

Appendix D. Bedload-Sediment Data

Table D1. Particle-size distribution of bedload from samples collected from the Kootenai River below Moyie River, below Fry Creek, and above Shorty's Island, near Bonners Ferry, Idaho, water year 2008.

[All particle-size distributions are in millimeters. **Abbreviations:** mm, millimeter; <, less than; –, no data]

Date	Time	Sample set	Mass	Particle-size distribution (percent)												
				< 45	< 32	< 22.6	< 16	< 11.3	< 8	< 5.6	< 4	< 2	< 1.4	< 1	< 0.7	< 0.5
Kootenai River below Moyie River—4842231161104																
12-12-07	14:00	A	1.8	—	—	—	—	—	—	—	—	—	—	—	100	83.3
12-13-07	12:30	A	7.1	—	—	—	—	—	—	—	—	100	100	98.6	95.8	88.9
05-07-08	11:36	B	26.9	—	—	—	—	—	—	—	100	99.3	97	91.1	71.7	30.1
05-08-08	16:56	A	0.0	—	—	—	—	—	—	—	—	—	—	—	—	—
05-18-08	08:46	A	2,210.2	—	100	86.6	73.4	61.4	52.8	48.2	46	42.5	40.4	38.7	36.7	33.8
06-01-08	08:20	A	88.3	—	—	—	100	83.2	68.8	61.8	57.6	52.5	47.2	38.7	20.6	2.83
06-01-08	09:40	B	182.6	—	100	83.7	24.2	9.91	3.94	3.12	3.12	3.07	2.96	2.74	1.86	0.38
06-02-08	13:40	A	1,749.8	—	100	89	82.6	68.6	53.4	41.8	35.4	25.7	22.3	20.8	20	18.6
06-02-08	15:03	B	1,313.5	100	85.8	81.1	77.3	68.3	61.8	58.2	56.4	52.7	49.1	44.1	37.1	31.6
06-04-08	08:15	A	103.8	—	—	—	100	97.4	96.7	95	93.6	91.9	91.1	90.4	89.1	85.1
06-04-08	09:14	B	106.7	—	—	—	—	100	96.6	94	90.7	85.9	84.7	84	82.5	78.2
06-11-08	08:52	A	52.4	—	—	100	79.4	68.1	65.8	64.1	60.6	54.9	51.8	45.9	29.1	3.25
06-11-08	10:27	B	48.1	—	—	100	66.8	66.8	63.7	59.8	59.3	55.6	51.5	43.8	27.6	4.98
06-12-08	13:54	A	172.9	—	100	73.7	45	39.1	32.7	30.7	30.3	29.1	28	25.4	17.4	4.81
06-12-08	15:02	B	99.2	—	100	76.3	62.3	52.9	49.2	48.8	48.4	46.7	44.9	40.8	27.6	8.53
Kootenai River below Fry Creek—12309490																
12-13-07	14:29	A	1.8	—	—	—	—	—	—	—	—	—	—	100	94.4	88.9
05-07-08	16:38	A	1,073.7	100	93.7	71.6	42.3	19.9	7.59	2.69	2.41	2.33	2.26	2.09	1.64	1.06
05-08-08	10:58	A	664.2	100	89	72	33.8	16.9	7.35	5.83	5.68	5.42	5.24	4.99	4.46	3.66
05-08-08	12:34	B	343.9	—	100	87.4	72.1	42	17.1	6.97	4.94	4.94	4.56	4.09	2.94	1.44
05-17-08	11:22	A	195.1	—	100	63.7	57.2	54.4	54	53.4	53	52.9	52.7	52.4	51.8	50.2
05-17-08	13:33	B	213.5	—	—	100	69	58.6	50.9	45.1	43.3	41.5	40.7	39.5	38	35.9
05-18-08	12:01	A	102.6	—	—	—	100	88.4	66	51.2	49.1	48.3	47.7	47.1	46.2	45.3
06-01-08	12:40	A	7.8	—	—	—	100	34.6	12.3	12.3	12.3	12.3	12.3	11.1	8.64	4.94
06-01-08	13:44	B	2.4	—	—	—	—	—	—	—	—	100	96	80	48	12
06-03-08	10:42	A	16.8	—	—	—	—	—	—	—	—	100	99.4	99.4	98.2	95.8
06-03-08	11:38	B	23.6	—	—	—	—	—	100	97.1	96.6	95.8	95	94.1	92.9	90.8
06-11-08	13:43	A	2.7	—	—	—	—	—	—	—	100	96.6	86.2	75.9	58.6	31
06-11-08	14:55	B	4.4	—	—	—	—	—	—	—	100	97.7	90.7	79.1	55.8	27.9
06-13-08	07:30	A	4.4	—	—	—	—	—	—	—	100	97.7	95.3	86	62.8	32.6
Kootenai River above Shorty's Island—4845421162319																
12-14-07	09::00	A	97.5	—	—	—	—	—	—	—	100	99.5	96.4	92.1	86.7	79.3
05-16-08	1346	A	77.5	—	—	—	—	—	—	—	100	97.8	87.7	71.7	45.9	18
05-16-08	15:03	B	206.0	—	—	—	—	—	—	—	100	99.7	97.5	91.6	77.2	54.9
05-31-08	14:20	A	36.9	—	—	—	—	—	—	—	100	98.6	91.9	79.7	56.5	26.8
05-31-08	15:53	B	32.8	—	—	—	—	—	—	—	100	99.1	96.3	86.1	57.1	18.5
06-02-08	09:39	A	97.0	—	—	—	—	—	—	—	100	98.8	93.2	84	68.9	49.8
06-02-08	10:46	B	109.2	—	—	—	—	—	—	100	99.9	99.7	96	86.7	62.1	26.6
06-03-08	14:34	A	723.6	—	—	—	—	—	—	—	100	99.9	99.6	98.8	96.2	88.5
06-03-08	16:00	B	1,078.0	—	—	—	—	—	—	—	—	100	99.9	99.8	99.4	97.6
06-12-08	08:16	A	68.8	—	—	—	—	—	—	—	100	99.1	94.8	86.2	68.7	45.3
06-12-08	09:27	B	111.4	—	—	—	—	—	—	—	100	99.4	95.9	86.2	64	34.4