Table 2. Stream and spring low-flow discharge measurements made in September 1995, September 1998, and August 1999, estimated spring low-flow discharge measurements from published data, and composite stream and spring discharge data scaled to August 1999 discharge data

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; °C, degrees Celsius; --, no data; N, north; Hwy, highway; dnst, downstream; upst, upstream; FLWMR, Fort Leonard Wood Military Reservation; S, south]

Site number (fig. 22)	Stream, spring, or tributary name and measurement location[a]	Measured discharge			Date	Specific conductance (µS/cm)	Temperature (°C)	Remark or measurement rating	Composite discharge	
		Sept 1995 (ft^3/s)	Sept 1998 (ft^3/s)	Aug 1999 (ft^3/s)					Stream (ft^3/s)	Spring (ft^3/s)
	Gasconade River and associated springs and tributaries									
1	Gasconade River at Jerome	--	--	552	08/20/1999	333	26.4	fair-poor	552	--
	Gasconade River at Jerome	--	[b]642	--	09/11/1998	--	--	--	--	--
2	Little Piney Creek at mouth	--	--	86.1	08/20/1999	343	23.0	good-fair	86.1	--
	Boiling Spring (N)	--	--	--	--	--	--	--	--	[d]64.7
3	Big Piney River near mouth	--	--	246	08/19/1999	339	26.7	good-fair	246	--
4	Gasconade River near Hwy 28	--	--	150	08/20/1999	367	28.9	good-fair	150	--
	Mossy Spring	--	--	--	--	--	--	--	--	[d].8
5	Gasconade River at Riddle	--	--	156	08/18/1999	381	29.4	good-fair	[c]155	--
	Gasconade River at Riddle	--	--	154	08/19/1999	385	26.9	good-fair	--	--
	Cole Spring	--	--	--	--	--	--	--	--	[d]3.7
6	Gasconade River dnst Roubidoux Creek	--	--	144	08/18/1999	383	25.2	fair	144	--
7	Roubidoux Creek near mouth	--	--	25.9	--	--	--	--	25.9	--
	Bartlett Mill Spring	--	--	--	--	--	--	--	--	[d]15.6
	Creasy Spring	--	--	--	--	--	--	--	--	[d]21.9
	Falling Spring	--	--	--	--	--	--	--	--	[d]2.1
8	Gasconade River near Collie Hollow	--	--	39.3	08/18/1999	357	28.8	fair	39.3	--
9	Gasconade River at Riverside	--	--	43.3	08/17/1999	354	29.4	good-fair	[c]41.6	--
	Gasconade River at Riverside	--	--	39.9	08/18/1999	357	27.8	good-fair	--	--
10	Gasconade River Hwy T	--	--	39.3	08/17/1999	352	28.7	good-fair	39.3	--
	Gasconade River Hwy T	--	79.1	--	09/11/1998	365	23.0	fair	--	--
11	Gasconade River at Cave Restaurant	--	--	47.1	08/17/1999	355	26.6	fair	47.1	--
	Gasconade River at Cave Restaurant	--	79.5	--	09/11/1998	368	22.0	fair	--	--
12	Gasconade River at Hwy 7	--	--	69.1	08/16/1999	--	--	good-fair	[c]66.1	--
	Gasconade River at Hwy 7	--	--	63.0	08/17/1999	356	25.7	good-fair	--	--
	Gasconade River at Hwy 7	--	105	--	09/11/1998	370	21.8	fair	--	--
13	Gasconade River at Hwy 133	--	--	80.7	08/16/1999	--	--	good	80.7	--
	Gasconade River at Hwy 133	--	124	--	09/10/1998	--	--	fair	--	--
14	Jordan Creek	--	0	--	09/10/1998	--	--	--	0	--
	Cliff Spring	--	--	--	--	--	--	--	--	[d]1.3
15	Gasconade River near I-44	--	122	--	09/10/1998	--	--	fair	79.3	--

Table 2. Stream and spring low-flow discharge measurements made in September 1995, September 1998, and August 1999, estimated spring low-flow discharge measurements from published data, and composite stream and spring discharge data scaled to August 1999 discharge data—Continued

Site number (fig. 22)	Stream, spring, or tributary name and measurement location[a]	Measured discharge			Date	Specific conductance (µS/cm)	Temperature (°C)	Remark or measurement rating	Composite discharge	
		Sept 1995 (ft^3/s)	Sept 1998 (ft^3/s)	Aug 1999 (ft^3/s)					Stream (ft^3/s)	Spring (ft^3/s)
	Gasconade River and associated springs and tributaries—Continued									
16	Osage Fork near mouth	--	--	34.7	08/16/1999	--	--	good	34.7	--
17	Gasconade River upst Osage Fork	--	--	42.6	08/16/1999	--	--	good	42.6	--
	Gasconade River upst Osage Fork	--	61.7	--	09/10/1998	--	--	--	--	--
	Land Spring	--	--	--	--	--	--	--	--	[d]0.2
18	Gasconade River at Brownfield	--	62.5	--	09/10/1998	--	--	--	43.2	--
19	Gasconade River at Hwy 32	--	63.0	--	09/10/1998	--	--	--	43.5	--
	Mayfield Spring	--	--	--	--	--	--	--	--	[d]2.6
20	Elk Creek	--	4.2	--	09/09/1998	--	--	--	2.9	--
21	Gasconade River	--	39.4	--	09/09/1998	--	--	--	27.2	--
	Unnamed Spring	--	1.3	--	09/09/1998	--	--	--	--	.9
22	Beaver Creek	--	2.7	--	09/09/1998	--	--	--	1.9	--
23	Beaver Creek	--	3.4	--	09/08/1998	--	--	fair	2.3	--
24	Beaver Creek	--	1.5	--	09/08/1998	421	25.6	fair	1.0	--
25	North Fork Beaver Creek	--	0	--	09/09/1998	--	--	--	0	--
26	North Fork Sycamore Creek	--	1.0	--	09/09/1998	432	19.7	fair	.7	--
27	Gasconade River upst Beaver Creek	--	36.3	--	09/09/1998	--	--	fair	25.1	--
28	Dove Creek	--	.9	--	09/08/1998	438	26.8	good-fair	.6	--
29	Whetstone Creek	--	5.9	--	09/08/1998	411	25.6	fair	4.1	--
	Sparks Spring	--	--	--	--	--	--	--	--	[d].1
30	East Whetstone Creek	--	.9	--	09/08/1998	449	27.4	good-fair	.6	--
31	Whetstone Creek	--	.6	--	09/08/1998	453	24.5	fair	.4	--
32	Gasconade River at Hwy E	--	13.4	--	09/08/1998	--	--	good	9.3	--
33	Clark Creek	--	1.7	--	09/08/1998	--	--	fair	1.2	--
34	Gasconade River at Hwy 38	--	7.4	--	09/08/1998	--	--	fair	5.1	--
35	East Fork Gasconade River	--	.3	--	09/08/1998	--	--	poor	.2	--
36	Wolf Creek	--	0	--	09/09/1998	--	--	--	0	--
37	Gasconade River at Hwy 5	--	0	--	09/08/1998	--	--	--	0	--
38	West Fork Gasconade River	--	4.3	--	09/08/1998	--	--	fair	3.0	--
39	Little Creek	--	.5	--	09/09/1998	432	23.1	good-fair	.3	--
40	Bowman Creek	--	.9	--	09/09/1998	415	22.3	good-fair	.6	--

Table 2. Stream and spring low-flow discharge measurements made in September 1995, September 1998, and August 1999, estimated spring low-flow discharge measurements from published data, and composite stream and spring discharge data scaled to August 1999 discharge data—Continued

Site number (fig. 22)	Stream, spring, or tributary name and measurement location[a]	Measured discharge			Date	Specific conductance (µS/cm)	Temperature (°C)	Remark or measurement rating	Composite discharge	
		Sept 1995 (ft^3/s)	Sept 1998 (ft^3/s)	Aug 1999 (ft^3/s)					Stream (ft^3/s)	Spring (ft^3/s)
	Little Piney Creek and associated springs and tributaries									
2	Little Piney Creek at mouth	--	--	86.1	08/20/1999	343	23.0	good-fair	86.1	--
	Little Piney Creek at mouth	--	113	--	09/23/1998	--	--	good	--	--
	Rolufs Spring	--	--	--	--	--	--	--	--	[d]0.5
41	Mill Creek at mouth	--	15.6	--	09/23/1998	--	--	fair	11.9	--
	Elm Spring	--	--	--	--	--	--	--	--	[d].1
	Wilkins Spring	--	--	--	--	--	--	--	--	[d]5.8
42	Mill Creek at Yelton Spring	--	6.8	--	09/23/1998	--	--	good	5.2	--
43	Little Piney Creek tributary	--	0	--	09/23/1998	--	--	estimated	0	--
44	Little Piney Creek at Newburg	--	88.3	--	09/23/1998	--	--	good-fair	67.3	--
45	Little Piney Creek tributary	--	.1	--	09/23/1998	--	--	estimated	.08	--
46	Beaver Creek at mouth	--	11.8	--	09/23/1998	380	20.4	good-fair	9.0	--
47	Little Beaver Creek	--	2.0	--	09/23/1998	168	21.1	poor	1.5	--
	Gollahon Spring	--	--	--	--	--	--	--	--	[d].2
48	Little Beaver Creek	--	.1	--	09/23/1998	--	--	estimated	.08	--
	Martin Spring	--	--	--	--	--	--	--	--	[d].3
49	Wolf Creek	--	.2	--	09/22/1998	--	--	estimated	.15	--
50	Little Piney Creek at Hwy CC	--	79.7	--	09/23/1998	317	17.2	good-fair	60.7	--
51	Little Piney Creek tributary	--	0	--	09/22/1998	--	--	estimated	0	--
52	Little Piney Creek dnst Gourd Creek	--	70.7	--	09/22/1998	313	19.2	good-fair	53.9	--
53	Little Piney Creek	--	67.3	--	09/22/1998	313	16.1	fair	51.3	--
	Lane Spring	--	--	--	--	--	--	--	--	[d]11.5
	Yancy Mills Spring	--	--	--	--	--	--	--	--	[d]2.4
54	Little Piney Creek at Hwy 63	--	33.5	--	09/22/1998	309	16.8	fair	25.5	--
55	Little Piney Creek tributary	--	0	--	09/22/1998	--	--	--	0	--
	Piney Spring	--	--	--	--	--	--	--	--	[d]2.5
56	Bean Creek	--	0	--	09/22/1998	--	--	--	0	--
57	Little Piney Creek	--	0	--	09/22/1998	--	--	--	0	--
58	Little Piney Creek	--	0	--	09/22/1998	--	--	--	0	--
59	Little Piney Creek tributary	--	.1	--	09/22/1998	383	21.9	--	.08	--
60	Corn Creek at mouth	--	.6	--	09/22/1998	360	22.7	fair	.5	--

Table 2. Stream and spring low-flow discharge measurements made in September 1995, September 1998, and August 1999, estimated spring low-flow discharge measurements from published data, and composite stream and spring discharge data scaled to August 1999 discharge data—Continued

Site number (fig. 22)	Stream, spring, or tributary name and measurement location[a]	Measured discharge			Date	Specific conductance (µS/cm)	Temperature (°C)	Remark or measurement rating	Composite discharge	
		Sept 1995 (ft^3/s)	Sept 1998 (ft^3/s)	Aug 1999 (ft^3/s)					Stream (ft^3/s)	Spring (ft^3/s)
	Big Piney River and associated springs and tributaries									
3	Big Piney River near mouth	--	--	246	08/19/1999	339	26.7	good-fair	246	--
	Big Piney River near mouth	267	--	--	09/25/1995	342	15.9	fair	--	--
	Shanghai Spring	22.7	--	--	09/25/1995	469	15.2	fair-poor	--	20.9
61	Big Piney River upst Shanghai Spring	252	--	--	09/25/1995	335	14.8	fair-poor	232	--
	Ousley Spring	1.2	--	--	09/22/1995	470	13.7	poor	--	1.1
62	Spring Creek at mouth	31.8	--	--	09/22/1995	324	13.0	good	29.3	--
	Spring Creek at mouth	--	33.8	--	09/22/1998	--	--	good	--	--
63	Spring Creek	--	35.1	--	09/11/1998	--	--	fair	30.4	--
64	Spring Creek	--	.1	--	09/22/1998	--	--	flow begin	.09	--
65	Sherrill Creek	--	0	--	09/22/1998	--	--	--	0	--
66	Spring Creek	--	0	--	09/22/1998	--	--	--	0	--
	Relfe (Coppedge) Spring	--	--	--	--	--	--	--	--	[d]19.4
67	Big Piney River upst Spring Creek	229	--	--	09/21/1995	332	14.1	good	211	--
	Big Piney River upst Spring Creek	--	208	--	09/11/1998	--	--	fair	--	--
	Big Piney River upst Spring Creek	--	235	--	09/22/1998	--	--	fair	--	--
68	Big Piney River	237.4	--	--	09/22/1995	330	16.6	good-fair	219	--
	Stone Mill Spring	35.0	--	--	09/21/1995	340	14.8	poor	--	32.2
	Stone Mill Spring	--	39.6	--	09/11/1998	--	--	poor	--	--
	Sandstone Spring	--	.5	--	09/11/1998	--	--	estimated	--	.5
69	Big Piney River at FLWMR Quarry	200	--	--	09/19/1995	325	19.3	fair	184	--
	Miller Spring	7.3	--	--	09/20/1995	370	13.8	fair	--	6.7
	Miller Spring	--	10.5	--	09/11/1998	--	--	--	--	--
70	Bald Ridge Creek	--	.4	--	09/10/1998	--	--	poor	.4	--
71	Big Piney River upst Bald Ridge Creek	173	--	--	09/18/1995	--	--	good-fair	159	--
	Big Piney River upst Bald Ridge Creek	--	161	--	09/10/1998	--	--	--	--	--
	Prewett Spring	--	--	--	--	--	--	--	--	[d]17.5
	Slabtown Spring	--	--	--	--	--	--	--	--	[d]16.8
72	Paddy Creek	--	.4	--	09/10/1998	--	--	poor	.4	--
73	Big Piney River upst Big Paddy Creek	--	133	--	09/10/1998	--	--	good	132	--
	Boiling Spring (S)	--	--	--	--	--	--	--	--	[d]13.4
74	Arthur Creek at mouth	--	15.7	--	09/09/1998	--	--	poor	15.5	--

Table 2. Stream and spring low-flow discharge measurements made in September 1995, September 1998, and August 1999, estimated spring low-flow discharge measurements from published data, and composite stream and spring discharge data scaled to August 1999 discharge data—Continued

Site number (fig. 22)	Stream, spring, or tributary name and measurement location[a]	Measured discharge			Date	Specific conductance (µS/cm)	Temperature (°C)	Remark or measurement rating	Composite discharge	
		Sept 1995 (ft^3/s)	Sept 1998 (ft^3/s)	Aug 1999 (ft^3/s)					Stream (ft^3/s)	Spring (ft^3/s)
	Big Piney River and associated springs and tributaries—Continued									
75	Big Piney River upst Arthur Creek	--	32.2	--	09/09/1998	--	--	good	31.9	--
76	West Piney Creek at mouth	--	11.2	--	09/08/1998	--	--	poor	11.1	--
77	Hamilton Creek	--	.8	--	09/08/1998	--	--	poor	.8	--
78	West Piney Creek	--	4.4	--	09/08/1998	--	--	fair	4.4	--
79	Big Piney River upst West Piney Creek	--	24.4	--	09/08/1998	--	--	fair	24.2	--
80	Hog Creek at mouth	--	1.4	--	09/08/1998	--	--	fair	1.4	--
81	Big Piney River upst Hog Creek	--	18.9	--	09/08/1998	--	--	fair	18.7	--
82	Elk Creek at mouth	--	1.9	--	09/09/1998	--	--	fair	1.9	--
83	Big Piney River upst Elk Creek	--	7.2	--	09/09/1998	--	--	poor	7.1	--
84	Potter Creek at mouth	--	1.2	--	09/09/1998	--	--	fair	1.2	--
85	Big Piney River upst Potter Creek	--	1.6	--	09/09/1998	--	--	poor	1.6	--
	Roubidoux Creek and associated springs and tributaries									
7	Roubidoux Creek near mouth	--	--	25.9	08/18/1999	363	22.0	fair-poor	25.9	--
	Roubidoux Creek near mouth	23.7	--	--	09/06/1995	400	21.1	good	--	--
	Roubidoux Spring	21.8	--	--	09/05/1995	--	--	--	--	23.8
86	Roubidoux Creek upst Roubidoux Spring	.7	--	--	09/05/1995	380	29.2	fair-poor	.8	--
87	Roubidoux Creek dnst Ballard Hollow	.1	--	--	09/05/1995	401	26.9	good	.1	--
88	Roubidoux Creek upst Ballard Hollow	0	--	--	09/05/1995	--	--	flow begins	0	--
89	Roubidoux Creek at Quesenberry Ford	0	--	--	09/13/1995	--	--	flow ends	0	--
90	Roubidoux Creek at Dundas Ford	8.5	--	--	09/12/1995	328	22.7	good	9.3	--
91	Roubidoux Creek at Cooksville Ford	9.6	--	--	09/11/1995	354	20.4	good-fair	10.5	--
92	Musgrave Hollow	.5	--	--	09/12/1995	--	--	--	.5	--
93	Roubidoux Creek upst Musgrave Hollow	7.3	--	--	09/11/1995	356	21.7	good-fair	8.0	--
94	Roubidoux Creek at Bernard Ford	7.6	--	--	09/12/1995	354	20.6	good	8.3	--
95	Roubidoux Creek at Hwy 17	6.3	--	--	09/05/1995	358	22.2	--	6.9	--

Table 2. Stream and spring low-flow discharge measurements made in September 1995, September 1998, and August 1999, estimated spring low-flow discharge measurements from published data, and composite stream and spring discharge data scaled to August 1999 discharge data—Continued

Site number (fig. 22)	Stream, spring, or tributary name and measurement location[a]	Measured discharge			Date	Specific conductance (µS/cm)	Temperature (°C)	Remark or measurement rating	Composite discharge	
		Sept 1995 (ft^3/s)	Sept 1998 (ft^3/s)	Aug 1999 (ft^3/s)					Stream (ft^3/s)	Spring (ft^3/s)
	Osage Fork and associated springs and tributaries									
16	Osage Fork near mouth	--	--	34.7	08/16/1999	--	--	good	34.7	--
	Osage Fork near mouth	--	42.5	--	09/10/1998	368	22.8	good-fair	--	--
96	Mill Creek	--	0	--	09/10/1998	--	--	--	0	--
97	Osage Fork at Garrett Road	--	45.0	--	09/10/1998	360	24.6	fair	36.7	--
98	Cobbs Creek at Hwy 32	--	.7	--	09/10/1998	368	25.9	fair	.6	--
99	Osage Fork at Cobb Creek	--	36.1	--	09/10/1998	370	21.9	good	29.5	--
100	Steins Creek	--	0	--	09/09/1998	--	--	--	0	--
101	Osage Fork near Orla	--	36.4	--	09/09/1998	--	--	fair	29.7	--
102	Brush Creek near Twin Bridge	--	.4	--	09/10/1998	377	20.4	good-fair	.3	--
103	Osage Fork upst Brush Creek	--	41.8	--	09/10/1998	392	17.0	good-fair	[c]32.2	--
	Osage Fork upst Brush Creek	--	37.0	--	09/11/1998	395	--	good	--	--
	Big Spring	--	--	--	--	--	--	--	--	[d]17.1
104	Parks Creek at Hwy J	--	.9	--	09/09/1998	359	25.4	fair-poor	1.0	--
105	Osage Fork at Hwy J	--	11.5	--	09/09/1998	367	25.6	good	9.4	--
106	Cantrell Creek at mouth	--	2.8	--	09/09/1998	407	24.1	good	2.3	--
107	Osage Fork at Hwy F	--	5.0	--	09/09/1998	410	24.7	good	4.1	--

[a] Location of September 1995 discharge measurements is shown in table 18 and figure 19 (Imes and others, 1996). Location of composite discharge values is shown in figure 22. Location of springs is shown in figure 23.

[b] Discharge from U.S. Geological Survey continuous streamflow gaging station (number 06933500) located at Jerome, Missouri (Hauck and others, 1999).

[c] Discharge is average of two measurements.

[d] Estimated value from average discharge or average of selected low-flow discharge measurements published in Vineyard and Feder (1974).