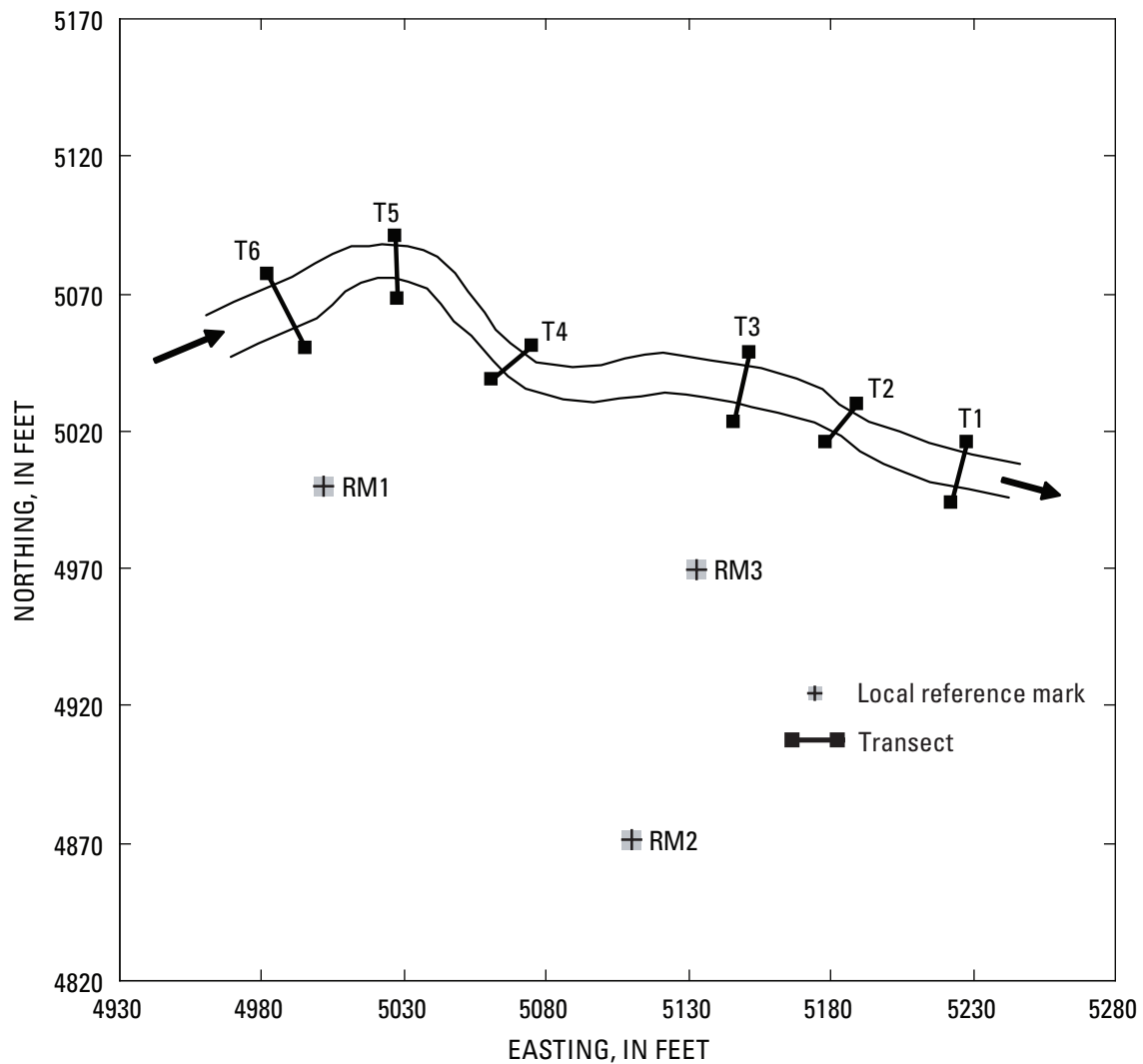


Appendix C. Plan view, weighted usable areas, and passage criteria assessments for bull trout, Chinook salmon, steelhead trout, and invertebrates for lower Bear Creek, upper Salmon River Basin, Idaho, 2005.



Transect Endpoint Coordinates (NAD 83)		
Point	Latitude	Longitude
RH1	44° 34' 11.08" N	114° 21' 49.32" W
LH1	44° 34' 10.89" N	114° 21' 49.46" W
RH2	44° 34' 11.31" N	114° 21' 49.76" W
LH2	44° 34' 11.2" N	114° 21' 49.98" W
RH3	44° 34' 11.59" N	114° 21' 50.2" W
LH3	44° 34' 11.37" N	114° 21' 50.39" W

Transect Endpoint Coordinates (NAD 83)		
Point	Latitude	Longitude
RH4	44° 34' 11.81" N	114° 21' 51.22" W
LH4	44° 34' 11.72" N	114° 21' 51.47" W
RH5	44° 34' 12.3" N	114° 21' 51.74" W
LH5	44° 34' 12.1" N	114° 21' 51.8" W
RH6	44° 34' 12.29" N	114° 21' 52.37" W
LH6	44° 34' 12" N	114° 21' 52.29" W

For reference only; stream schematic not to scale.

Figure C1. Plan view of lower Bear Creek (BE1), upper Salmon River Basin, Idaho, 2005.

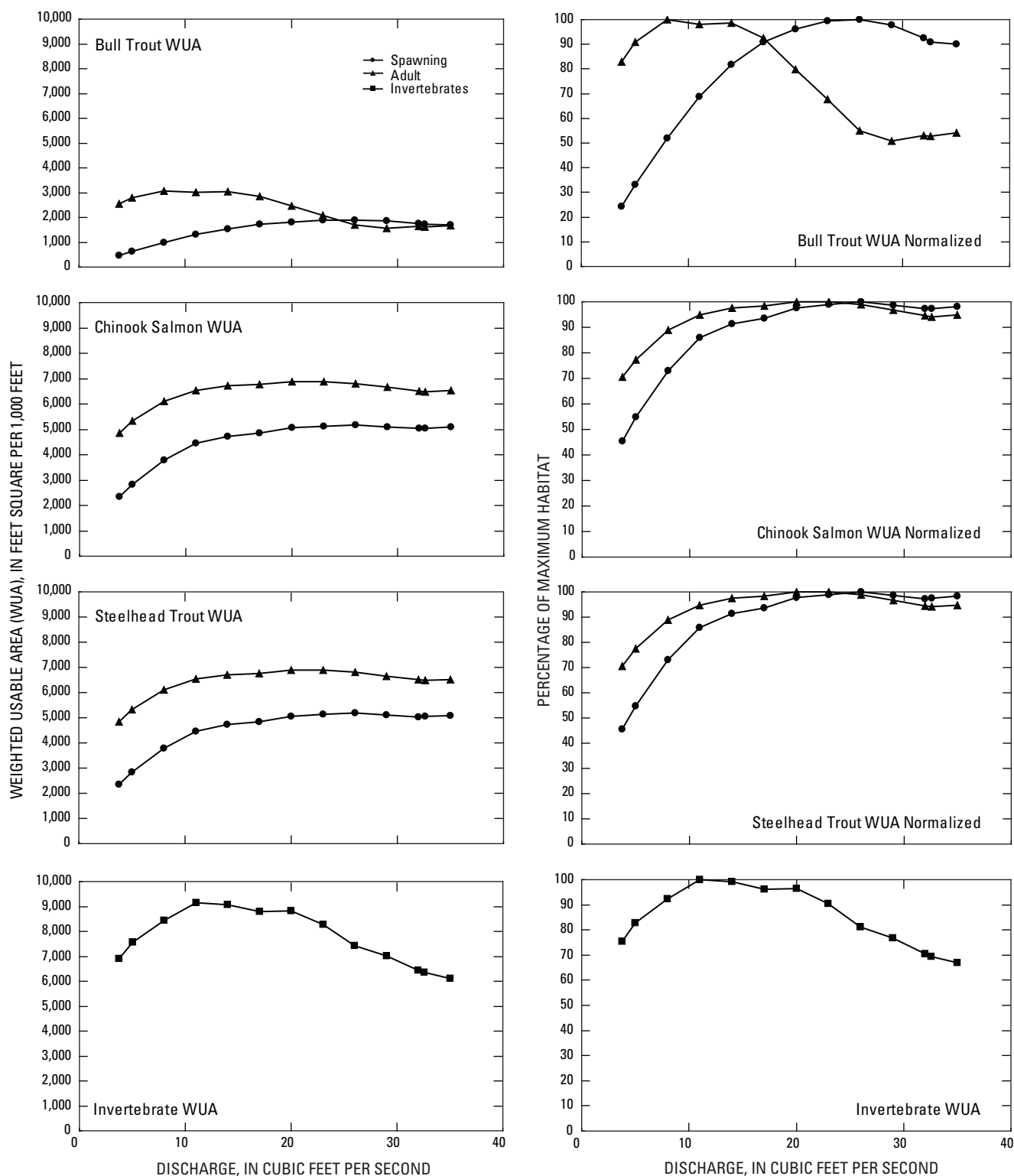


Figure C2. Weighted usable area and percentage of maximum habitat for bull trout, Chinook salmon, steelhead trout, and invertebrates, lower Bear Creek (BE1), upper Salmon River Basin, Idaho, 2005.

Table C1. Weighted usable area for bull trout, Chinook salmon, steelhead trout life stages, and Ephemeroptera, Plecoptera, and Trichoptera (EPT) invertebrates, site BE1, lower Bear Creek, upper Salmon River Basin, Idaho, 2005.

[Site location shown in [figure 8](#). **Abbreviations:** WUA, weighted usable area; ft³/s, cubic foot per second; ft², square foot; ft²/1,000 ft, square foot per 1,000 feet]

Discharge (ft ³ /s)	Total area (ft ²)	Summary of WUA (ft ² /1,000 ft)		Percentage of maximum habitat		Discharge (ft ³ /s)	Total area (ft ²)	Summary of WUA (ft ² /1,000 ft)		Percentage of maximum habitat	
		Adult	Spawning	Adult	Spawning			Adult	Spawning	Adult	Spawning
Bull trout						Steelhead trout					
3.8	12,567	2,557	461	83.0	24.4	3.8	12,567	4,850	2,357	70.5	45.5
5	12,916	2,802	629	90.9	33.3	5	12,916	5,325	2,839	77.4	54.8
8	13,542	3,081	983	100.0	52.0	8	13,542	6,116	3,776	88.9	73.0
11	13,917	3,026	1,302	98.2	68.9	11	13,917	6,528	4,450	94.9	86.0
14	14,225	3,039	1,547	98.6	81.9	14	14,225	6,716	4,730	97.6	91.4
17	14,486	2,850	1,715	92.5	90.8	17	14,486	6,767	4,843	98.3	93.6
20	14,697	2,457	1,818	79.7	96.2	20	14,697	6,881	5,054	100.0	97.6
23	14,873	2,081	1,878	67.5	99.4	23	14,873	6,882	5,125	100.0	99.0
26	15,035	1,695	1,890	55.0	100.0	26	15,035	6,800	5,176	98.8	100.0
29	15,182	1,568	1,850	50.9	97.9	29	15,182	6,661	5,105	96.8	98.6
32	15,328	1,638	1,750	53.2	92.6	32	15,328	6,509	5,036	94.6	97.3
32.600	15,364	1,627	1,719	52.8	91.0	32.600	15,364	6,482	5,041	94.2	97.4
35	15,490	1,672	1,700	54.3	89.9	35	15,490	6,523	5,083	94.8	98.2
Chinook salmon						Discharge (ft ³ /s)	Total area (ft ²)	Summary of WUA (ft ² /1,000 ft)	Percentage of maximum habitat		
3.8	12,567	4,850	2,357	70.5	45.5	5	12,916	7,567	82.8		
5	12,916	5,325	2,839	77.4	54.8	8	13,542	8,451	92.5		
8	13,542	6,116	3,776	88.9	73.0	11	13,917	9,140	100.0		
11	13,917	6,528	4,450	94.9	86.0	14	14,225	9,059	99.1		
14	14,225	6,716	4,730	97.6	91.4	17	14,486	8,792	96.2		
17	14,486	6,767	4,843	98.3	93.6	20	14,697	8,810	96.4		
20	14,697	6,881	5,054	100.0	97.6	23	14,873	8,262	90.4		
23	14,873	6,882	5,125	100.0	99.0	26	15,035	7,416	81.1		
26	15,035	6,800	5,176	98.8	100.0	29	15,182	7,010	76.7		
29	15,182	6,661	5,105	96.8	98.6	32	15,328	6,432	70.4		
32	15,328	6,509	5,036	94.6	97.3	32.600	15,364	6,351	69.5		
32.600	15,364	6,482	5,041	94.2	97.4	35	15,490	6,114	66.9		
35	15,490	6,523	5,083	94.8	98.2						

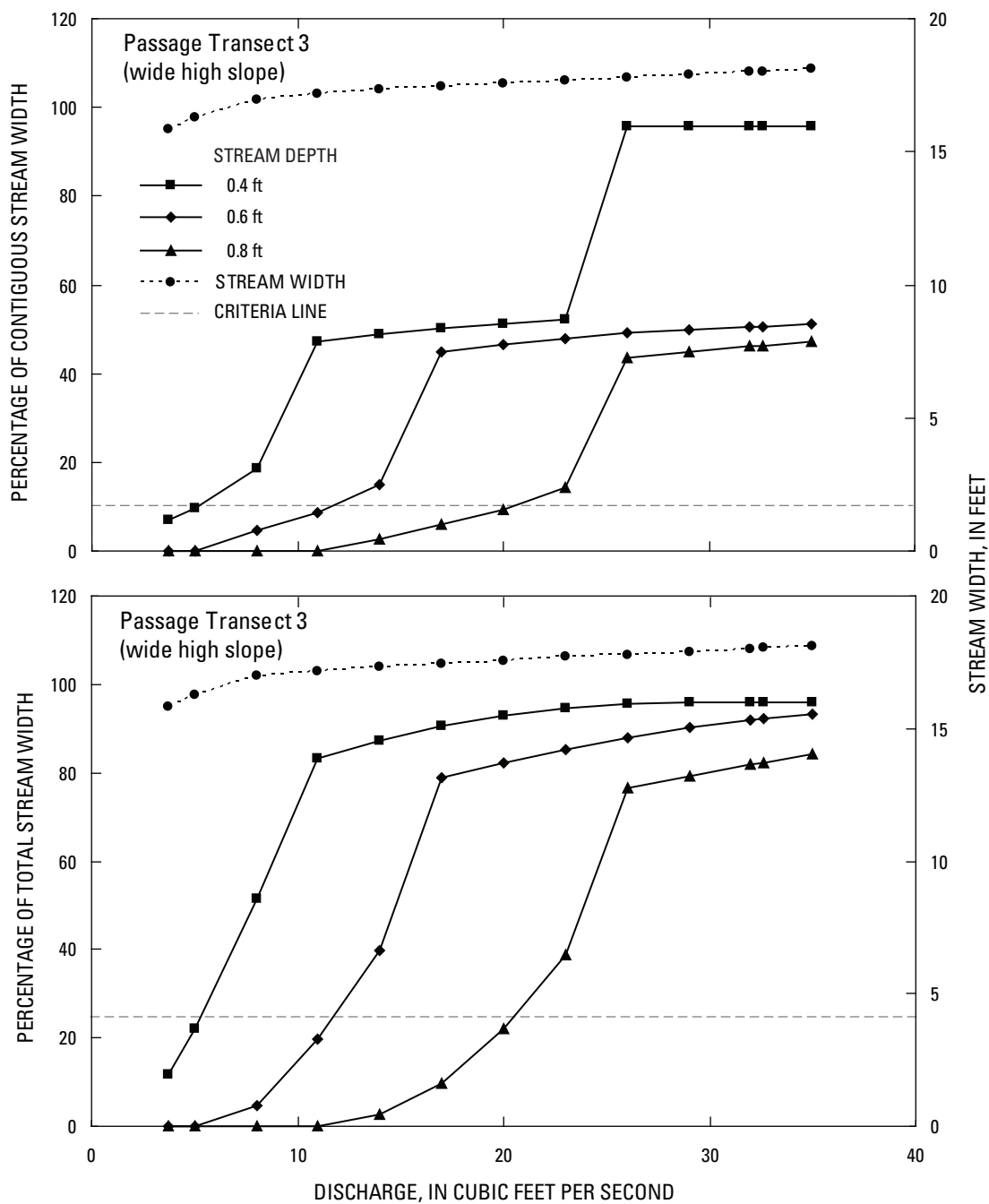


Figure C3. Percentages of contiguous and total stream width for passage transect 3, lower Bear Creek (BE1), upper Salmon River Basin, Idaho, 2005.

Table C2. Passage criteria assessment for transect 3 (wide high slope), site BE1, lower Bear Creek, upper Salmon River Basin, Idaho, 2005.[Site location shown in [figure 8](#). Abbreviations: ft, foot; ft³/s, cubic foot per second]

Discharge (ft ³ /s)	Stream width (ft)	Passage criteria assessment				Discharge (ft ³ /s)	Stream width (ft)	Passage criteria assessment			
		Total	Percentage	Contiguous	Percentage contiguous			Total	Percentage	Contiguous	Percentage contiguous
Stream widths greater than 0.4-ft depth						Stream widths greater than 0.8-ft depth					
3.8	15.8	1.8	11.6	1.1	7.0	3.8	15.8	0.0	0.0	0.0	0.0
5	16.3	3.6	22.1	1.6	9.6	5	16.3	0.0	0.0	0.0	0.0
8	17.0	8.7	51.5	3.2	18.6	8	17.0	0.0	0.0	0.0	0.0
11	17.2	14.3	83.3	8.1	47.1	11	17.2	0.0	0.0	0.0	0.0
14	17.3	15.1	87.2	8.5	48.9	14	17.3	0.5	2.7	0.5	2.7
17	17.4	15.8	90.5	8.8	50.4	17	17.4	1.7	9.8	1.1	6.1
20	17.6	16.4	93.1	9.0	51.2	20	17.6	3.8	21.9	1.6	9.2
23	17.7	16.7	94.7	9.2	52.1	23	17.7	6.9	38.7	2.6	14.5
26	17.8	17.0	95.8	17.0	95.8	26	17.8	13.6	76.5	7.8	43.6
29	17.9	17.1	95.8	17.1	95.8	29	17.9	14.2	79.3	8.0	44.9
32	18.0	17.2	95.8	17.2	95.8	32	18.0	14.7	81.9	8.3	46.1
33	18.0	17.3	95.8	17.3	95.8	33	18.0	14.8	82.4	8.3	46.3
35	18.1	17.3	95.8	17.3	95.8	35	18.1	15.3	84.4	8.6	47.3
Stream widths greater than 0.6-ft depth											
3.8	15.8	0.0	0.0	0.0	0.0						
5	16.3	0.0	0.0	0.0	0.0						
8	17.0	0.8	4.6	0.8	4.6						
11	17.2	3.4	19.7	1.5	8.8						
14	17.3	6.9	39.7	2.6	14.8						
17	17.4	13.8	78.9	7.8	44.9						
20	17.6	14.4	82.2	8.2	46.4						
23	17.7	15.1	85.3	8.5	47.9						
26	17.8	15.7	88.0	8.7	49.1						
29	17.9	16.2	90.2	8.9	49.8						
32	18.0	16.5	91.9	9.1	50.5						
33	18.0	16.6	92.2	9.1	50.7						
35	18.1	16.9	93.1	9.3	51.2						

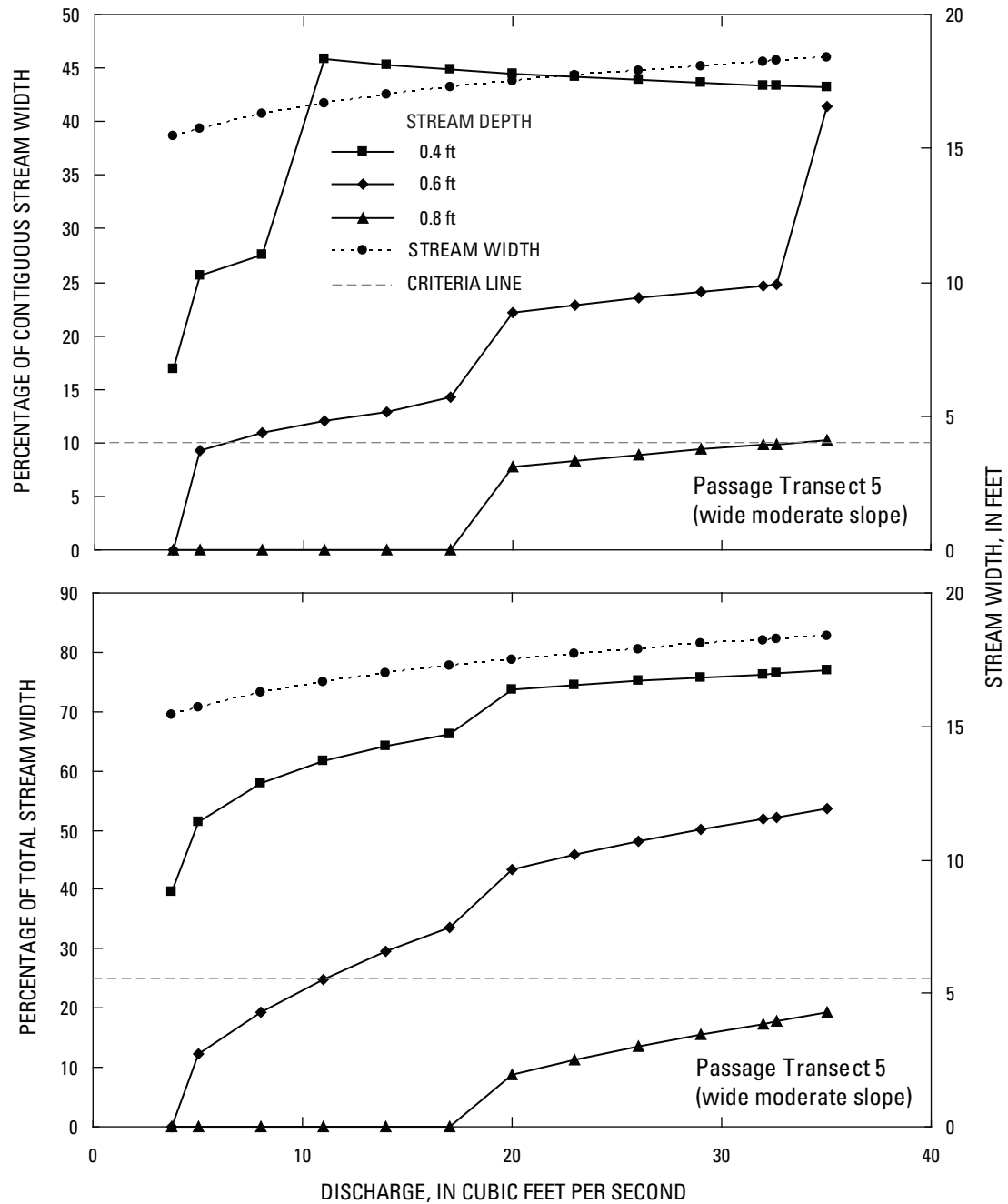


Figure C4. Percentages of contiguous and total stream width for passage transect 5, lower Bear Creek (BE1), upper Salmon River Basin, Idaho, 2005.

Table C3. Passage criteria assessment for transect 5 (wide moderate slope), site BE1, lower Bear Creek, upper Salmon River Basin, Idaho, 2005.[Site location shown in [figure 8](#). Abbreviations: ft, foot; ft³/s, cubic foot per second]

Discharge (ft ³ /s)	Stream width (ft)	Passage criteria assessment				Discharge (ft ³ /s)	Stream width (ft)	Passage criteria assessment			
		Total	Percentage	Contiguous	Percentage contiguous			Total	Percentage	Contiguous	Percentage contiguous
Stream widths greater than 0.4-ft depth						Stream widths greater than 0.8-ft depth					
3.8	15.4	6.1	39.7	2.6	16.8	3.8	15.4	0.0	0.0	0.0	0.0
5	15.7	8.1	51.3	4.0	25.7	5	15.7	0.0	0.0	0.0	0.0
8	16.3	9.4	57.9	4.5	27.5	8	16.3	0.0	0.0	0.0	0.0
11	16.7	10.3	61.7	7.6	45.9	11	16.7	0.0	0.0	0.0	0.0
14	17.0	10.9	64.1	7.7	45.3	14	17.0	0.0	0.0	0.0	0.0
17	17.3	11.4	66.2	7.7	44.9	17	17.3	0.0	0.0	0.0	0.0
20	17.5	12.9	73.8	7.8	44.5	20	17.5	1.5	8.8	1.4	7.8
23	17.7	13.2	74.5	7.8	44.2	23	17.7	2.0	11.2	1.5	8.4
26	17.9	13.5	75.2	7.9	43.9	26	17.9	2.4	13.5	1.6	8.9
29	18.1	13.7	75.8	7.9	43.6	29	18.1	2.8	15.5	1.7	9.4
32	18.2	13.9	76.3	7.9	43.4	32	18.2	3.2	17.3	1.8	9.8
33	18.3	14.0	76.4	7.9	43.4	33	18.3	3.2	17.8	1.8	9.9
35	18.4	14.1	76.9	7.9	43.2	35	18.4	3.6	19.3	1.9	10.2
Stream widths greater than 0.6-ft depth											
3.8	15.4	0.0	0.0	0.0	0.0						
5	15.7	2	12.4	1.5	9.3						
8	16.3	3	19.3	1.8	10.9						
11	16.7	4	24.9	2.0	12.1						
14	17.0	5	29.6	2.2	12.9						
17	17.3	6	33.5	2.5	14.3						
20	17.5	8	43.4	3.9	22.2						
23	17.7	8	45.8	4.1	22.9						
26	17.9	9	48.1	4.2	23.5						
29	18.1	9	50.1	4.4	24.1						
32	18.2	9	51.8	4.5	24.6						
33	18.3	10	52.3	4.5	24.7						
35	18.4	10	53.6	7.6	41.4						

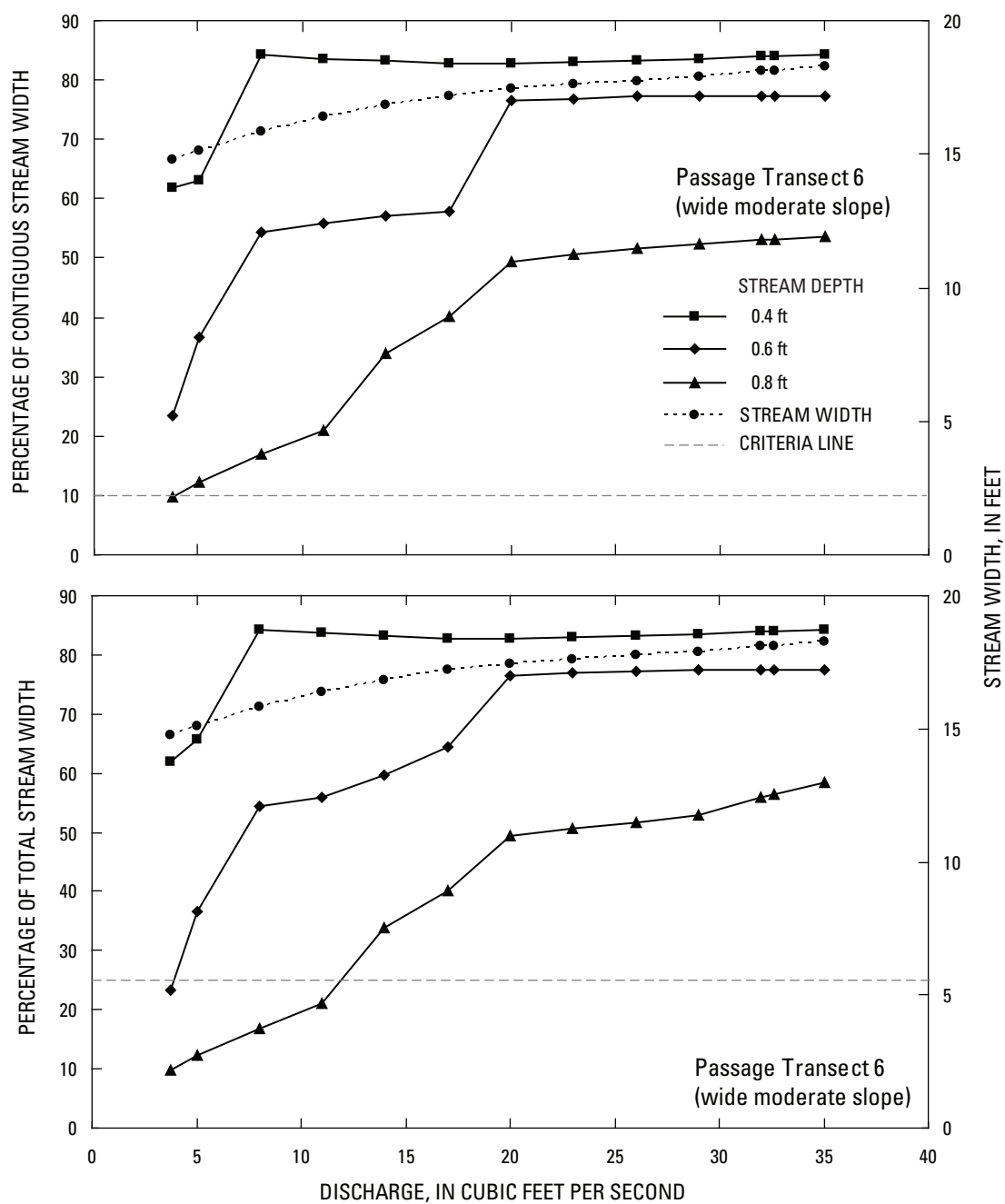


Figure C5. Percentages of contiguous and total stream width for passage transect 6, lower Bear Creek (BE1), upper Salmon River Basin, Idaho, 2005.

Table C4. Passage criteria assessment for transect 6 (wide moderate slope), site BE1, lower Bear Creek, upper Salmon River Basin, Idaho, 2005.[Site location shown in [figure 8](#). Abbreviations: ft, foot; ft³/s, cubic foot per second]

Discharge (ft ³ /s)	Stream width (ft)	Passage criteria assessment				Discharge (ft ³ /s)	Stream width (ft)	Passage criteria assessment			
		Total	Percentage	Contiguous	Percentage contiguous			Total	Percentage	Contiguous	Percentage contiguous
Stream widths greater than 0.4-ft depth						Stream widths greater than 0.8-ft depth					
3.8	14.8	9.2	61.9	9.2	61.9	3.8	14.8	1.4	9.7	1.4	9.7
5	15.1	9.9	65.6	9.5	63.1	5	15.1	1.8	12.2	1.8	12.2
8	15.8	13.3	84.2	13.3	84.2	8	15.8	2.7	16.9	2.7	16.9
11	16.4	13.7	83.6	13.7	83.6	11	16.4	3.4	21.0	3.4	21.0
14	16.8	14.0	83.1	14.0	83.1	14	16.8	5.7	33.8	5.7	33.8
17	17.2	14.2	82.8	14.2	82.8	17	17.2	6.9	40.1	6.9	40.1
20	17.5	14.4	82.7	14.4	82.7	20	17.5	8.6	49.4	8.6	49.4
23	17.6	14.6	83.1	14.6	83.1	23	17.6	8.9	50.6	8.9	50.6
26	17.7	14.8	83.3	14.8	83.3	26	17.7	9.2	51.6	9.2	51.6
29	17.9	15.0	83.6	15.0	83.6	29	17.9	9.5	53.0	9.4	52.4
32	18.1	15.2	83.9	15.2	83.9	32	18.1	10.1	55.8	9.6	53.1
33	18.1	15.2	84.0	15.2	84.0	33	18.1	10.2	56.4	9.6	53.2
35	18.3	15.4	84.3	15.4	84.3	35	18.3	10.7	58.4	9.8	53.7
Stream widths greater than 0.6-ft depth											
3.8	14.8	3.5	23.4	3.5	23.4						
5	15.1	6	36.5	5.5	36.5						
8	15.8	9	54.4	8.6	54.4						
11	16.4	9	55.8	9.1	55.8						
14	16.8	10	59.8	9.6	57.0						
17	17.2	11	64.3	10.0	57.9						
20	17.5	13	76.5	13.4	76.5						
23	17.6	14	76.9	13.5	76.9						
26	17.7	14	77.2	13.7	77.2						
29	17.9	14	77.4	13.8	77.4						
32	18.1	14	77.4	14.0	77.4						
33	18.1	14	77.4	14.0	77.4						
35	18.3	14	77.4	14.1	77.4						