	08/04/78	170
06783500	MUD CREEK NEAR SWEETWATER, NE	41.040	98.990	2300.	08/04/78	171
06784000	SOUTH LOUP RIVER AT ST. MICHAEL, NE	41.030	98.740	2600.	08/04/78	172
06785000	MIDDLE LOUP RIVER AT ST. PAUL, NE	41.200	98.450	3000.	08/04/78	173
06786000	NORTH LOUP RIVER AT TAYLOR, NE	41.780	99.380	2850.	08/04/78	174
06787500	CALAMUS RIVER NEAR BURWELL, NE	41.810	99.180	2600.	08/04/78	175
06788500	NORTH LOUP RIVER AT ORD, NE	41.610	98.920	2760.	08/04/78	176
06790500	NORTH LOUP RIVER NEAR ST. PAUL, NE	41.260	98.450	2640.	08/04/78	177
06791500	CEDAR RIVER NEAR SPALDING, NE	41.710	98.450	2200.	08/04/78	178
06792000	CEDAR RIVER NEAR FULLERTON, NE	41.400	98.000	2110.	08/04/78	179
06794000	BEAVER CREEK AT GENOA, NE	41.440	97.740	1900.	08/04/78	180
06795500	SHELL CREEK NEAR COLUMBUS, NE	41.530	97.280	1750.	08/04/78	181
06797500	ELKHORN RIVER AT EWING, NE	42.270	98.340	2220.	08/04/78	182
06798500	ELKHORN RIVER AT NELIGH, NE	42.120	98.030	2160.	08/04/78	183
06799000	ELKHORN RIVER NEAR NORFOLK, NE	42.010	97.480	2080.	08/04/78	184
06799100	NORTH FORK ELKHORN RIVER NEAR PIERCE, NE	42.180	97.480	1750.	08/04/78	185
06799500	LOGAN CREEK NEAR UEHLING, NE	41.710	96.520	1500.	08/04/78	186
06800000	MAPLE CREEK NEAR NICKERSON, NE	41.550	96.500	1510.	08/04/78	187
06803000	SALT CREEK AT ROCA, NE	40.660	96.670	1370.	08/04/78	188
06803555	SALT CREEK AT GREENWOOD, NE	40.970	96.450	1300.	08/04/78	189
06804000	WAHOO CREEK AT ITHACA, NE	41.140	96.540	1350.	08/04/78	190
06806500	WEEPING WATER CREEK AT UNION, NE	40.790	95.910	1180.	08/04/78	191
06807000	MISSOURI RIVER AT NEBRASKA CITY, NE	40.682	95.847			192
06808500	WEST NISHNABOTNA RIVER AT RANDOLPH, IA	40.870	95.580	1250.	10/19/78	193
06809500	EAST NISHNABOTNA RIVER AT RED OAK, IA	41.010	95.240	1300.	10/19/78	194
06811500	LITTLE NEMAHA RIVER AT AUBURN, NE	40.390	95.810	1170.	08/04/78	195
06813000	TARKIO RIVER AT FAIRFAX, MO	40.340	95.410	1100.	03/21/79	196
06814000	TURKEY CREEK NEAR SENECA, KS	39.950	96.110	1310.	04/29/78	197
06817000	NODAWAY RIVER AT CLARINDA, IA	40.740	95.010	1200.	10/19/78	198
06817500	NODAWAY RIVER NEAR BURLINGTON JUNCTION, MO	40.440	95.090	1200.	03/21/79	199
06818000	MISSOURI RIVER AT ST. JOSEPH, MO	39.753	94.858			200

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06731000											
06762500											
06767500											
06771500											
06772000											
06775500											
06775900											
06776500	9.0900	14.6000	17.0000	18.6000	20.6000	22.1000	23.7000				
06779000	18.2000	79.3000	126.0000	166.0000	227.0000	283.0000	348.0000				
06782500	5.4400	102.0000	230.0000	374.0000	651.0000	955.0000	1368.0000				
06783500	1.1700	31.7000	65.7000	92.1000	128.0000	156.0000	185.0000				
06784000	6.8800	96.9000	230.0000	382.0000	688.0000	1031.0000	1510.0000				
06785000	34.0000	235.0000	402.0000	555.0000	799.0000	1028.0000	1310.0000				
06786000	13.0000	39.3000	52.1000	61.2000	74.2000	84.4000	95.4000				
06787500	8.4700	16.9000	22.8000	27.2000	33.4000	38.5000	43.9000				
06788500	24.4000	75.1000	115.0000	147.0000	196.0000	238.0000	286.0000				
06790500	27.4000	181.0000	340.0000	490.0000	751.0000	1008.0000	1328.0000				
06791500	4.3300	16.4000	30.0000	42.5000	64.2000	84.7000	110.0000				
06792000	6.8200	83.8000	179.0000	279.0000	467.0000	666.0000	926.0000				
06794000	3.5700	62.3000	142.0000	231.0000	402.0000	592.0000	850.0000				
06795500	1.2000	43.3000	84.3000	116.0000	161.0000	196.0000	232.0000				
06797500	4.9000	32.3000	84.1000	148.0000	283.0000	442.0000	674.0000				
06798500	7.9900	45.6000	103.0000	193.0000	357.0000	544.0000	813.0000				
06799000	14.3000	108.0000	238.0000	377.0000	643.0000	929.0000	1314.0000				
06799100	2.5100	49.6000	119.0000	182.0000	278.0000	360.0000	450.0000				
06799500	5.2100	166.0000	329.0000	459.0000	640.0000	782.0000	935.0000				
06800000	1.7100	70.0000	143.0000	201.0000	283.0000	351.0000	419.0000				
06803000	1.2000	75.3000	194.0000	300.0000	459.0000	586.0000	725.0000				
06803555	7.6500	297.0000	762.0000	1176.0000	1787.0000	2292.0000	2827.0000				
06804000	2.1700	111.0000	233.0000	338.0000	456.0000	555.0000	654.0000				
06806500	2.3100	99.4000	227.0000	331.0000	482.0000	598.0000	719.0000				
06807000	990.0000	2554.0000	3377.0000	3970.0000	4776.0000	5418.0000	6097.0000				
06808500	15.6000	484.0000	674.0000	787.0000	921.0000	1011.0000	1096.0000				
06809500	10.6000	275.0000	484.0000	637.0000	836.0000	989.0000	1142.0000				
06811500											
06813000	5.2400	189.0000	334.0000	436.0000	558.0000	643.0000	728.0000				
06814000	3.4800	136.0000	295.0000	431.0000	637.0000	819.0000	1014.0000				
06817000	9.0900	278.0000	470.0000	598.0000	753.0000	864.0000	969.0000				
06817500	14.9000	382.0000	685.0000	895.0000	1153.0000	1337.0000	1516.0000				
06818000	1100.0000	2790.0000	5635.0000	6790.0000	8578.0000	9447.0000	10624.0000				

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL WIDTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL WIDTH, IN METERS: BANKFULL LEVEL	CHANNEL DEPTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL DEPTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL DEPTH, IN METERS: BANKFULL LEVEL	SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
06731000											
06762500							3.200		2.00	16.0	
06767500							3.200		0.0	5.1	
06771500							3.400		1.00	3.9	
06772000							3.400		1.00	3.6	
06775500							7.200		0.0	9.5	
06775900											
06776500		26.2000			0.9100		7.200	.26	0.0	11.7	.0010
06779000		62.5000			1.2200		6.400	.20	1.00	8.8	.0015
06782500		38.4000			1.2500		4.000	.19	1.00	5.8	.0010
06783500		10.4000			1.5200		3.500	.16	1.00	5.9	.00051
06784000		45.1000			1.1900		3.800	.18	1.00	4.6	.00086
06785000		134.0000			1.0700		5.400	.32	1.00	8.1	.0010
06786000		47.2000			1.1900		7.200	.27	0.0	7.6	.0013
06787500		70.7000			0.2500		7.200	.28	0.0	8.2	.0010
06788500		75.6000			0.9800		6.800	.38	1.00	7.1	.0013
06790500		85.3000			1.5200		6.400	.27	1.00	7.0	.0011
06791500		24.7000			0.2600		6.600	.27	2.00	5.2	.00083
06792000		31.1000			1.3700		5.500	.26	1.00	4.4	.00085
06794000		16.0000			1.2800		5.100	.28	1.00	4.5	.0014
06795500		6.8600			1.0000		3.200	.30	0.0	4.6	.00054
06797500		32.0000			0.9700		5.000	.34	0.0	4.6	.00073
06798500		54.9000			0.9200		4.800	.28	1.00	4.5	.00094
06799000		80.8000			1.0100		4.700	.24	1.00	4.4	.00069
06799100		12.8000			0.9000		6.200	.25	1.00	3.8	.00052
06799500		23.2000			1.3100		3.200	.24	0.0	4.2	.00039
06800000		15.7000			0.6800		3.200	.31	0.0	5.2	.0014
06803000		7.0100			1.3000		3.300	.03	2.00	5.6	.00066
06803555		51.8000			1.5600		3.300	.59	1.00	3.5	.00051
06804000		10.2000			1.0600		3.200	.38	0.15	5.9	.00063
06806500		8.2300			1.5800		3.300	.50	3.00	6.4	.00086
06807000		270.0000			10.0000			.43			.00024
06808500		62.5000			1.0700		3.700	.34	0.40	4.7	.00051
06809500		41.2000			1.5200		3.500	.42	1.10	4.6	.00040
06811500							3.300		1.00	5.7	
06813000		29.3000			1.4900		3.500	.41	0.40	4.9	.00090
06814000		9.1400			1.8300		2.660	.42	4.20	5.8	.00073
06817000		43.3000			1.4300		3.000	.46	1.10	5.8	.00056
06817500		60.4000			1.3700		3.200	.35	1.60	4.2	.00072
06818000		270.0000			10.0000			.40			.00021

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS																							
	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06731000	37	70	96	98	98	99	100		1	6	44	59	63	65	76									
06762500	50	72	82	85	85	89	95	99	30	60	81	92	94	96	98	100	33	53	65	74	77	82	93	100
06767500	67	75	79	80	80	95	100		59	67	72	72	72	88	99	100	62	70	74	74	74	91	100	
06771500	32	34	37	38	38	50	78	99	36	38	42	51	57	71	92	100	29	30	30	30	30	54	85	96
06772000	32	37	51	75	78	88	97	100	4	4	8	40	73	84	94	99								
06775500	17	58	1	0					0	2	30	76	95	98	99	100	35	82	100					
06775900	14	33	68	93	98	99	99	100	0	0	10	88	100				45	79	91	97	97	99	100	
06776500	61	91	98	98	98	99	100		0	0	42	98	100				50	87	100					
06779000	53	86	97	99	99	99	100		0	10	65	97	100				39	91	100					
06782500	54	82	98	99	99	100			0	3	69	99	100				42	83	88	98	98	100		
06783500	86	92	96	96	96	98	99	100	38	44	73	93	78	100			61	73	96	100				
06784000	67	92	96	96	97	98	100		0	12	83	100					76	92	96	96	96	98	100	
06785000	58	81	93	96	96	100			0	0	26	96	100				51	82	96	97	97	98	100	
06786000	46	90	100						0	0	30	89	98	99	99	100	45	58	76	93	96	99	100	
06787500	38	62	87	95	97	98	100		0	0	21	92	98	99	100		24	39	70	92	98	99	100	
06788500	36	77	97	99	99	10			0	0	8	73	93				63	76	86	90	90	93	100	
06790500	43	65	88	99	99	100			0	0	35	96	98	99	100		70	86	94	96	96	99	100	
06791500	15	26	84	99	99	100			0	0	38	96	100				21	43	96	99	99	100		
06792000	63	80	87	88	88	92	100		2	5	44	87	92	95	98	100	46	70	96	99	99	99	100	
06794000	84	94	98	98	98	100			0	0	33	90	94	96	99	100								
06795500	65	69	80	83	83	97	100		25	27	35	83	85	94	100		66	70	75	76	76	94	100	
06797500	13	33	81	100					0	24	88	99	100				22	62	88	100				
06798500	15	43	86	100					0	2	38	86	96	98	100		7	34	98	100				
06799000	15	44	90	100					2	13	60	86	95	98	100		24	47	81	93	97	99	99	100
06799100	63	79	92	93	93	100			11	17	50	89	94	97	99	100	17	52	99	99	99	100		
06799500	79	87	91	93	93	98	100		0	1	52	99	100				48	59	90	98	98	99	100	
06800000	64	72	83	86	86	95	100		2	5	32	84	90	94	98	100	50	59	91	98	98	100		
06803000	77	78	78	79	79	96	100		77	79	80	81	81	94	100		68	70	71	71	71	90	99	100
06803555	66	80	83	83	85	96	100		0	0	4	37	89	98	100		64	71	77	77	77	89	100	
06804000	73	77	83	84	84	96	100		0	0	19	70	94	99	1	0	70	74	80	83	83	94	100	
06806500	75	88	89	89	89	97	100		29	31	40	50	58	68	86	98	79	86	88	88	88	98	100	
06807000	65	71	75	76	76	90	98	100	1	30	52	76	91	97	100		59	68	70	70	70	83	96	100
06808500	75	80	82	82	82	90	98	100	13	14	32	69	84	91	96	100	72	75	77	77	77	88	98	100
06809500	80	85	87	87	87	94	100		0	8	76	98	100				61	64	68	71	71	84	96	100
06811500	88	88	88	88	88	99	100		4	4	13	74	90	97	100		63	65	66	66	66	84	98	100
06813000	77	80	84	86	86	94	100		2	2	10	72	91	96	99	100	71	77	87	91	91	97	100	
06814000	82	90	93	96	96	100			14	15	20	65	94	99	100		81	91	94	94	94	100		
06817000	68	75	81	84	84	94	100		0	4	54	72	81	89	97		54	60	79	89	89	93	99	
06817500	70	76	79	81	81	90	100		3	3	16	64	71	80	91	98	66	80	95	98	98	99	100	
06818000	76	86	94	94	94	99	100										83	91	98	98	98	100		

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06819190	EAST FORK ONE HUNDRED AND TWO RIVER NEAR BEDFORD, IA	40.634	94.745			201
06819500	ONE HUNDRED AND TWO RIVER AT MARYVILLE, MO	40.390	94.830	1200.	03/21/79	202
06820500	PLATTE RIVER NEAR AGENCY, MO	39.690	94.700	1100.	12/05/79	203
06821500	ARIKAREE RIVER AT HAIGLER, NE	40.030	101.970	4650.	08/04/78	204
06823000	NORTH FORK REPUBLICAN RIVER AT COLORADO-NEBRASKA STATE LINE	40.070	102.050	4200.	08/04/78	205
06823500	BUFFALO CREEK NEAR HAIGLER, NE	40.050	101.870	3700.	08/04/78	206
06824000	ROCK CREEK AT PARKS, NE	40.040	101.730	3350.	08/04/78	207
06824500	REPUBLICAN RIVER AT BENKELMAN, NE	40.032	101.542			208
06825500	LANDSMAN CREEK NEAR HALE, CO	39.580	102.250	4200.	06/23/78	209
06827500	SOUTH FORK REPUBLICAN RIVER NEAR BENKELMAN, NE	40.009	101.542			210
06828500	REPUBLICAN RIVER AT STRATTON, NE	40.141	101.228			211
06831500	FRENCHMAN CREEK NEAR IMPERIAL, NE	40.430	101.620	3780.	08/04/78	212
06835000	STINKING WATER CREEK NEAR PALISADE, NE	40.370	101.110	3460.	08/04/78	213
06835500	FRENCHMAN CREEK AT CULBERTSON, NE	40.230	100.880	3500.	08/04/78	214
06836000	BLACKWOOD CREEK NEAR CULBERTSON, NE	40.240	100.810	2930.	08/04/78	215
06837000	REPUBLICAN RIVER AT MCCOOK, NE	40.188	100.618			216
06838000	RED WILLOW CREEK NEAR RED WILLOW, NE	40.240	100.500	2900.	08/04/78	217
06841000	MEDICINE CREEK ABOVE HARRY STRUNK LAKE, NE	40.500	100.320	2850.	08/04/78	218
06844500	REPUBLICAN RIVER NEAR ORLEANS, NE	40.131	99.502			219
06844700	SOUTH FORK SAPPA CREEK NEAR BREWSTER, KS	39.285	101.466		05/31/79	220
06844900	SOUTH FORK SAPPA CREEK NEAR ACHILLES, KS	39.677	100.722	3280.	04/29/78	221
06845000	SAPPA CREEK NEAR OBERLIN, KS	39.790	100.570	3155.	03/13/78	222
06845200	SAPPA CREEK NEAR BEAVER CITY, NE	40.050	99.890	3100.	08/04/78	223
06846500	BEAVER CREEK AT CEDAR BLUFFS, KS	39.980	100.560	3480.	04/29/78	224
06847000	BEAVER CREEK NEAR BEAVER CITY, NE	40.120	99.890	3300.	08/04/78	225
06847500	SAPPA CREEK NEAR STAMFORD, NE	40.130	99.550	3180.	08/04/78	226
06848000	PRAIRIE DOG CREEK AT NORTON, KS	39.810	99.920	2741.	03/13/78	227
06848500	PRAIRIE DOG CREEK NEAR WOODRUFF, KS	39.990	99.480	2608.	03/13/78	228
06851000	CENTER CREEK AT FRANKLIN, NE	40.100	98.980	2250.	08/04/78	229
06853500	REPUBLICAN RIVER NEAR HARDY, NE	40.000	97.915			230
06854000	WHITE ROCK CREEK AT LOVEWELL, KS	39.886	98.022	1812.	03/13/78	231
06855800	BUFFALO CREEK NEAR JAMESTOWN, KS	39.615	97.856	1570.	04/29/78	232
06855900	WOLF CREEK NEAR CONCORDIA, KS	39.543	97.722	1530.	04/29/78	233
06856000	REPUBLICAN RIVER AT CONCORDIA, KS	39.590	97.659		03/09/75	234
06859500	LADDER CREEK BELOW CHALK CREEK NEAR SCOTT CITY, KS	38.789	100.869	3500.	04/29/78	235
06860000	SMOKY HILL RIVER AT ELKADER, KS	38.793	100.855	3600.	04/29/78	236
06861000	SMOKY HILL RIVER NEAR ARNOLD, KS	38.807	100.020	3360.	04/29/78	237
06862700	SMOKY HILL RIVER NEAR SCHOECHEN, KS	38.725	99.392		03/09/75	238
06863500	BIG CREEK NEAR HAYS, KS	38.813	99.254	2390.	04/29/78	239
06863900	NORTH FORK BIG CREEK NEAR VICTORIA, KS	38.887	99.206	2100.	04/29/78	240

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIPITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06819190	1.4300	57.7000	163.0000	206.0000	265.0000	299.0000	338.0000				
06819500	5.8300	209.0000	334.0000	422.0000	535.0000	620.0000	705.0000				
06820500	24.5000	409.0000	688.0000	904.0000	1195.0000	1428.0000	1672.0000				
06821500	0.6970	69.4000	186.0000	331.0000	649.0000	1028.0000	1589.0000				
06823000	1.3700	8.3600	16.8000	25.4000	40.8000	56.7000	77.3000				
06823500	0.2210	0.9340	1.5600	2.1500	3.0600	3.9400	4.9600				
06824000	0.4020	1.2500	2.2900	3.3100	5.0100	6.6600	8.7200				
06824500	2.5600	40.5000	106.0000	186.0000	357.0000	558.0000	853.0000				
06825500	0.1080	42.2000	96.3000	148.0000	235.0000	317.0000	414.0000				
06827500	1.5400	80.2000	201.0000	297.0000	425.0000	518.0000	609.0000				
06828500	3.9100	104.0000	235.0000	357.0000	550.0000	725.0000	926.0000				
06831500	1.9300	7.5900	16.3000	25.5000	42.8000	61.2000	85.5000				
06835000	1.2100	10.1000	22.3000	35.7000	60.9000	88.4000	125.0000				
06835500											
06836000	0.1880	12.1000	28.9000	48.2000	86.7000	130.0000	191.0000				
06837000											
06838000	0.8920	11.5000	23.2000	34.8000	55.5000	76.2000	102.0000				
06841000	1.9400	59.8000	145.0000	245.0000	448.0000	677.0000	1000.0000				
06844500	9.2900	110.0000	195.0000	263.0000	360.0000	442.0000	530.0000				
06844700	0.0056	1.8400	7.5000	15.5000	33.4000	54.7000	85.0000	19.5	2.30	98	74.0
06844900	0.1360	12.9000	40.8000	74.2000	140.0000	210.0000	303.0000	19.5	2.30	68	446
06845000	0.5010	24.6000	71.1000	124.0000	223.0000	329.0000	462.0000				
06845200	1.0800	39.9000	83.6000	122.0000	180.0000	231.0000	289.0000				
06846500	0.6320	17.0000	40.2000	63.5000	103.0000	142.0000	187.0000				
06847000	0.7700	16.1000	41.6000	66.3000	111.0000	153.0000	203.0000				
06847500	1.9300	37.7000	89.5000	139.0000	221.0000	297.0000	385.0000				
06848000											
06848500	1.1700	66.6000	143.0000	213.0000	326.0000	425.0000	544.0000				
06851000	0.2000	7.7900	30.3000	60.3000	124.0000	195.0000	292.0000				
06853500	17.7000	130.0000	235.0000	340.0000	538.0000	736.0000	991.0000				
06854000											
06855800	2.2800	66.3000	164.0000	261.0000	425.0000	578.0000	759.0000				
06855900	0.3570	30.3000	57.5000	79.3000	111.0000	137.0000	166.0000				
06856000	22.0000	224.0000	397.0000	538.0000	765.0000	991.0000	1246.0000				
06859500	0.2410	21.0000	75.1000	145.0000	289.0000	450.0000	671.0000				
06860000	0.9740	55.0000	203.0000	397.0000	802.0000	1250.0000	1870.0000				
06861000	2.0400	144.0000	368.0000	558.0000	821.0000	1023.0000	1227.0000				
06862700	0.9770	58.1000	170.0000	287.0000	490.0000	682.0000	911.0000				
06863500	1.1900	51.8000	102.0000	150.0000	227.0000	300.0000	391.0000				
06863900	0.1220	13.1000	39.1000	69.1000	127.0000	188.0000	268.0000	24.0	2.60	63	54

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL					
06819190		14.3000			0.8700			.40			.00080
06819500		24.7000			1.0400		3.200	.50	2.40	5.7	.00049
06820500		41.2000			2.3500		4.000	.33	0.0	3.7	.00036
06821500		5.9400			0.6100		4.200	.36	0.0	17.4	.0015
06823000		5.7900			0.5500		5.200	.48	0.0	14.9	.0011
06823500		1.9200			0.4700		5.600	.34	0.0	13.3	.0025
06824000		2.7400			0.3700		7.200	.30	0.0	17.8	.0025
06824500		36.8000			0.3000			.30			.0018
06825500		3.8100			0.7100			.34	1.00	18.0	.0027
06827500		35.1000			0.3000			.34			.0020
06828500		38.1000			0.3000			.30			.0020
06831500		11.0000			0.5000		3.200	2.4	0.0	9.6	.0014
06835000		8.2300			0.7000		3.900	.47	0.0	10.7	.0023
06835500							3.600		0.0	8.9	
06836000		3.8400			1.0800		3.200	.090	0.0	12.4	.0013
06837000											
06838000		5.4900			1.0400		4.700	.058	0.0	11.0	.0013
06841000		12.3000			0.6500		4.400	.72	0.0	10.1	.0011
06844500		43.9000			1.7100			.59			.00066
06844700		8.5300	12.8000		0.4110	1.0200				10.8	.00098
06844900		5.7900	41.1000		0.6950	1.1500	3.370		0.0	12.8	.0012
06845000		4.8800			0.6200		3.370	.80	0.0	11.3	.0013
06845200		7.9200			0.6500		3.200	.45	0.0	6.8	.00080
06846500		4.1100			0.6400		3.370	.02	0.0	9.6	.0010
06847000		4.2700			0.4300		3.200	.56	0.0	6.7	.0013
06847500		8.0800			0.3800		3.200	.56	0.0	6.5	.00067
06848000							3.390		0.0	9.0	
06848500		4.8800			0.4000		3.390	.030	0.15	7.5	.00064
06851000		6.0000			0.7500		2.700	.28	0.0	5.5	.0048
06853500		42.7000			0.8600			.71			.00072
06854000							3.000		0.90	7.5	
06855800		7.3200			0.4700			.03	3.50	6.1	.00028
06855900		3.3500			0.2900			.02	3.60	8.7	.00061
06856000		57.9000			2.9000			.46			.00066
06859500		2.7400			0.1700			1.7	0.0	8.9	.0026
06860000		6.8600			0.4000		3.120	.74	0.0	14.0	.0028
06861000		37.2000			0.4000		2.990	.80	0.0	11.4	.0012
06862700		6.7100			0.1800			1.2			.0010
06863500		7.0100			1.0100		2.900	.41	0.0	7.1	.00081
06863900		3.6600	7.0100		0.5490			2.6	0.40	8.3	.0012

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06819190	35	39	43	46	46	51	55	60	22	26	30	68	92	100			69	77	81	83	83	93	100	
06819500	59	63	69	73	74	87	99	100	2	2	8	49	78	86	92	97	66	75	80	82	82	90	99	100
06820500	51	52	53	53	53	67	90	99	6	8	21	88	98	100			30	32	32	33	33	43	68	92
06821500	33	41	48	54	56	64	83	98	0	3	70	98	100				25	31	64	85	85	91	98	100
06823000	37	76	94	97	97	99	100		0	0	15	54	92	98	100		47	70	85	87	87	92	98	100
06823500	13	40	88	98	98	100			4	13	32	89	99	100			29	57	85	92	92	96	100	
06824000	25	57	72	72	72	78	87	97	2	15	43	65	72	78	85	94	41	91	97	97	97	98	100	
06824500									0	2	31	94	99	100										
06825500	37	45	52	62	62	71	88	100	24	26	37	63	78	87	97	100	14	17	50	91	96	98	98	100
06827500									0	2	29	60	70	76	81	89								
06828500									0	0	26	95	99	100										
06831500	45	81	91	91	91	95	100		11	26	32	34	42	47	64	83	39	59	66	73	75	83	100	
06835000	88	99	99	99	99	99	100		19	31	35	52	70	79	89	97	71	91	93	93	93	95	100	
06835500									0	4	48	77	87	96	100									
06836000	50	65	69	72	72	79	93	100	40	54	57	83	92	96	100		79	85	86	87	87	93	100	
06837000									0	1	12	50	78	90	98									
06838000	55	64	65	65	65	74	88	100	51	57	58	67	82	89	100		37	40	40	40	40	60	100	
06841000	68	96	99	99	99	100			17	24	27	34	56	70	88	97	64	79	80	81	81	86	100	
06844500	58	76	83	89	89	92	97	100	0	1	13	40	74	84	94	98	56	78	88	88	88	90	94	100
06844700																								
06844900	49	74	84	87	87	94	98	100	44	46	48	60	79	91	97	100	90	97	100					
06845000																								
06845200																								
06846500	92	97	99	99	99	100			98	100														
06847000	26	29	31	32	32	47	73	100	34	39	43	49	54	64	75	88	58	69	79	84	84	90	96	100
06847500	32	33	36	37	37	49	68	100	8	10	12	45	73	90	100		46	50	54	57	59	69	86	100
06848000	40	74	84	89	95	98	100		10	17	38	61	75	83	95	100	71	83	85	86	86	97	100	
06848500	80	86	88	88	88	98	100		62	63	64	64	64	87	100		67	79	85	94	94	100		
06851000	30	39	49	53	54	64	93	100	0	10	67	96	98	100			29	39	70	86	88	91	96	100
06853500	2	2	7	32	59	80	90	90	0	0	6	40	61	93	98	100	43	66	79	89	90	99	100	
06854000	95	95	95	95	95	100			85	91	93	93	99	100			81	92	93	93	100			
06855800	82	83	84	85	85	93	99	100																
06855900	88	89	90	92	94	98	100																	
06856000	62	66	67	71	71	88	100		3	3	10	57	80	87	93	98	13	14	18	67	84	94	100	
06859500	63	70	84	97	100				4	4	5	10	34	54	81	92	33	36	45	80	86	92	98	100
06860000	34	34	34	37	55	77	97	100	19	20	22	40	58	76	92	97	32	32	49	76	79	86	94	100
06861000																								
06862700	30	30	32	48	60	90	99	100	1	1	1	7	45	66	85	94	8	8	10	26	68	82	96	100
06863500	66	74	79	86	86	96	100		29	31	40	55	69	81	92	95	54	59	65	75	82	94	99	100
06863900	94	98	98	100					26	27	27	28	30	42	64	90	97	98	100					

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06864050	SMOKY HILL RIVER NEAR BUNKER HILL, KS	38.794	98.781			241
06864500	SMOKY HILL RIVER AT ELLSWORTH, KS	38.727	98.233	2968.	03/13/78	242
06865500	SMOKY HILL RIVER NEAR LANGLEY, KS	38.611	97.951		03/09/75	243
06866000	SMOKY HILL RIVER AT LINDSBORG, KS	38.566	97.672	2878.	03/13/78	244
06866500	SMOKY HILL RIVER NEAR MENTOR, KS	38.798	97.574	2853.	03/13/78	245
06867000	SALINE RIVER NEAR RUSSELL, KS	38.967	98.856	2450.	04/29/78	246
06867500	PARADISE CREEK NEAR PARADISE, KS	39.074	98.854	2000.	03/13/78	247
06868200	SALINE RIVER AT WILSON DAM, KS	38.976	98.489		03/09/75	248
06869500	SALINE RIVER AT TESCOTT, KS	39.004	97.874	2087.	03/13/78	249
06870200	SMOKY HILL RIVER AT NEW CAMBRIA, KS	38.854	97.032		03/09/75	250
06871000	NORTH FORK SOLOMON RIVER AT GLADE, KS	39.678	99.308	2460.	04/29/78	251
06871500	BOW CREEK NEAR STOCKTON, KS	39.560	99.280	2400.	04/29/78	252
06872500	NORTH FORK SOLOMON RIVER AT PORTIS, KS	39.554	98.692		03/09/75	253
06873000	SOUTH FORK SOLOMON RIVER ABOVE WEBSTER RESERVOIR, KS	39.374	99.582	2610.	04/29/78	254
06873700	KILL CREEK NEAR BLOOMINGTON, KS	39.379	98.859	1920.	04/29/78	255
06874000	SOUTH FORK SOLOMON RIVER AT OSBORNE, KS	39.429	98.694	2279.	03/13/78	256
06875900	SOLOMON RIVER NEAR GLEN ELDER, KS	39.474	98.283		03/09/75	257
06876000	SOLOMON RIVER AT BELOIT, KS	39.420	98.060	2109.	03/13/78	258
06876700	SALT CREEK NEAR ADA, KS	39.142	97.836	1500.	04/29/78	259
06876900	SOLOMON RIVER AT NILES, KS	38.970	97.480	1985.	03/13/78	260
06877600	SMOKY HILL RIVER AT ENTERPRISE, KS	38.907	97.120	2334.	03/13/78	261
06878000	CHAPMAN CREEK NEAR CHAPMAN, KS	39.031	97.040	1330.	07/03/79	262
06878500	LYON CREEK NEAR WOODBINE, KS	38.885	96.910	1343.	07/03/79	263
06879100	KANSAS RIVER AT FORT RILEY, KS	39.053	96.776		03/09/75	264
06879900	BIG BLUE RIVER AT SURPRISE, NE	41.100	97.310	1712.	08/04/78	265
06880000	LINCOLN CREEK NEAR SEWARD, NE	40.920	97.150	1690.	08/04/78	266
06880500	BIG BLUE RIVER AT SEWARD, NE	40.900	97.100	1680.	08/04/78	267
06880800	WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NE	40.730	97.180	1739.	08/04/78	268
06881000	BIG BLUE RIVER NEAR CRETE, NE	40.600	96.960	1680.	08/04/78	269
06883575	LITTLE BLUE RIVER NEAR ALEXANDRIA, NE	40.390	97.390	1900.	08/04/78	270
06884200	MILL CREEK AT WASHINGTON, KS	39.814	97.039	1480.	04/29/78	271
06884400	LITTLE BLUE RIVER NEAR BARNES, KS	39.776	96.858	1670.	04/29/78	272
06885500	BLACK VERMILLION RIVER NEAR FRANKFORT, KS	39.684	96.438	1330.	04/29/78	273
06887500	KANSAS RIVER AT WAMEGO, KS	39.198	96.304		03/09/75	274
06888000	VERMILLION CREEK NEAR WAMEGO, KS	39.350	96.220	1260.	04/29/78	275
06889000	KANSAS RIVER AT TOPEKA, KS	39.067	95.649		03/09/75	276
06889000	KANSAS RIVER AT SARDOU BRIDGE, AT TOPEKA, KS	39.067	95.649		03/09/75	277
06889500	SOLDIER CREEK NEAR TOPEKA, KS	39.100	95.720	1120.	04/29/78	278
06891000	KANSAS RIVER AT LECOMPTON, KS	39.052	95.388		03/09/75	279
06891100	KANSAS RIVER AT EUDORA, KS	38.956	95.095			280

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06864050	5.8100	193.0000	397.0000	538.0000	765.0000	963.0000	1133.0000				
06864500	7.4200	238.0000	482.0000	623.0000	765.0000	906.0000	1020.0000				
06865500	9.1500										
06866000	10.8000										
06866500	12.4000	130.0000	238.0000	340.0000	482.0000	562.0000	821.0000				
06867000	3.3700	107.0000	249.0000	380.0000	578.0000	753.0000	952.0000				
06867500	0.5490	26.0000	88.9000	167.0000	326.0000	499.0000	725.0000				
06868200	1.8100										
06869500	4.9800	88.7000	197.0000	297.0000	459.0000	606.0000	776.0000				
06870200	18.2000	167.0000	410.0000	722.0000	1520.0000	2630.0000	4390.0000				
06871000	0.9570	65.1000	185.0000	317.0000	561.0000	810.0000	1125.0000				
06871500	0.4360	38.2000	93.5000	148.0000	240.0000	329.0000	433.0000				
06872500	4.1100	113.0000	255.0000	368.0000	567.0000	736.0000	906.0000				
06873000	2.0400	126.0000	354.0000	598.0000	1031.0000	1456.0000	1977.0000				
06873700	0.0747	6.0000	26.1000	53.0000	111.0000	179.0000	274.0000				
06874000	3.8000	51.0000	155.0000	272.0000	482.0000	680.0000	906.0000				
06875900	3.6000										
06876000	4.8100										
06876700	1.5800	35.7000	127.0000	235.0000	439.0000	646.0000	901.0000				
06876900	11.8000	192.0000	397.0000	589.0000	912.0000	1218.0000	1586.0000				
06877600	41.3000	281.0000	544.0000	790.0000	1200.0000	1600.0000	2080.0000				
06878000	2.4000	107.0000	204.0000	281.0000	394.0000	487.0000	586.0000				
06878500	3.0600	183.0000	510.0000	853.0000	1450.0000	2030.0000	2720.0000				
06879100	83.0000										
06879900	0.8300	48.1000	123.0000	191.0000	295.0000	380.0000	473.0000				
06880000	1.2800	34.6000	75.1000	108.0000	154.0000	191.0000	229.0000				
06880500	3.1700	81.3000	194.0000	291.0000	433.0000	550.0000	674.0000				
06880800	5.0100	89.2000	162.0000	214.0000	281.0000	331.0000	382.0000				
06881000	9.9400	195.0000	408.0000	578.0000	813.0000	1000.0000	1187.0000				
06883575	6.7400	182.0000	343.0000	459.0000	612.0000	728.0000	841.0000				
06884200	2.8200	132.0000	258.0000	363.0000	516.0000	643.0000	782.0000				
06884400	18.6000	346.0000	660.0000	923.0000	1314.0000	1652.0000	2028.0000				
06885500	3.8800	210.0000	487.0000	739.0000	1142.0000	1496.0000	1898.0000				
06887500	138.0000	1080.0000	2080.0000	2920.0000	4190.0000	5300.0000	6520.0000				
06888000	2.5700	141.0000	297.0000	425.0000	612.0000	768.0000	935.0000				
06889000	182.0000	1312.0000	2465.0000	3399.0000	4787.0000	5977.0000	7252.0000				
06889000	182.0000	1312.0000	2465.0000	3399.0000	4787.0000	5977.0000	7252.0000				
06889500											
06891000	213.0000	1561.0000	2889.0000	3881.0000	5326.0000	6459.0000	7677.0000				
06891100	218.0000										

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL WIDTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL WIDTH, IN METERS: BANKFULL LEVEL	CHANNEL DEPTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL DEPTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL DEPTH, IN METERS: BANKFULL LEVEL	SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
06864050		33.5000			0.4700			.78			.00074
06864500		30.5000			0.6500		2.910	.77	0.10	8.9	.00055
06865500		31.1000			0.8320			1.90		8.2	.00063
06866000		23.5000			1.1100			1.80	0.20	7.4	.00032
06866500		33.2000			1.2700			.33	0.20	6.6	.00021
06867000		13.7000			0.6300		2.990	.64	0.10	7.8	.00058
06867500		6.1000			0.5000		2.900	.51	0.40	12.0	.0013
06868200		9.1400	33.5000		0.9660			.13			.00038
06869500		12.8000			1.2800		2.800	1.80	0.42	6.1	.00058
06870200		24.4000			2.4400			.20			.00027
06871000		7.0100			0.1400		3.400	.47	0.35	9.3	.0013
06871500		7.0100			0.1600		3.360	.72	0.12	9.1	.0019
06872500		15.5000			0.3800			.57		8.3	.00054
06873000		11.0000			0.2500		3.370	.59	0.14	10.4	.0015
06873700		3.6600			0.3600			5.4	0.80	24.0	.0018
06874000		11.6000			0.2800			.88	0.36	9.3	.0010
06875900		17.1000			0.9170			.92			.00033
06876000		17.1000			1.3800		3.180	1.00	0.32	7.2	.00031
06876700		7.0100			0.4500			.04	0.80	4.6	.00038
06876900		23.5000			1.7400		3.110	.58	0.95	5.2	.00017
06877600		59.4000			2.2900		2.900	.43	0.59	5.6	.00036
06878000		9.7500			1.9800		2.400	.05	3.00	4.2	.00054
06878500		7.9200			0.6100		2.400	.02	2.00	5.4	.00079
06879100		143.0000						.35			.00038
06879900		6.1000			0.5900			1.2	0.0	5.2	.00044
06880000		7.6200			1.1200		2.500	.03	0.0	3.0	.00046
06880500		11.0000			1.0100		2.500	.22	0.0	2.8	.00039
06880800		16.5000			1.2800		2.500	.27	1.00	3.1	.00025
06881000		26.8000			1.3700		2.500	.35	1.00	2.6	.00028
06883575		39.6000			2.0000			.62	1.00	5.0	.0012
06884200		11.1000			0.8400		2.280	.42	3.50	4.5	.00062
06884400		52.4000			1.2200		2.780	.66	2.00	5.3	.00052
06885500		12.8000			0.9200		2.600	.03	2.00	5.7	.00049
06887500		223.0000			11.0000			.65			.00025
06888000		7.4700			0.7500		2.570	.04	5.46	5.5	.00072
06889000		171.0000						.42			.00027
06889000		171.0000						.42			.00027
06889500							2.790		8.15	5.5	
06891000		238.0000	250.0000		2.7400			.69			.00027
06891100		259.0000	265.0000					.50			.00034

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06864050	69	77	80	81	81	94	100		3	3	6	23	62	76	86	100	66	81	91	97	98	98	99	100
06864500	52	64	80	89	89	98	100		1	1	5	18	62	79	92	98	55	76	88	93	97	100		
06865500	37	60	93	97	97	100			5	7	12	23	42	82	88	93	15	19	23	37	60	81	94	99
06866000																								
06866500	90	93	94	94	94	99	100		10	12	38	67	85	92	97	99	52	54	54	55	55	70	85	95
06867000	62	70	78	83	86	97	100		4	4	9	37	68	84	95	98	58	64	74	89	89	98	100	
06867500	59	66	71	72	72	81	91	97	27	34	37	49	86	94	99	100	78	85	89	96	100			
06868200	61	81	89	91	91	98	100		15	25	49	71	80	85	91	98	41	54	77	95	97	100		
06869500	52	59	60	60	60	68	81	98	37	39	43	44	44	54	72	94								
06870200	70	91	100						5	8	78	100					77	86	99	100				
06871000	73	76	82	90	94	99	100		7	7	7	56	94	98	100		86	86	86	86	86	95	99	100
06871500									7	7	7	21	73	86	94	96	33	33	35	51	64	82	94	100
06872500	85	91	92	94	94	99	100		7	7	8	30	70	84	94	99	45	58	67	78	85	95	99	100
06873000	9	10	28	79	94	96	99	100	2	2	4	33	76	91	98	100	28	28	34	75	82	93	100	
06873700																								
06874000	18	20	28	48	82	95	99	100	9	11	21	40	52	65	78	92	11	11	16	50	73	83	90	94
06875900																								
06876000																								
06876700	59	62	64	65	65	77	95	100	51	52	74	96	100				87	92	98	100				
06876900	57	60	61	61	61	72	89	99	13	13	16	39	84	94	98	99	36	45	52	52	52	72	93	100
06877600	94	99	100						2	3	16	57	75	88	95	99	57	74	96	100				
06878000	83	89	98	100					52	56	56	57	57	66	81	97	97	98	99	100				
06878500	92	94	98	99	100				90	92	94	100					46	50	75	100				
06879100																								
06879900	42	44	45	47	47	68	96	100	44	44	52	69	80	92	99	100	76	78	80	80	80	96	100	
06880000	63	68	74	76	76	90	100		74	78	79	81	82	88	97	100	74	81	82	82	82	93	100	
06880500	82	86	88	88	88	96	100		42	45	52	76	83	86	90	94	75	81	85	85	85	96	100	
06880800	73	81	85	88	88	96	100		2	5	46	66	75	87	97	100	74	82	95	98	98	100		
06881000	84	91	95	95	95	99	100		0	0	0	87	88	96	100		23	29	76	90	90	94	98	100
06883575	65	85	89	89	89	92	97	100	0	1	13	38	70	76	83	92	70	76	79	79	79	83	90	95
06884200	73	79	84	88	88	97	100		9	10	15	66	99	100			58	72	92	96	96	100		
06884400	81	92	94	94	96	100			10	11	16	40	65	78	91	97	91	95	96	96	96	100		
06885500	60	64	71	94	94	100			78	83	85	91	93	99	100		84	84	84	84	84	100		
06887500									0	0	8	32	74	87	95	100	12	12	13	13	13	28	52	77
06888000	63	87	100						64	76	87	92	100				79	96	99	100				
06889000	64	81	85	85	85	98	100										90	96	97	97	98	100		
06889000	64	81	85	85	85	98	100										90	96	97	97	98	100		
06889500	79	85	88	100					3	3	4	26	74	86	93	96	77	82	84	85	85	99	100	
06891000	75	90	95	95	97	100			1	3	15	37	53	63	79	90	93	94	95	95	95	99	100	
06891100																								

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
06891500	WAKARUSA RIVER NEAR LAWRENCE, KS	38.910	95.260	1020.	04/29/78	281
06892000	STRANGER CREEK NEAR TONGANOXIE, KS	39.120	95.010	1020.	04/29/78	282
06892350	KANSAS RIVER AT DESOTO, KS	38.983	94.964			283
06892500	KANSAS RIVER AT BONNER SPRINGS, KS	39.603	94.873		03/09/75	284
06894000	LITTLE BLUE RIVER NEAR LAKE CITY, MO	39.100	94.300	900.	03/21/79	285
06895500	MISSOURI RIVER AT WAVERLY, MO	39.214	93.514			286
06896500	THOMPSON BRANCH NEAR ALBANY, MO	40.210	94.330	1000.	05/17/79	287
06897500	GRAND RIVER NEAR GALLATIN, MO	39.930	93.940	1000.	03/21/79	288
06898100	THOMPSON RIVER AT MOUNT MORIAH, MO	40.340	93.610	1100.	12/15/79	289
06898400	WELDON RIVER NEAR LEON, IA	40.696	93.635			290
06899500	THOMPSON RIVER AT TRENTON, MO	40.080	93.640	1000.	03/21/79	291
06899700	SHOAL CREEK NEAR BRAYMER, MO	39.680	93.770	900.	03/21/79	292
06902000	GRAND RIVER NEAR SUMNER, MO	39.640	93.270	1000.	03/21/79	293
06902200	WEST YELLOW CREEK NEAR BROOKFIELD, MO	39.840	93.030	900.	03/21/79	294
06905500	CHARITON RIVER NEAR PRAIRIE HILL, MO	39.540	92.790	900.	03/21/79	295
06906600	BURGE BRANCH NEAR ARROW ROCK, MO	39.050	92.940	700.	05/17/79	296
06907700	BLACKWATER RIVER AT VALLEY CITY, MO	38.870	93.620	800.	03/21/79	297
06908000	BLACKWATER RIVER NEAR BLUE LICK, MO	38.990	93.200	800.	03/21/79	298
06909000	MISSOURI RIVER AT BOONEVILLE, MO	38.978	92.754			299
06910500	MOREAU RIVER NEAR JEFFERSON CITY, MO	38.530	92.190	900.	03/21/79	300
06911500	SALT CREEK NEAR LYNDON, KS	38.610	95.640	1140.	04/29/78	301
06911900	DRAGOON CREEK NEAR BURLINGAME, KS	38.708	95.839	1210.	04/29/78	302
06912500	HUNDRED AND TEN MILE CREEK NEAR QUENEMO, KS	38.640	95.560	1153.	03/13/78	303
06913500	MARAIS DES CYGNES RIVER NEAR OTTAWA, KS	38.620	95.260	1114.	03/13/78	304
06914000	POTTAWATOMIE CREEK NEAR GARNETT, KS	38.330	95.250	1050.	04/29/78	305
06918700	OAK GROVE BRANCH NEAR BRIGHTON, MO	37.400	93.360	1200.	05/17/79	306
06920500	OSAGE RIVER AT OSCEOLA, MO	38.060	93.690	1000.	03/21/79	307
06921200	LINDLEY CREEK NEAR POLK, MO	37.750	93.270	1100.	03/21/79	308
06921740	BRUSHY CREEK NEAR BLAIRSTOWN, MO	38.530	94.010	900.	12/15/79	309
06925200	STARKS CREEK AT PRESTON, MO	37.940	93.200	1100.	05/17/79	310
06927800	OSAGE FORK AT DRYNOB, MO	37.630	92.450	1300.	12/15/79	311
06930000	BIG PINEY RIVER NEAR BIG PINEY, MO	37.670	92.050	1200.	03/21/79	312
06931500	LITTLE BEAVER CREEK NEAR ROLLA, MO	37.930	91.840	1000.	05/17/79	313
06932000	LITTLE PINEY CREEK AT NEWBURG, MO	37.910	91.900	1100.	03/21/79	314
06934500	MISSOURI RIVER AT HERMANN, MO	38.710	91.439			315
07138650	WHITEWOMAN CREEK NEAR LEOTI, KS	38.481	101.488		04/29/78	316
07144850	SO. FK. SO. FK. NINNESCAH RIVER NEAR PRATT, KS	37.586	98.828	2030.	04/29/78	317
07156220	BEAR CREEK NEAR JOHNSON, KS	37.626	101.761		03/09/75	318
07188500	LOST CREEK AT SENECA, MO	36.841	94.608	1070.	12/26/79	319
07190600	BIG CABIN CREEK NEAR PYRAMID CORNERS, OK	36.802	95.163	854.	12/26/79	320

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
06891500	5.6100	184.0000	360.0000	496.0000	688.0000	841.0000	1002.0000				
06892000	6.1700	164.0000	312.0000	431.0000	598.0000	734.0000	875.0000				
06892350	242.0000	1420.0000	2830.0000	3680.0000	4530.0000	5670.0000	6800.0000				
06892500	242.0000										
06894000	3.8200	113.0000	180.0000	226.0000	286.0000	329.0000	371.0000				
06895500	1370.0000	3200.0000	6955.0000	8389.0000	10458.0000	11484.0000	12773.0000				
06896500	0.0800	20.0000	42.5000	60.6000	87.0000	108.0000	131.0000				
06897500	32.3000	700.0000	1105.0000	1380.0000	1720.0000	1969.0000	2212.0000				
06898100	15.6000	419.0000	623.0000	753.0000	915.0000	1028.0000	1139.0000				
06898400	2.0700	109.0000	360.0000	471.0000	623.0000	724.0000	833.0000				
06899500	26.3000	640.0000	1074.0000	1371.0000	1739.0000	2011.0000	2272.0000				
06899700	7.3900	199.0000	300.0000	368.0000	450.0000	507.0000	567.0000				
06902000	108.0000	1513.0000	2340.0000	2889.0000	3626.0000	4136.0000	4674.0000				
06902200	3.0900	87.8000	144.0000	184.0000	234.0000	271.0000	309.0000				
06905500	32.4000	394.0000	561.0000	663.0000	785.0000	870.0000	949.0000				
06906600	0.0040	1.8700	3.4800	4.6700	6.3200	7.5900	8.8900				
06907700	12.8000	683.0000	1263.0000	1702.0000	2297.0000	2759.0000	3229.0000				
06908000	20.5000	283.0000	499.0000	666.0000	901.0000	1096.0000	1306.0000				
06909000	1640.0000	2148.0000	8167.0000	10521.0000	12748.0000	16477.0000	19328.0000				
06910500	10.3000	385.0000	521.0000	603.0000	697.0000	762.0000	824.0000				
06911500											
06911900	1.9500	153.0000	245.0000	309.0000	394.0000	456.0000	521.0000				
06912500											
06913500	18.4000	314.0000	711.0000	1110.0000	1810.0000	2501.0000	3371.0000				
06914000	6.5400	303.0000	561.0000	779.0000	1105.0000	1388.0000	1705.0000				
06918700	0.0278	5.8100	12.3000	17.8000	25.8000	32.6000	39.7000				
06920500											
06921200											
06921740	0.0331	14.3000	21.7000	26.7000	32.9000	37.4000	41.6000				
06925200	0.1010	21.9000	34.3000	42.8000	53.0000	60.6000	68.0000				
06927800											
06930000	15.5000	342.0000	581.0000	751.0000	969.0000	1133.0000	1300.0000				
06931500	0.1540	38.8000	66.0000	85.5000	111.0000	131.0000	151.0000				
06932000	4.3000	177.0000	357.0000	504.0000	722.0000	906.0000	1108.0000				
06934500	2260.0000	4941.0000	11716.0000	14452.0000	18413.0000	20570.0000	23193.0000				
07138650	0.0346	18.7000	45.3000	71.6000	116.0000	158.0000	208.0000	17.0	2.40	98	750
07144850	0.0782	14.7000	49.0000	90.6000	171.0000	257.0000	368.0000	24.0	3.00	94	21
07156220	0.1300	23.5000	79.3000	148.0000	286.0000	436.0000	637.0000	16.0	2.40	96	835
07188500	0.7950	27.1000	92.6000	169.0000	312.0000	456.0000	637.0000	42.5	4.00	0	42
07190600	0.8890	134.0000	255.0000	348.0000	484.0000	592.0000	708.0000	41.0	4.00	25	71.1

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL					
06891500		12.8000			1.5400		2.340	.03	5.47	3.7	.00039
06892000		12.8000			1.2200		2.500	.03	17.60	2.8	.00018
06892350		181.0000						.55			.00034
06892500		259.0000	274.0000					.50			.00022
06894000		8.8400			1.1600		3.500	.03	4.90	6.2	.00034
06895500		320.0000			13.0000			.38			.00015
06896500		4.1100			0.2000		2.400	.42	5.80	30.9	.0032
06897500		51.8000			2.6000		2.400	.27	5.20	4.1	.00034
06898100		43.9000			2.0100		2.400	.43	6.50	3.7	.00076
06898400		21.0000			0.5800			.35			.00079
06899500		82.3000			2.1300		2.400	.32	5.70	3.6	.00076
06899700		11.9000			2.0100		2.400	.43	3.90	2.9	.00089
06902000		70.1000			3.9600		2.400	.36	4.80	3.1	.00013
06902200		11.4000			1.3700		2.400	.48	5.20	3.9	.00052
06905500		53.3000			2.1700		2.800	.41	5.60	2.2	.00032
06906600		2.7100			0.2500		3.500	1.7	17.80	76.0	.0043
06907700		18.0000			2.4400		2.800	.50	4.00	5.0	.00027
06908000		18.3000			3.6600		2.800	.03	3.50	2.5	.00035
06909000		430.0000			17.2000			.35			.00016
06910500		33.5000			2.2300		3.500	1.0	6.10	4.6	.00028
06911500							1.980		5.90	5.8	
06911900		9.1400			0.7000			80	5.00	6.6	.00063
06912500							1.980		3.79	6.7	
06913500		33.5000			1.7400		1.930	.19	4.14	3.7	.00039
06914000		9.7500			1.1600		2.060	.03	4.62	4.8	.00020
06918700		2.6500			0.1600		2.800	22	86.00	94.2	.011
06920500							2.800		5.60	1.6	
06921200							3.300		10.70	11.6	
06921740		3.7800			0.2400		2.600	1.5	9.40	57.0	.0025
06925200		2.2900			0.1800		3.700	8.6	7.20	31.0	.0056
06927800							3.700		58.00	6.5	
06930000		44.2000			1.7700		3.700	17	55.60	5.6	.0011
06931500		4.2700			0.2800		3.700	18	35.20	65.6	.0056
06932000		15.2000			0.8500		3.700	15	55.20	14.0	.0014
06934500		424.0000			17.0000			.48			.00013
07138650		7.9200	13.7000		0.2990	1.8300		.54			.0013
07144850		13.4000	13.4000		0.4390	0.4390		.055	0.10	10.6	.00190
07156220		15.5000	25.9000		0.3140	1.3700		.08			.0018
07188500		9.4500	17.1000		0.5460	1.1300	3.260	25	38.00	25.2	.00210
07190600		7.0100			0.6310		2.350	2.0	19.00	8.0	.00077

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS																							
	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
06891500																								
06892000	76	82	84	85	85	98	100		87	92	96	96	99	100										
06892350	83	94	95	97	97	100			1	2	12	44	78	91	99	100	82	92	94	96	96	98	100	
06892500																								
06894000	73	79	81	81	93	100			65	67	70	75	76	86	98	100	52	54	64	70	70	83	98	100
06895500									0	5	24	70	92	95			60	74	86	88	88	97	99	100
06896500																								
06897500	40	54	58	59	59	67	82	93	1	2	36	94	98	100			62	66	68	68	68	84	100	
06898100	61	72	79	82	82	91	99	100	1	2	16	65	93	98	100		38	41	43	44	45	61	82	96
06898400	65	72	76	78	78	88	98	100	9	13	29	68	84	91	94	95	70	81	81	81	81	93	100	
06899500	42	62	85	88	88	95	99	100	1	2	13	89	98	99	100		21	31	46	74	77	80	89	98
06899700	45	46	46	47	47	64	92	100	28	31	38	52	56	64	78	95	39	43	48	48	48	61	83	97
06902000	12	14	14	14	14	24	53	100	26	34	38	74	90	92	95	99	62	67	68	68	68	82	98	100
06902200	47	55	66	71	71	87	99	100	10	10	16	54	86	94	98	100	41	46	56	58	58	72	92	99
06905500	50	66	75	75	75	86	97	100	1	1	3	86	97	99	100		57	72	82	82	82	91	99	100
06906600	61	65	67	68	68	84	98	100	32	35	37	40	42	57	82	99	51	56	59	59	59	71	92	100
06907700	61	63	64	64	64	82	98	100	38	39	40	50	58	72	92	100	57	59	59	59	59	76	95	100
06908000	65	66	66	66	66	84	99	100	80	81	81	85	85	98	100		64	66	68	68	68	83	98	100
06909000									5	17	70	90	95				58	81	96	97	97	99	100	
06910500	53	57	62	64	64	84	100		44	45	47	49	49	64	91	99	52	52	54	54	54	70	93	100
06911500	78	87	89	91	91	100																		
06911900																								
06912500									23	26	27	30	36	44	54	62	79	84	84	84	84	98	100	
06913500	70	82	84	84	85	96	100		19	26	68	82	87	92	97	100								
06914000	93	99	100						83	88	89	89	89	98	100		93	99	100					
06918700	14	15	18	25	27	34	50	78	0	0	1	1	1	2	3	6	8	9	11	16	18	24	33	49
06920500	62	68	71	71	71	86	99	100									55	56	56	57	57	81	98	100
06921200	86	90	98	100					78	86	97	100					74	78	96	100				
06921740	53	67	67	67	67	83	100		27	26	28	31	32	61	79	92	47	56	61	65	65	81	96	99
06925200	32	37	56	66	68	78	89	93	2	2	4	6	8	15	21	44	30	34	49	57	65	80	90	96
06927800	89	93	98	100					1	3	6	15	33											
06930000	17	23	63	90	90	93	96	99	0	0	2	7	10	12	18	26	37	40	71	86	86	98	100	
06931500	2	2	15	43	49	52	57	64	0	0	0	2	6	9	16	25	9	13	36	76	82	87	93	98
06932000	6	7	14	92	96	97	99	100	0	0	1	5	7	8	11	22	9	11	20	43	44	46	48	52
06934500									5	16	53	80	92	95			44	62	77	77	77	83	91	97
07138650	86	91	94	96	96	98	100		37	40	41	48	70	86	96	98	26	29	31	34	44	54	70	87
07144850	14	20	32	78	91	95	99	100	55	82	91	93	94	98	99	100	58	72	82	88	88	93	98	100
07156220	55	60	62	65	66	81	97	100	43	62	79	86	94	96	98	100	69	78	86	96	100			
07188500	39	41	45	51	53	64	79	91	3	4	4	5	6	7	11	25	3	4	4	6	7	11	25	67
07190600	10	12	17	31	52	71	86	97	17	22	27	30	36	50	72	92	36	40	43	44	47	60	78	93

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
07196000	FLINT CREEK NEAR KANSAS, OK	36.198	94.708	1190.	12/26/79	321
07199000	CANADIAN RIVER NEAR HEBRON, NM	36.790	104.460	8300.	04/10/78	322
07207000	CIMARRON RIVER NEAR CIMARRON, NM	36.520	104.978			323
07222500	CONCHAS RIVER NEAR VARIADERO, NM	35.400	104.440	5760.	04/10/78	324
07227200	TRAMPEROS CREEK NEAR STEAD, NM	36.070	103.200	5100.	04/10/78	325
07229300	WALNUT CREEK AT PURCELL, OK	34.999	97.450	1211.	12/12/79	326
07247500	FOURCHE MALINE NEAR RED OAK, OK	34.912	95.156	600.	12/26/79	327
07249400	JAMES FORK NEAR HACKETT, AR	35.160	94.410	770.	08/08/78	328
07249500	COVE CREEK NEAR LEE CREEK, AR	35.720	94.410	1400.	08/08/78	329
07329500	RUSH CREEK NEAR MAYSVILLE, OK	34.541	97.247	1073.	12/12/79	330
07335700	KIAMICHI RIVER NEAR BIG CEDAR, OK	34.638	94.612	1686.	04/28/78	331
08128000	SOUTH CONCHO RIVER AT CHRISTOVAL, TX	31.190	100.500	2355.	03/28/78	332
08128400	MIDDLE CONCHO RIVER ABOVE TANKERSLEY, TX	31.427	100.711			333
08130500	DOVE CREEK AT KNICKERBOCKER, TX	31.270	100.630	2416.	03/28/78	334
08131400	PECAN CREEK NEAR SAN ANGELO, TX	31.310	100.450	2224.	03/28/78	335
08133500	NORTH CONCHO RIVER AT STERLING CITY, TX	31.830	100.990	2600.	03/28/78	336
08134000	NORTH CONCHO RIVER NEAR CARLSBAD, TX	31.590	100.640	2474.	03/28/78	337
08184000	CIBOLO CREEK NEAR BULVERDE, TX	29.730	98.430	1430.	03/29/78	338
08185000	CIBOLO CREEK AT SELMA, TX	29.590	98.310		08/16/76	339
08198000	SABINAL RIVER NEAR SABINAL, TX	29.490	99.500	1706.	03/29/78	340
08200000	HONDO CREEK NEAR TARPLEY, TX	29.570	99.250	1559.	03/29/78	341
08200500	HONDO CREEK NEAR HONDO, TX	29.450	99.190	1449.	03/29/78	342
08200700	HONDO CREEK AT KING WATERHOLE NEAR HONDO, TX	29.391	99.151			343
08202700	SECO CREEK AT ROWE RANCH NEAR O'HANIS, TX	29.360	99.280	1395.	03/29/78	344
08318000	GALISTEO CREEK AT DOMINGO, NM	35.510	106.320	6000.	04/17/78	345
08343000	RIO SAN JOSE AT GRANTS, NM	35.121	107.870			346
08343100	GRANTS CANYON AT GRANTS, NM	35.160	107.840	7000.	04/10/78	347
08343500	RIO SAN JOSE NEAR GRANTS, NM	35.074	107.750			348
08353000	RIO PUERCO NEAR BERNADO, NM	34.410	106.850	6900.	04/10/78	349
08355300	ARROYO DE LA MATANZA NEAR SOCORRO, NM	34.003	106.901			350
08387000	RIO RUIDOSO AT HOLLYWOOD, NM	33.330	105.610	9060.	04/17/78	351
08390500	RIO HONDO AT DIAMOND A RANCH NR ROSWELL, NM	33.350	104.850	7400.	04/17/78	352
08394500	RIO FELIX AT OLD HIGHWAY BRIDGE NEAR HAGERMAN, NM	33.120	104.340	7070.	04/17/78	353
08398500	RIO PENASCO AT DAYTON, NM	32.740	104.410	7000.	04/17/78	354
08400000	FOURMILE DRAW NEAR LAKEWOOD, NM	32.670	104.370	4685.	04/17/78	355
08401200	SOUTH SEVEN RIVERS NEAR LAKEWOOD, NM	32.590	104.420	4020.	04/17/78	356
09073400	ROARING FORK RIVER NEAR ASPEN, CO	39.108	106.801			357
09074800	CASTLE CREEK ABOVE ASPEN, CO	39.124	106.812			358
09075700	MAROON CREEK ABOVE ASPEN, CO	39.124	106.905			359
09215000	PACIFIC CREEK NEAR FARSON, WY	42.130	109.320	7270.	11/15/77	360

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
07196000	3.2300	129.0000	320.0000	498.0000	782.0000	1046.0000	1322.0000	44.5	4.10	0	110
07199000	0.2090	75.3000	181.0000	286.0000	464.0000	632.0000	835.0000	18.0	2.35	14	229
07207000	0.5750	9.8800	21.9000	32.9000	50.7000	66.8000	85.8000	20.0	2.00	0	294
07222500	0.4500	103.0000	251.0000	408.0000	688.0000	971.0000	1331.0000	15.0	2.00	32	523
07227200	0.1240	18.5000	190.0000	634.0000	2271.0000	5154.0000	10704.0000	16.0	2.26	72	556
07229300	1.5500	266.0000	428.0000	544.0000	694.0000	810.0000	926.0000	33.0	3.75	1	202
07247500	3.7400	180.0000	348.0000	487.0000	685.0000	850.0000	1035.0000	43.9	4.10	9	122
07249400	3.6500	201.0000	377.0000	513.0000	700.0000	850.0000	1015.0000	43.0	4.00	2	147
07249500	1.0700	157.0000	300.0000	416.0000	575.0000	702.0000	838.0000	48.0	4.00	4	35.3
07329500	1.5000	208.0000	382.0000	521.0000	714.0000	869.0000	1033.0000	34.0	3.75	10	206
07335700	2.3400	273.0000	419.0000	518.0000	643.0000	733.0000	824.0000	52.0	4.25	8	40.1
08128000	0.9570	80.7000	470.0000	1066.0000	2322.0000	3719.0000	5494.0000	16.5	3.30	0	409
08128400	0.5100	56.4000	166.0000	286.0000	507.0000	728.0000	1000.0000	20.0	3.50	45	2436
08130500	0.5010	67.1000	179.0000	292.0000	488.0000	673.0000	896.0000	18.0	3.30	3	229
08131400	0.0496	13.0000	44.7000	88.9000	189.0000	312.0000	496.0000	18.0	3.80	74	83.2
08133500	0.2510	59.8000	159.0000	261.0000	433.0000	595.0000	787.0000	18.0	3.00	68	605
08134000	1.0300	177.0000	612.0000	1088.0000	1874.0000	2609.0000	3436.0000	20.0	3.10	33	605
08184000	0.2830	71.1000	244.0000	447.0000	838.0000	1234.0000	1746.0000	32.5	3.90	94	198
08185000	0.4420	117.0000	603.0000	1033.0000	1523.0000	1801.0000	2010.0000	28.5	3.90	91	274
08198000	1.4600	114.0000	399.0000	739.0000	1384.0000	2044.0000	2898.0000	25.0	3.70	17	206
08200000	1.0900	184.0000	510.0000	841.0000	1413.0000	1954.0000	2606.0000	32.6	3.80	12	86.2
08200500	0.4700	148.0000	507.0000	937.0000	1761.0000	2626.0000	3719.0000	28.0	3.80	85	132
08200700	0.4020	240.0000	527.0000	779.0000	1163.0000	1492.0000	1860.0000	25.0	3.80	65	142
08202700	0.2550	85.0000	268.0000	501.0000	994.0000	1563.0000	2370.0000	25.0	3.80	96	168
08318000	0.2890	179.0000	312.0000	416.0000	564.0000	688.0000	821.0000	13.0	1.51	72	640
08343000	0.1000							10.0	1.50	67	1020
08343100	0.0054	9.2600	21.6000	33.7000	53.8000	72.8000	95.7000	10.0	1.50	97	13.0
08343500	0.1840	6.5400	16.5000	26.7000	44.7000	62.3000	84.1000	10.0	1.50	0	2300
08353000	1.4200	125.0000	225.0000	306.0000	422.0000	518.0000	623.0000	10.0	1.22	71	7350
08355300	0.0150	13.5000	39.6000	69.4000	125.0000	182.0000	256.0000	10.0	1.50	95	46.0
08387000	0.3740	6.0900	11.8000	16.7000	24.2000	30.6000	37.9000	25.0	1.87	0	120
08390500	0.6400	83.5000	240.0000	422.0000	770.0000	1148.0000	1638.0000	18.0	1.92	63	947
08394500	0.4530	142.0000	447.0000	711.0000	1073.0000	1346.0000	1595.0000	16.0	1.98	58	932
08398500	0.1790	78.4000	226.0000	391.0000	700.0000	1029.0000	1430.0000	18.0	2.02	95	1060
08400000	0.1210	13.3000	103.0000	272.0000	714.0000	1274.0000	2108.0000	14.0	2.00	99	265
08401200	0.1670	73.9000	337.0000	739.0000	1710.0000	2955.0000	4767.0000	14.0	2.00	98	220
09073400	3.9100	20.8000	27.5000	31.4000	36.2000	39.4000	42.5000	20.0	1.40	0	108
09074800	1.0800	9.6300	11.0000	11.8000	12.7000	13.2000	13.7000	20.0	1.4	0	32.2
09075700	1.6400	14.4000	16.8000	18.1000	19.5000	20.4000	21.3000	20.0	1.4	0	35.4
09215000	0.1410	7.3100	15.7000	22.9000	33.4000	42.5000	52.1000	8.7	1.00	69	500

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL					
07196000		21.9000			0.5940		3.260	16	44.40	19.4	.0018
07199000	8.2300	21.6000		0.1520			8.000	.2	88.00	53.8	.0054
07207000	3.0500	5.1800		0.1860	0.3630			50			.0141
07222500		18.9000			0.5640		9.000	.2	7.00	48.4	
07227200		23.2000			0.4570				6.00	25.0	.0024
07229300		23.5000	30.5000		0.7220	2.9900	3.200	.34	1.00	7.7	.0010
07247500		10.7000	24.4000				2.480		59.00	3.9	
07249400		17.7000	33.5000		1.5200				65.00	14.8	.00057
07249500		13.7000	21.3000		0.6070	1.3100		50	88.00	37.0	.00360
07329500		9.7500	22.3000		0.5270	2.4100	3.900	.31	19.40	9.0	.0014
07335700		21.0000	27.1000		0.9200	1.8000	2.820	50	45.90	58.9	
08128000		7.6200	7.6200		0.5790			10	38.00	11.9	.0015
08128400	7.3200	21.9000		0.4270	0.9750			7.0			.0014
08130500		7.0100			0.8530			11	30.00	14.9	.0020
08131400		4.2700	6.1000		0.2500	1.2200		50	58.00	19.7	
08133500	2.4400	4.8800	11.3000	0.1520	0.4080	2.1300		6.2	32.00	10.9	
08134000	4.8800	10.1000			0.5910			3.8	27.00	9.4	.0018
08184000		12.8000			0.4480			4.0	72.00	15.9	.0013
08185000		14.0000			0.6920		6.000			12.9	.0019
08198000		14.9000	14.9000		0.8560				69.00	22.5	.0021
08200000		25.9000	45.7000		0.5790	3.0500		14	77.00	32.7	.0020
08200500		18.9000	24.1000		0.3050	1.2200			76.00	22.6	.0025
08200700		15.2000	20.4000		0.5610	1.5200		50			
08202700		21.9000	27.4000		0.3110			10	78.00	20.3	.0017
08318000		46.9000			0.2130		8.000	.66	10.00	37.6	.0031
08343000		1.5800	3.3500		0.1980	0.4240		.056			.0050
08343100		3.6600	7.0100		0.1580	0.5700		.184	10.00	57.0	.0056
08343500		4.5700	8.2300								.0050
08353000	12.8000	19.2000			0.2010	1.2100		.090	6.00	14.0	.00098
08355300		8.5300	12.8000		0.6680						.016
08387000		4.8800			0.4570		6.000		94.00	252.0	.0043
08390500		4.8800			0.6100				45.00	42.8	.0033
08394500		12.8000			0.7620		8.200		12.00	39.4	.0027
08398500		7.3200			0.3050				60.00	47.7	.0036
08400000		6.7100			0.3050		8.200		0.70	40.1	.0035
08401200		6.1000			0.3050				1.40	77.0	.0045
09073400		11.9000			0.4570			1.35			.0109
09074800		7.0100			0.3960			30			.0333
09075700		9.4500			0.6100						.0260
09215000	2.5300	5.4900	27.4000	0.0762	0.2440	0.3050	3.400		0.0	15.8	

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
07196000					75	82	88	94						1	1	13	30	33	37	54	55	63	73	87
07199000																								
07207000																								
07222500																								
07227200																								
07229300	78	98	100							20	54	86	97	99	100		74	82	100					
07247500	77	98	100														78	94	100					
07249400	46	72	97	100													70	90	94	94	94	94	94	98
07249500	11	16	53	96	98	99	100										15	20	51	92	98	99	100	
07329500	79	91	94	94	94	100			2	4	30	75	83	87	91	96	75	96	100					
07335700	23	47	90	97	98	100											13	27	73	96	98	98	98	100
08128000	25	28	32	36	44	50	63	84	2	3	5	8	12	24	41	66								
08128400	56	70	92	97	99	100			1	1	3	6	10	15	30	55	39	44	47	49	51	60	73	84
08130500	6	6	11	33	42	47	58	70	2	2	2	3	4	6	17	36	70	74	81	90	90	100		
08131400	14	17	19	25	36	54	72	83									17	21	26	33	38	42	46	50
08133500	31	35	40	47	51	64	81	100	6	8	10	14	18	22	34	62	31	33	42	44	56	70	85	100
08134000									2	2	4	11	19	30	52	77	46	56	68	69	69	76	85	93
08184000	10	10	11	20	33	42	56	74	5	5	9	27	41	48	56	66	25	27	30	38	43	52	65	85
08185000																								
08198000																								
08200000	5	8	13	21	31	43	59	78			1	4	11	16	23	36	28	42	72	97	98	99	100	
08200500																								
08200700	14	16	21	38	47	55	62	72									17	23	30	37	37	49	61	80
08202700																								
08318000											11	36	71	91	96	96								
08343000	54	77	94	96	96	99	100		53	74	91	95	97	98	99	100	47	66	94	100				
08343100	34	74	95	100					15	33	61	77	83	88	95	99	37	73	98	99	99	100		
08343500																								
08353000	57	90	98	100					37	62	85	100					46	88	100					
08355300																								
08387000																								
08390500	52	59	64	66	67	71	78	83	1	1	1	6	16	24	41	68	50	69	81	84	84	86	89	97
08394500	67	80	86	89	90	91	94	98									47	58	69	78	80	86	94	98
08398500																								
08400000	62	68	70	73	74	84	97	100	62	71	82	90	91	95	98	100	65	85	91	94	95	96	98	100
08401200	41	80	94	97	97	99	100		22	41	56	72	80	84	87	89	56	83	89	92	92	97	99	100
09073400									0	1	1	4	38	61	82	98								
09074800									0	0	1	4	9	12	16	22								
09075700																								
09215000	67	82	86	90	90	97	100		18	22	38	78	86	94	99	100	2	2	10	51	84	95	100	

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
09216000	BIG SANDY RIVER BELOW EDEN, WY	42.010	109.582			361
09235600	POT CREEK ABOVE DIVERSIONS, NEAR VERNAL, UT	40.768	109.318			362
09235800	POT CREEK NEAR VERNAL, UT	40.674	109.051			363
09270500	DRY FORK AT MOUTH, NEAR DRY FORK, UT	40.530	109.610	8460.	06/09/78	364
09315500	SALERATUS WASH AT GREEN RIVER, UT	38.980	110.250	5050.	11/28/79	365
09316000	BROWNS WASH NEAR GREEN RIVER, UT	38.990	110.130	5220.	06/09/78	366
09334000	NORTH WASH NEAR HANKSVILLE, UT	37.900	110.450	5400.	11/28/79	367
09334500	WHITE CANYON NEAR HANKSVILLE, UT	37.800	110.380	6090.	03/28/78	368
09346400	SAN JUAN RIVER NEAR CARACCAS, CO	37.010	107.310	8500.	12/14/79	369
09349800	PEIDRA RIVER NEAR ARBOLES, CO	37.088	107.397	8300.	06/23/78	370
09352900	VALLECITO CREEK NEAR BAYFIELD, CO	37.478	107.543	1400.	06/23/78	371
09354500	LOS PINOS RIVER AT LA BOCA, CO	37.009	107.599			372
09355000	SPRING CREEK AT LA BOCA, CO	37.010	107.590	7300.	04/10/78	373
09364500	ANIMAS RIVER AT FARMINGTON, NM	36.720	108.200	9500.	04/10/78	374
09365500	LAPLATA RIVER AT HESPERUS, CO	37.290	108.040	0200.	06/23/78	375
09366500	LA PLATA RIVER AT CO-NM STATE LINE	36.998	108.188	7600.	06/23/78	376
09367500	LA PLATA RIVER NEAR FARMINGTON, NM	36.740	108.248			377
09415600	PAHRAGUT VALLEY TRIBUTARY NEAR HIKO, NV	37.490	115.340	5750.	11/03/77	378
09416000	MUDDY RIVER NEAR MOAPA, NV	36.710	114.690	2230.	04/10/78	379
09418500	MEADOW VALLEY WASH NEAR CALIENTE, NV	37.560	114.560	6180.	03/06/78	380
09419610	LEE CANYON NEAR CHARLESTON PEAK, NV	36.340	115.650	9350.	03/06/78	381
09419650	LAS VEGAS WASH AT NORTH LAS VEGAS, NV	36.210	115.110	5160.	03/06/78	382
09444000	SAN FRANCISCO RIVER NEAR GLENWOOD, NM	33.250	108.880	7780.	04/10/78	383
09470500	SAN PEDRO RIVER AT PALOMINAS, AZ	31.380	110.111	4950.	10/07/78	384
09471000	SAN PEDRO RIVER AT CHARLESTON, AZ	31.626	110.174	4840.	10/07/78	385
09471120	AGRI RSCH SRV WTRSHD 63.011 NR TOMBSTONE, AZ	31.742	109.923		10/07/78	386
09471130	AGRI RSCH SRV WTRSHD 63.008 NR TOMBSTONE, AZ	31.723	110.044		10/07/78	387
09471200	AGRI RSCH SRV WATERSHED W-1 NR TOMBSTONE, AZ	31.730	110.160	4700.	10/07/78	388
09472000	SAN PEDRO RIVER NEAR REDINGTON, AZ	32.381	110.446	4660.	10/07/78	389
09473000	ARAVAIPA CREEK NEAR MAMMOTH, AZ	32.844	110.619	4530.	10/07/78	390
09474000	GILA RIVER AT KELVIN, AZ	33.103	110.976	5150.	08/19/77	391
09480000	SANTA CRUZ RIVER NEAR LOCHIEL, AZ	31.355	110.589	5150.	10/07/78	392
09480500	SANTA CRUZ RIVER NEAR NOGALES, AZ	31.344	110.851	4850.	10/07/78	393
09482000	SANTA CRUZ RIVER AT CONTINENTAL, AZ	31.853	110.978	4350.	09/04/79	394
09482400	AIRPORT WASH AT TUCSON, AZ	32.139	110.961	2700.	08/19/77	395
09482500	SANTA CRUZ RIVER AT TUCSON, AZ	32.221	110.981	4050.	10/07/78	396
09483000	TUCSON ARROYO AT VINE AVE., TUCSON, AZ	32.217	110.948	2510.	08/19/77	397
09483100	TANQUE VERDE CREEK NEAR TUCSON, AZ	32.247	110.679	4780.	10/07/78	398
09484560	CIENEGA CREEK NEAR PANTANO, AZ	31.986	110.566	4890.	08/22/77	399
09486300	CANADA DEL ORO NEAR TUCSON, AZ	32.374	111.009	4000.	10/07/78	400

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIPITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
09216000	1.3200							10.0	1.50	0	1610
09235600	0.1050	1.8700	3.8500	5.4700	7.7600	9.6300	11.6000	20.0	1.00	50	25
09235800	0.0575	1.3900	3.3100	5.0400	7.7000	10.0000	12.5000	20.0	1.00	65	106
09270500	0.7620	13.1000	26.8000	38.2000	55.2000	69.7000	85.5000	20.0	1.50	5	116
09315500	0.0848	70.2000	135.0000	187.0000	263.0000	326.0000		7.5	.97	34	180
09316000	0.0269	48.1000	101.0000	145.0000	212.0000	270.0000	334.0000	7.5	1.00	95	75
09334000	0.0340	33.4000	86.9000	142.0000	236.0000	436.0000	569.0000	10.0	1.15	54	136
09334500	0.1440	62.6000	121.0000	169.0000	240.0000	300.0000	368.0000	13.0	1.41	83	276
09346400	17.2000	108.0000	168.0000	212.0000	269.0000	314.0000	360.0000	30.0	1.80	0	25.3
09349800	9.5400	64.9000	112.0000	146.0000	191.0000	225.0000	261.0000	27.0	1.70	0	629
09352900	3.8800	37.4000	59.8000	75.3000	95.4000	110.0000	125.0000	46.0	2.60	0	72.1
09354500	5.6900	37.9000	66.0000	87.5000	118.0000	143.0000	170.0000	12.0	1.40	0	510
09355000	0.8350	9.4900	18.1000	25.0000	35.1000	43.9000	53.2000	12.0	1.39	0	58
09364500	26.2000	173.0000	260.0000	323.0000	402.0000	464.0000	530.0000	29.0	1.50	0	1360
09365500	1.2500	12.8000	21.9000	28.3000	37.1000	43.9000	51.0000	35.0	2.20	0	37
09366500	0.9370	21.7000	44.2000	63.4000	91.8000	116.0000	143.0000	35.0	1.60	4	331
09367500	0.7080	35.4000	62.9000	84.7000	116.0000	142.0000	170.0000	29.0	1.50	22	583
09415600	0.4540							10.0	1.30	100	17
09416000	1.2800	5.9200	15.5000	25.9000	45.3000	65.1000	90.3000	6.3	1.30	0	3820
09418500	0.2940	13.4000	30.0000	45.6000	71.6000	95.7000	124.0000	7.5	1.30	0	1670
09419610	0.0010	0.6800	4.7900	13.1000	38.5000	77.6000	145.0000	19.5	1.70	99	9.2
09419650	0.0198	5.1000	32.6000	86.1000	242.0000	473.0000	861.0000	6.0	1.40	93	1300
09444000	2.0100	71.9000	145.0000	207.0000	303.0000	385.0000	476.0000	17.6	1.80	0	1653
09470500	0.8550	180.0000	289.0000	365.0000	467.0000	547.0000	629.0000	17.9	1.90	9	741
09471000	1.6800	196.0000	354.0000	504.0000	756.0000	1000.0000	1309.0000	16.5	1.90	0	1219
09471120	0.0040	18.5000	41.3000	61.7000	92.6000	120.0000	149.0000	20.0	1.80	98	3.18
09471130	0.0039	20.6000	41.9000	59.5000	85.2000	106.0000	130.0000	20.0	1.80	98	5.98
09471200	0.0203	49.3000	117.0000	180.0000	280.0000	368.0000	470.0000	20.0	1.80	98	57.7
09472000	1.3100	247.0000	476.0000	663.0000	937.0000	1172.0000	1437.0000	15.5	1.90	28	2939
09473000	0.7530	129.0000	250.0000	348.0000	487.0000	603.0000	728.0000	16.2	2.00	0	541
09474000	12.8000	606.0000	1291.0000	1896.0000	2796.0000	3578.0000	4427.0000	20.0	2.50	0	18011
09480000	0.0855	48.1000	99.4000	143.0000	208.0000	263.0000	323.0000	18.2	1.90	21	82.2
09480500	0.6510	122.0000	225.0000	309.0000	430.0000	532.0000	649.0000	18.7	2.00	14	533
09482000	0.0498	126.0000	244.0000	340.0000	481.0000	598.0000	722.0000	18.1	2.10	90	1662
09482400	0.0122	9.0600	16.2000	21.6000	29.2000	35.1000	41.6000	10.8	1.80	94	23
09482500	0.5980	146.0000	250.0000	329.0000	442.0000	532.0000	626.0000	16.9	2.10	85	2222
09483000	0.0246	28.3000	65.1000	93.5000	125.0000	156.0000	195.0000	11.0	1.80	90	8.2
09483100	0.2510	29.5000	57.2000	79.6000	112.0000	139.0000	169.0000	17.0	2.00	48	43.0
09484560	0.0666	26.1000	76.2000	130.0000	227.0000	320.0000	436.0000	16.6	1.90	94	289
09486300	0.0478	61.7000	154.0000	244.0000	391.0000	527.0000	685.0000	16.4	2.00	98	250

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL					
09216000	10.7000	15.5000	29.6000	0.3200	0.6800	1.1300					
09235600	1.1300	1.7700		0.0732	0.4360			.16			.0054
09235800	1.1900	1.8300	14.3000	0.0610	0.2350	0.5120					.0054
09270500		18.3000								173.0	
09315500	4.0500	9.1400	17.7000	0.0549	0.5880	0.8320	1.000	.57	39.00	26.0	.0035
09316000	7.0100	14.0000	16.5000	0.1890	0.4080	0.0774		.19			.0070
09334000	4.2700	19.2000	24.1000	0.0701	0.4570	0.6710	2.000	3.6	13.00	131.0	.012
09334500	13.7000			0.1830			1.000		50.00	49.0	
09346400		40.5000			1.2500			25	72.00	30.0	.0034
09349800		24.1000	24.1000		0.6580			25	90.00	68.0	.0043
09352900		19.5000	19.5000		0.6000			100	47.00	116.0	.026
09354500		19.8000	19.8000		0.5000			20			.0068
09355000		11.3000	11.3000		0.5940		8.500	.25	39.00	97.3	.0072
09364500		48.8000			1.1700		8.000		77.00	41.2	.0043
09365500		7.3200	9.1400		0.2500			20	78.00	134.0	.016
09366500		7.9200	7.9200		0.4300				77.00	70.0	.0053
09367500		8.5300	8.5300		0.4450			.43			.0054
09415600		4.8800	10.7000		0.2770	0.4540		2.3	93.00	322.1	.012
09416000		7.3200	13.7000		1.0700	2.2900		.093	21.00	43.9	.004
09418500		6.4000	11.0000		0.4390	0.7280		70	53.00	30.7	.0090
09419610		7.9200	12.2000		0.3510	0.5820		18	00.00	405.4	.067
09419650		23.2000			0.1250			.15	17.00	103.0	.005
09444000		19.5000			0.5490		3.000		85.00	54.6	.0062
09470500	14.0000	19.5000	35.1000		0.5030	1.2500	2.270	.45	12.00	23.5	.0014
09471000	9.4500	27.7000	36.3000	0.0914	0.4630		2.010	.51	12.00	18.4	.0024
09471120		9.7500	11.6000		0.3690	0.7770		1.9			.0086
09471130		9.7500	11.6000		0.2590	0.9330		1.2			.015
09471200		28.0000			0.3050		2.000		0.70	55.0	.015
09472000	13.0000	21.9000	54.9000	0.3470	0.7710	1.9800	1.790	1.4	13.00	15.3	.0038
09473000		28.3000	42.7000		0.4110	2.2600	1.960	14	24.00	45.7	.0059
09474000	6.2500	27.7000	39.6000	0.4570	0.7620	2.5900	2.250	.84	13.00	17.8	.0023
09480000	5.3300	15.5000	32.0000	0.1830	0.3320	0.7320	2.290	1.45	31.00	42.2	
09480500		107.0000	107.0000				2.060	1.1	28.00	26.0	.0039
09482000		30.2000	39.6000		0.6640	2.1900	2.040		22.00	21.0	.0081
09482400		7.9200			0.2530		1.000		1.10	37.0	.0062
09482500		14.0000	22.6000		0.4850	2.3800	1.950	.50	17.00	20.1	.0031
09483000		6.4000	10.1000		0.3260	1.3400	1.000	1.2	0.0	37.0	.0075
09483100		6.4000			0.3870		1.000	1.8	21.00	156.0	.030
09484560	11.9000	28.3000	42.7000	0.2930	0.3720	1.2800	2.500	2.0	13.00	59.8	
09486300		21.3000	25.9000		0.2290	1.1600	2.000	.88	21.00	108.0	.0072

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS																							
	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
09216000	62	78	81	86	86	93	98	100	2	4	11	24	38	50	73	93	45	60	79	94	96	99	100	
09235600	59	73	93	100					34	43	65	84	100				54	71	96	100				
09235800	70	84	90	92	92	96	99	100									72	82	95	100				
09270500																								
09315500	30	40	47	51	52	56	64	81	2	2	7	46	61	69	80	91	55	90	100					
09316000	35	76	100						21	39	58	74	82	88	94	98	53	92	100					
09334000	22	85	96	100					4	8	18	30	38	44	51	56	29	84	99	100				
09334500																								
09346400																	46	72	92	97	97	99	100	
09349800																								
09352900																								
09354500	47	64	83	87	89	94	98	100									50	74	82	85	85	92	98	100
09355000	51	80	95						6	13	49						56	88	99					
09364500																								
09365500																								
09366500																								
09367500	19	42	77	95	97	99	100		3	3	10	62	75	76	76	76	43	66	74	79	86	92	96	
09415600	1	1	2	8	29	41	67	90	10	14	19	30	37	47	64	86	12	19	28	40	50	62	81	100
09416000									16	75	99	99	100				54	86	100					
09418500	61	62	64	65	65	72	87	100	1	1	6	35	61	78	90	98	47	65	78	89	100			
09419610	6	11	13	15	15	16	18	54	0	1	1	1	1	2	6	18	33	46	50	54	55	56	59	62
09419650	72	89	95	98	98	199			12	38	78	92	96	97	98	100	71	82	89	89	89	95	100	
09444000																								
09470500	74	90	97	100					2	4	17	54	75	85	91	96	32	52	82	88	88	92	97	100
09471000	74	90	98	100					2	3	17	48	67	81	90	94	36	66	82	96	100			
09471120	18	26	37	44	48	55	64	75	12	16	22	28	43	62	83	95	19	25	35	46	59	70	86	100
09471130	31	50	74	85	89	93	96	98	2	2	6	28	38	51	65	75	28	53	69	77	80	82	86	91
09471200	29	58	82	87	88	89	91	96	3	4	11	30	46	61	79	89	24	41	66	84	89	91	93	98
09472000	34	50	60	62	66	75	90	97	1	2	8	28	43	57	73	85	33	55	72	79	87	92	96	100
09473000	8	8	10	12	17	24	34	51	0	0	1	3	6	9	16	28	40	64	72	74	78	81	86	92
09474000	52	71	90	100					0	0	0	1	10	20	33	48	33	49	63	81	83	86	91	96
09480000	43	60	75	80	83	83	89	96	2	3	12	34	46	54	67	89	36	69	96	100				
09480500	20	33	65	83	85	90	93	94	1	1	10	27	48	58	66	73	80	97	99	100				
09482000	78	97	100														63	92	99	100				
09482400	41	66	82	86	90	92	94	100									26	31	35	39	40	50	71	100
09482500	67	90	98						4	4	13	49	76	87	94	99	55	84	97	98	98	100		
09483000	41	73	90	97	100				2	2	2	9	41	65	84	91	64	89	98	100				
09483100	29	42	55	70	78	88	96	100	1	1	2	4	23	55	89	98	12	21	35	50	63	73	79	81
09484560	57	91	100						11	18	34	44	48	50	54	57	43	74	90	94	96	98	100	
09486300	12	16	28	41	52	81	87	96	7	8	13	27	59	81	92	95	19	20	24	42	76	95	99	100

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
09486500	SANTA CRUZ RIVER AT CORTARO, AZ	32.351	111.094	4000.	10/07/78	401
09486800	ALTAR WASH NEAR THREE POINTS, AZ	31.836	111.403	3920.	10/07/78	402
09505250	PED TANK DRAW NEAR RIMROCK, AZ	34.695	111.714	5910.	09/04/79	403
09505350	DRY BEAVER CREEK NEAR RIMROCK, AZ	34.729	111.775	6220.	09/04/79	404
09510100	EAST FORK SYCAMORE CREEK NEAR SUNFLOWER, AZ	33.949	111.461	5760.	09/04/79	405
09510200	SYCAMORE CREEK NEAR FORT MCDONALD, AZ	33.694	111.541	3820.	09/04/79	406
09512200	SALT RIVER TRIBUTARY IN SOUTH MOUNTAIN PARK AT PHOENIX, AZ	33.347	112.084	1730.	08/22/77	407
09512300	CAVE CREEK NEAR CAVE CREEK, AZ	33.783	112.007	3470.	09/04/79	408
09512400	CAVE CREEK AT PHOENIX, AZ	33.582	112.112			409
09513780	NEW RIVER NEAR ROCK SPRINGS, AZ	33.974	112.098	3970.	09/04/79	410
09513800	NEW RIVER AT NEW RIVER, AZ	33.908	112.144	3600.	09/04/79	411
09513835	NEW RIVER NEAR PEORIA, AZ	33.638	112.239	2700.	09/04/79	412
09513860	SKUNK CREEK NEAR PHOENIZ, AZ	33.729	112.120	2180.	09/04/79	413
09513910	NEW RIVER AT GLENDALE, AZ	33.537	112.281	2130.	09/04/79	414
09513970	AGUA FRIA RIVER AT AVONDALE, AZ	33.435	112.333	3010.	08/22/77	415
10245800	NEWARK VALLEY TRIBUTARY NEAR HAMILTON, NV	39.420	115.630	6920.	03/18/78	416
10247860	PENOYER VALLEY TRIBUTARY NEAR TEMPIUTE, NV	37.590	115.680	5680.	11/03/77	417
10248510	ELDORADO VALLEY TRIUBTARY NEAR NELSON, NV	35.810	114.880	2900.	11/03/77	418
10249300	SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NV	38.880	117.240	9130.	03/06/78	419
10249411	CAMPBELL CREEK TRIBUTARY NEAR EASTGATE, NV	39.260	117.690	7450.	03/18/78	420
10250600	WILDROSE CREEK NEAR WILDROSE STATION, CA	36.260	117.180	6400.	11/25/77	421
10251300	AMARGOSA RIVER AT TECOPA, CA	35.848	116.229			422
10251980	LOVELL WASH NEAR BLUE DIAMOND, NV	36.000	115.640	6390.	03/06/78	423
10252300	CHINA SPRING CREEK NEAR MOUNTAIN PASS, CA	35.470	115.510		11/25/77	424
10282480	MAZOURKA CREEK NEAR INDEPENDENCE, CA	36.850	118.080		11/25/77	425
10393500	SILVIES RIVER NEAR BURNS, OR	43.720	119.180	5200.	06/10/77	426
10396000	DONNER UND BLITZEN RIVER NEAR FRENCHGLEN, OR	42.790	118.870	6160.	06/10/77	427
10403000	SILVER CREEK NEAR RILEY, OR	43.690	119.660	5180.	06/10/77	428
11139000	LABREA CREEK NEAR SISQUOC, CA	34.850	120.200	1700.	08/16/77	429
11140000	SISQUOC RIVER NEAR GAREY, CA	34.890	120.310	2700.	08/19/77	430
11142500	ARROYO DE LA CRUZ NEAR SAN SIMEON, CA	35.720	121.280	600.	08/16/77	431
11147800	CHOLAME CREEK NEAR SHANDON, CA	35.689	120.334			432
11148500	ESTRELLA RIVER NEAR ESTRELLA, CA	35.720	120.640	1500.	08/16/77	433
11176000	ARROYO MOCHO NEAR LIVERMORE, CA	37.630	121.700	2000.	10/27/78	434
11180500	DRY CREEK AT UNION CITY, CA	37.610	122.020	700.	08/16/77	435
11255500	PANOCHE CREEK BELOW SILVER CREEK, NEAR PANOCHE, CA	36.620	120.670	1500.	08/19/77	436
11337500	MARSH CREEK NEAR BYRON, CA	37.870	121.730	800.	08/16/77	437
11378800	RED BANK CREEK NEAR RED BLUFF, CA	40.090	122.412		11/25/77	438
11390672	STONE CORRAL CREEK NEAR SITES, CA	39.290	122.300	640.	08/19/77	439
11448500	ADOBE CREEK NEAR KELSEYVILLE, CA	38.930	122.880	2000.	08/16/77	440

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIPITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
09486500	1.0300	236.0000	374.0000	470.0000	595.0000	685.0000	779.0000	16.3	2.00	66	3503
09486800	0.2110	161.0000	286.0000	382.0000	513.0000	617.0000	725.0000	15.6	2.20	93	463
09505250	0.1850	14.4000	66.3000	145.0000	331.0000	558.0000	889.0000	21.6	2.40	59	49.4
09505350	0.9740	81.6000	242.0000	422.0000	756.0000	1105.0000	1536.0000	23.1	2.50	71	142
09510100	0.0160	0.8500	4.4700	10.3000	24.1000	41.3000	66.3000	24.5	3.00	39	4.49
09510200	0.5040	47.0000	160.0000	295.0000	555.0000	824.0000	1172.0000	21.2	2.70	15	164
09512200	0.1340	0.9910	5.1300	11.8000	28.6000	49.8000	82.1000	9.0	1.60	99	1.75
09512300	0.1080	56.9000	139.0000	219.0000	354.0000	479.0000	629.0000	15.7	2.30	96	121
09512400	0.0770	11.8000	34.0000	57.8000	100.0000	142.0000	195.0000	9.0	1.60	94	252
09513780	0.1950	44.7000	163.0000	314.0000	632.0000	983.0000	1468.0000	20.0	2.40	70	67.3
09513800	0.1900	59.5000	204.0000	385.0000	748.0000	1141.0000	1675.0000	19.5	2.30	74	83.3
09513835	0.1420	41.6000	145.0000	273.0000	532.0000	816.0000	1192.0000	15.6	1.90	98	187
09513860	0.0314	34.0000	135.0000	272.0000	569.0000	909.0000	1384.0000	12.2	1.90	98	64.6
09513910	0.3200	67.7000	237.0000	450.0000	881.0000	1358.0000	1971.0000	13.8	1.80	96	323
09513970	0.1080	7.0500	68.0000	214.0000	705.0000	1500.0000	2926.0000	16.3	1.70	100	2013
10245800	0.0034	0.6510	2.6900	5.7200	12.7000	21.2000	33.7000	10.3	1.20	97	157
10247860	0.2870	0.0142	0.2320	1.0500	5.2400	14.8000	37.9000	8.0	1.10	99	1.48
10248510	0.5180	0.0793	1.7600	9.0600	51.5000	159.0000	439.0000	6.0	1.30	99	1.41
10249300	0.1670	1.0800	2.2400	3.2900	4.9600	6.4600	8.1800	15.4	1.60	0	20
10249411	0.0015	0.0991	0.5660	1.4400	3.8200	7.1600	12.7000	16.0	1.50	78	2.14
10250600	0.6800	0.2320	4.7000	20.0000	85.0000	206.0000		8.0	1.10	100	23.7
10251300	0.0778	6.6300	27.5000	58.1000	129.0000	215.0000	340.0000	4.0	1.10	21	
10251980	0.0077	1.1300	11.6000	39.4000	145.0000	337.0000	719.0000	9.0	1.70	96	52.8
10252300	0.4570	0.0850	0.6230	1.3300	2.8300			7.0	1.10	100	.94
10282480	0.0024							6.0	1.40	100	15.6
10393500	4.6400	36.2000	60.3000	78.2000	103.0000	122.0000	142.0000	19.0	1.00	0	934
10396000	3.3700	36.0000	57.5000	72.8000	92.6000	108.0000	123.0000	14.0	1.00	0	200
10403000	1.1600	15.6000	29.2000	40.5000	57.2000	71.6000	87.5000	20.0	1.00	0	228
11139000	0.1150	4.7900	26.9000	66.6000				23.0	3.20	79	93.8
11140000	1.0900	36.5000	145.0000	297.0000	629.0000	1029.0000	1540.0000	20.0	3.50	80	471
11142500	1.4800	215.0000	413.0000	561.0000	753.0000	898.0000	1049.0000	31.0	3.50	48	41.2
11147800	0.1910	3.2000	33.7000	106.0000	340.0000	697.0000	1315.0000	10.0	1.50	92	227
11148500	0.6260	11.0000	79.6000	199.0000	481.0000	816.0000	1271.0000	13.0	1.90	63	922
11176000	0.1190	4.7300	16.3000	28.6000	49.8000	69.4000	91.2000	16.0	3.50	40	38.2
11180500	0.4340	3.8500	16.1000	31.2000	59.2000	86.4000	119.0000	22.0	2.90	70	9.39
11255500	0.0524	9.2100	47.3000	106.0000	233.0000	371.0000	549.0000	14.0	2.00	58	293
11337500	0.2420	13.0000	46.7000	84.1000	149.0000	209.0000	278.0000	16.0	2.30	65	42.6
11378800	1.3300	118.0000	201.0000	262.0000	346.0000	411.0000	481.0000	26.0	3.00	50	93.5
11390672	0.1710	33.4000	69.4000	100.0000	146.0000	185.0000	229.0000	20.0	2.50	62	38.2
11448500	0.3460	27.1000	37.7000	44.2000	52.4000	58.3000	64.3000	41.0	4.50	37	6.36

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL WIDTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL WIDTH, IN METERS: BANKFULL LEVEL	CHANNEL DEPTH, IN METERS: DEPOSITIONAL-BAR LEVEL	CHANNEL DEPTH, IN METERS: ACTIVE-CHANNEL LEVEL	CHANNEL DEPTH, IN METERS: BANKFULL LEVEL	SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
09486500		30.8000	36.6000		0.2040	1.5200	1.780	.54	18.00	20.3	.0026
09486800		56.4000	61.0000		0.3660	2.1900	2.000	.82	6.50	74.1	.0044
09505250	4.5700	10.7000	26.2000	0.1890	0.4210	1.3100	3.000	200	23.00	182.8	.021
09505350	14.6000	29.0000	39.6000	0.2440	0.6000	2.9000	2.800	15	56.00	137.3	.011
09510100	2.8000	6.6800	11.6000	0.1310	0.3960	0.6400	3.000	10	0.40	370.0	.037
09510200	8.8400	17.7000		0.2590	0.2590		2.340	3.3	0.60	115.6	.0097
09512200	2.6800	8.8400	20.7000	0.1190	0.1340		1.000	2.8	0.0	243.8	
09512300		21.3000	36.6000		0.4270	1.9500	1.170	3.1	0.10	123.0	.0083
09512400		9.6900	18.6000		0.8380	2.5300		.71			.0049
09513780		16.8000	53.3000		0.7320	1.9200	1.000	1.65	0.20	140.0	.0085
09513800	7.6200	44.2000	50.3000	0.2930	0.9140	2.1300	1.000	.76	0.20	105.2	.0052
09513835	19.5000	49.4000	54.9000	0.1220	0.6100	2.9000	1.000	.70	0.10	64.5	.0046
09513860	7.1600	17.1000	53.3000	0.0914	0.5030	1.1300	1.000	.26	0.0	49.2	.0057
09513910	20.7000	140.0000	145.0000	0.4570	0.7620	2.2900	1.500	.35	0.0	66.9	.0032
09513970		131.0000	140.0000		0.7620	1.3700	1.000	.39	0.0	38.7	.0012
10245800	1.0400	2.3500	4.1100	0.0762	0.1310	0.7320		.04	19.00	21.0	
10247860		3.8100			0.2870			2.1	0.0	232.0	.020
10248510		5.1200	14.0000		0.0975	0.5180		6.1	0.0	264.0	.037
10249300		3.5700	7.0100		0.3510	0.7560		30	00.00	349.0	.035
10249411	0.5490	0.8530	3.2900	0.0457	0.0853	0.2680		15	00.00	254.0	.013
10250600	2.9000	8.0800	10.4000	0.1100	0.3720	0.6800		7.6	30.00	496.0	.063
10251300		2.4100	3.3500		0.6100	0.7320		.063			.009
10251980	1.2800	4.6000	7.9900	0.0701	0.2290	0.3600		14	57.00	212.0	
10252300		2.6200	4.1100		0.1650	0.4570		2.1	0.0	383.0	
10262480		27.4000			0.3050			20	45.00	439.0	.080
10393500		15.8000	17.4000		1.5200	2.4400	5.800		68.59	12.3	.00069
10396000		17.1000	21.9000		1.2200	2.4400	3.500		10.66	97.8	.0026
10403000		7.9200	15.2000		0.4080	1.5200	7.100		71.42	41.6	
11139000		12.8000			0.3050			.58	94.00	129.0	.008
11140000		80.8000	85.3000		0.4570	2.1300		.41	50.00	80.0	.0031
11142500	10.8000	23.8000	25.9000	0.2620	0.8470	1.4600		10	71.00	59.8	.0034
11147800	9.1400	16.8000	18.3000	0.1010	0.3350	2.1300		.42			.0023
11148500	27.7000	56.4000	62.5000	0.2130	0.5490	3.6600		.30	31.00	17.8	.0027
11176000		2.1600	6.8600		0.2930	0.7160		5	72.00	113.1	.0064
11180500	3.9300	7.6800		0.1310	0.9420			2.7	40.00	233.0	.0042
11255500	4.7200	12.3000	18.0000	0.2410	0.2290	0.5000		.56	31.00	45.5	.0064
11337500	5.3000	8.6300	16.5000	0.1890	0.4180	1.0700		14.4	82.00	63.7	.0051
11378800	7.3200	30.2000	35.1000	0.1520	0.6640	1.5800		12		80.3	
11390672	2.0400	4.8800	7.9200	0.1710	0.5730	0.8750		.36	50.00	62.2	.0031
11448500	2.9000	6.8600	12.8000	0.1220	0.3020	0.7040		15.4	95.00	374.0	.0044

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL

IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS

GAGING STATION NUMBER	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
09486500	61	80	91	96	100				3	5	18	48	60	69	74	79	22	76	99					
09486800	76	96	98	99	99	100			5	9	20	39	52	61	69	78	71	82	93	99	100			
09505250	23	45	70	97	99	99	100		2	2	4	6	9	16	36	52	50	68	78	88	88	91	98	100
09505350									0	0	0	1	10	35	63	81	4	9	19	42	94	98	99	100
09510100	18	25	30	36	36	44	57	70	1	2	5	8	12	21	31	43	10	16	22	26	28	35	39	54
09510200	23	54	80	88	90	95	98	100	0	0	2	6	22	35	57	84	64	78	87	94	98	98	99	100
09512200	35	51	63	72	76	82	92	98	2	2	4	7	19	38	63	77	52	72	80	85	91	94	99	100
09512300	47	65	82	92	94	98	100		1	1	2	12	22	38	59	79	11	31	79	97	99	100		
09512400	43	51	55	60	65	72	80	86	1	1	5	32	62	75	85	94	39	43	44	51	56	66	83	97
09513780	4	11	47	59	90	98	100		0	0	1	5	16	73	76	77								
09513800									2	4	8	36	59	88	97	100	8	27	83	98	100			
09513835	36	62	85	98	94	100			1	3	6	25	74	90	94	95	60	70	80	88	89	93	96	96
09513860	4	6	8	18	37	51	56	61	7	7	7	12	29	44	59	76	25	36	43	48	52	64	78	88
09513910	27	40	47	57	75	96	100		9	17	35	67	93	99	100		7	9	11	19	78	92	98	100
09513970	31	60	84	93	94	100			2	4	21	63	84	89	93	98	4	28	72	87	89	94	98	100
10245800	87	100							63	79	90	96	100				87	90	100					
10247860	27	48	77	91	93	95	97	100	5	8	19	22	39	49	64	78	21	43	65	81	88	92	97	100
10248510	5	6	10	16	25	37	58	71	1	1	2	8	15	21	35	64	4	5	6	8	14	21	39	61
10249300	37	50	66	83	87	93	99	100									46	61	77	94	100			
10249411	75	95	99	99	99	100			0	1	1	2	3	5	10	24	34	43	49	58	65	74	87	98
10250600	61	62	64	65	65	72	87	100	0	1	1	3	6	11	21	54	5	8	12	22	32	42	62	84
10251300	84	100							47	73	75	75	75	79	86	100	90	100						
10251980																								
10252300	13	20	27	35	40	58	69	79	2	6	12	22	36	49	64	78	0	22	31	39	44	48	59	73
10282480																								
10393500																								
10396000																								
10403000																								
11139000									6	8	17	46	61	67	73	80								
11140000	13	34	80	94	97	99	99	99	2	2	19	60	73	75	76	79	3	5	22	38	40	42	44	48
11142500	33	75	96	100					1	1	4	8	11	14	21	34	25	56	83	94	94	97	99	100
11147800	71	83	92	99	100				2	2	11	62	84	95	98	99	34	45	81	100				
11148500	53	81	94	99	100				4	12	43	79	90	95	98	99	8	28	84	100				
11176000	4	6	8	15	30	39	49	58									18	25	48	64	74	81	88	94
11180500	47	58	72	90	100				2	2	6	22	35	46	56	71	44	61	80	97	100			
11255500	27	48	97	100					4	7	17	45	70	81	91	91	25	44	91	100				
11337500	56	87	100						0	1	1	4	6	9	15	25	37	51	83	100				
11378800	78	88	96	100					0	0	0	1	3	10	25	38	40	70	86	87	87	90	95	98
11390672	41	65	89	100					10	16	40	59					54	73	97	100				
11448500	16	22	29	36	41	48	54	62	0	1	1	2	4	6	10	19	59	78	95	100				

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	GAGING STATION NAME	LATITUDE IN DEGREES	LONGITUDE IN DEGREES	AVERAGE BASIN ELEVATION, IN FEET	DATE OF ENTRY OR UPDATE	SERIAL NUMBER
11449100	SCOTTS CREEK NEAR LAKEPORT, CA	39.100	122.960	1600.	10/03/77	441
13112000	CAMAS CREEK AT CAMAS, ID	44.000	112.220	.000E	03/20/78	442
13114000	BEAVER CREEK AT CAMAS, ID	44.010	112.220	.000E	03/20/78	443
13207000	SPRING VALLEY CREEK NEAR EAGLE, ID	43.740	116.300	3990.	01/07/80	444
14178600	SHORT CREEK AT BREITENBUSH HOT SPRINGS, OR	44.786	121.982			445
14178800	WIND CREEK NEAR DETROIT, OR	44.760	122.120	3010.	03/11/78	446
14179000	BREITENBUSH RIVER ABOVE CANYON CREEK, NR DETROIT, OR	44.750	122.130	3720.	03/11/78	447
14192000	MILL CREEK AT SALEM, OR					448
14193000	WILLAMINA CREEK NEAR WILLAMINA, OR	45.140	123.490	1060.	03/11/78	449
14301500	WILSON RIVER NEAR TILLAMOOK, OR	45.480	123.720	1640.	03/11/78	450
14303600	NESTUCCA RIVER NEAR BEAVER, OR	45.270	123.850	1300.	04/05/78	451
14303700	ALDER BROOK NEAR ROSE LODGE, OR	45.020	123.850	950.	03/11/78	452
14305500	SILETZ RIVER AT SILETZ, OR	44.720	123.890	1260.	03/11/78	453

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	STREAM DISCHARGE, IN CUBIC METERS PER SECOND: MEAN ANNUAL DISCHARGE	2-YEAR FLOOD DISCHARGE	5-YEAR FLOOD DISCHARGE	10-YEAR FLOOD DISCHARGE	25-YEAR FLOOD DISCHARGE	50-YEAR FLOOD DISCHARGE	100-YEAR FLOOD DISCHARGE	ANNUAL PRECIP-ITATION, IN INCHES	2-YEAR 24-HOUR RAINFALL, IN INCHES	PERCENT NO FLOW DAYS	DRAINAGE AREA, IN SQUARE MILES
11449100	2.2800	124.0000	226.0000	303.0000	413.0000	504.0000	598.0000	30.0	3.00	46	55.2
13112000	0.9540	10.8000	19.5000	25.8000	33.4000	39.4000	45.0000	10.0	1.20	29	400
13114000	0.1700	3.1200	4.8100	5.9500	7.0800	7.9300	8.7800	10.0	1.20	85	510
13207000	0.0723	1.4700	3.6800	5.7800	9.2300	12.4000	16.1000	14.0	1.30	48	20.9
14178600		2.7200	4.0500	4.9800	6.2300	7.2200	8.2100			0	2.00
14178800		2.4400	3.6000	4.4500	5.5500	6.4000	7.2800	77.0	3.50	0	1.03
14179000	16.4000	177.0000	252.0000	303.0000	371.0000	422.0000	473.0000	77.0	3.70	0	106
14192000	3.9100							40.0	3.00	0	110
14193000	7.4500	109.0000	148.0000	176.0000	212.0000	240.0000	270.0000	87.5	4.90	0	64.7
14301500	34.4000	493.0000	640.0000	736.0000	852.0000	940.0000	1038.0000	102.5	5.50	0	161
14303600	31.9000	411.0000	569.0000	680.0000	818.0000	923.0000	1038.0000	110.0	5.80	0	180
14303700		2.4900	3.7400	4.6200	5.7800	6.6800	7.6200	96.0	4.80	0	1.09
14305500	44.7000	592.0000	753.0000	855.0000	971.0000	1066.0000	1148.0000	117.7	5.70	0	202

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	CHANNEL WIDTH, IN METERS			CHANNEL DEPTH, IN METERS			SOIL INDEX	MEDIAN PARTICLE SIZE, IN MILLIMETERS	FORESTED AREA PERCENT	BASIN SLOPE, IN FEET PER MILE	STREAM GRADIENT, IN METERS PER METER
	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL	DEPOSITIONAL-BAR LEVEL	ACTIVE-CHANNEL LEVEL	BANK-FULL LEVEL					
11449100	6.5500	13.0000	18.0000	0.1920	0.8410	2.5300		8.6	60.00	71.5	.0021
13112000	4.8800	9.4500	11.0000	0.1280	0.4790	0.9750					
13114000	3.9600	4.5700	7.0100	0.1430	0.3350	0.5760					
13207000	1.4900	2.8300	17.7000	0.0914	0.1830	0.3660	3.000		5.00	221.0	
14178600		5.1800			0.2710			30			
14178800		2.1300			0.1710		5.600	25	00.00	420.0	
14179000		37.5000			0.7920		5.500	50	91.50	180.0	.012
14192000		13.7000	16.2000		0.6130	1.5200					.0016
14193000		19.5000			0.8440		3.600		85.00	124.0	.0035
14301500		38.1000	50.3000		0.9450	4.5700	5.600	25	12.10	50.4	.0012
14303600		45.7000	56.4000		1.1000	4.2700	5.400		95.00	45.0	.0037
14303700		2.7400	7.9200		0.2320	0.9140	5.600	10	37.60	397.0	
14305500		39.6000	50.3000		1.3200		5.100	10	57.00	41.8	.0016

Table 1.--Geometry, basin-characteristic, discharge, and particle-size data collected at or near streamflow-gaging stations, western United States--Continued

GAGING STATION NUMBER	PARTICLE-SIZE ANALYSES OF SEDIMENT SAMPLES FROM ACTIVE CHANNEL IN PERCENT, BY WEIGHT, FINER THAN INDICATED DIAMETER, IN MILLIMETERS																							
	LEFT BANK OF CHANNEL								BED OF CHANNEL								RIGHT BANK OF CHANNEL							
	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00	.062	.125	.250	.500	1.00	2.00	4.00	8.00
11449100	32	50	88						0	0	1	4	13	18	27	48	19	41	81	91	92	97	100	
13112000	32	66	85	97	97	99	100																	
13114000	50	61	88	91	97	100			6	10	26	37	44	47	54	71								
13207000	24	36	47	56	68	81	96	100	2	3	7	19	32	48	78	98	53	68	75	82	87	96	100	
14178600																								
14178800																								
14179000																								
14192000																								
14193000																								
14301500																								
14303600																								
14303700																								
14305500																								