

**Table 5.** Streamflow data for the Daisy Creek and Stillwater River drainage, Montana, August 26, 1999  
 [Site number indicates distance downstream from tracer-injection site, in feet. Abbreviations: L/s, liters per second; mg/L, milligrams per liter. Symbols: <, less than minimum reporting level; --, no data]

Daisy Creek and Stillwater River				Surface inflow			
Site number (fig. 2)	Chloride, dissolved (mg/L)	Tracer-calculated streamflow (L/s)	Calculated subsurface inflow <sup>1</sup> (L/s)	Site number (fig. 2)	Chloride, dissolved (mg/L)	Tracer-calculated streamflow <sup>2</sup> (L/s)	Measured streamflow <sup>3</sup> (L/s)
0	0.21	1.49	--				
				74	0.42	1.49	1.42
104	116	2.98	0.07				
				114	<.29	.10	.063
				129	.15	.10	.033
				161	.55	.10	.008
177	106	3.27	.19				
270	101	3.41	.14				
				292	2.59	.12	.063
				348	<.29	.12	.063
360	94.8	3.65	.11				
				401	<.29	.12	.15
				402	.23	.12	.13
				411	--	.12	.05
425	86.2	4.02	.04				
				432	.21	.19	.13
460	82.2	4.21	.06				
				481	1.37	1.00	1.13
				546	--	1.00	.19
611	56.0	6.21	.68				
				686	.13	.12	.025
				691	.60	.12	.042
				761	.44	.12	.045
				804	.75	.12	.063
819	52.1	6.67	.28				
				824	<.1	.99	.57
				928	.28	.99	1.70
				1,010	.26	.99	.34
1,082	36.1	9.66	.38				
				1,189	.11	.89	.12
1,340	33.0	10.55	.77				

				1,545	<.1	.20	<sup>4</sup> <.06
1,695	32.4	10.74	.19				
				1,700	<.1	.41	.083
				1,865	.43	.41	.094
				1,915	.10	.41	.13
2,334	29.1	11.98	.93				
				2,360	.10	.61	<sup>4</sup> <.03
2,658	27.7	12.59	.61				
3,523	27.5	12.70	.11				
4,283	25.8	13.51	.81				
5,475	25.2	13.87	.36				
				5,519	.30	4.14	--
5,661	18.8	18.01	0				
				5,671	0.18	9.21	--
5,839	12.5	27.22	0				
7,324	12.1	28.18	.96				
				7,529	.16	.63	--
7,829	11.8	28.81	0				
				9,688	<.1	2.21	<sup>4</sup> <.06
9,925	11.0	31.02	2.21				
11,549	10.5	32.65	1.63				
				11,560	.18	<sup>5</sup> 82.82	--
				11,644	.14	<sup>5</sup> 55.22	--
11,890	2.13	170.68	0				
12,410	2.05	177.91	7.23				

<sup>1</sup>Calculated as the difference between the tracer-calculated increase in mainstem streamflow between consecutive sites minus the sum of measured inflows in the reach between the mainstem sites; value is for the reach upstream from the site to the next mainstem site.

<sup>2</sup>Assumes all streamflow gain between mainstem sites is contributed, in equal parts, by the surface inflows between mainstem sites.

<sup>3</sup>Streamflow measured by current-meter or volumetric method.

<sup>4</sup>Streamflow gain between mainstem sites assumed to be zero in calculating subsurface inflow.

<sup>5</sup>Increase in streamflow between mainstem sites 11,549 and 11,890 apportioned 60 percent to surface-inflow site 11,560 and 40 percent to surface-inflow site 11,890 on the basis of visual estimates made of relative streamflow on August 20, 1999.