

Table 1. Riparian area assessment of BCR1, BCW1.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	10	7
2	Riparian Vegetation Type	10	10
3	Riparian Vegetation Thickness	10	10
4	Bank Vegetation Type	10	10
5	Bank Vegetation Thickness	10	10
6	Bank Stability	10	10
7	Water Pathways	10	9
8	Channel Modification	6	
9	Shading (Canopy Cover)	10	
10	In-stream Cover	8	
11	Embeddedness	9	
12	Aquatic Vegetation	10	
Physical Description of Site			
Dominant Land Use = Forest			
Substrate Classification		Boulder= 10%; Cobble = 30%; Course Gravel = 60%	
Livestock = not present			
Drainage Pipes = 0			
Overall rating = excellent			

Table 2. Habitat Assessment of BCR1.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	19
2	Embeddedness	20
3	Velocity/Depth Regimes	19
4	Sediment Deposition	20
5	Channel Flow Status	17
6	Channel Alteration	14
7	Frequency of Riffles	19
8	Condition of Banks	16
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	13
	Total	177

Table 3. Riparian area assessment of BCR2.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	10	10
2	Riparian Vegetation Type	10	10
3	Riparian Vegetation Thickness	7	7
4	Bank Vegetation Type	7	9
5	Bank Vegetation Thickness	9	10
6	Bank Stability	10	10
7	Water Pathways	10	10
8	Channel Modification	10	
9	Shading (Canopy Cover)	10	
10	In-stream Cover	8	
11	Embeddedness	10	
12	Aquatic Vegetation	7	
Physical Description of Site			
Dominant Land Use = Forest			
Substrate Classification		Boulder = 60%; Cobble = 20%; Coarse Gravel = 20%	
Livestock = not present			

Drainage pipes = 0
Overall rating = excellent

Table 4. Habitat Assessment of BCR2.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	19
2	Embeddedness	19
3	Velocity/Depth Regimes	19
4	Sediment Deposition	18
5	Channel Flow Status	17
6	Channel Alteration	20
7	Frequency of Riffles	20
8	Condition of Banks	20
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	20
	Total	192

Table 5. Riparian area assessment of BCR3.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	10	10
2	Riparian Vegetation Type	10	10
3	Riparian Vegetation Thickness	10	10
4	Bank Vegetation Type	10	10
5	Bank Vegetation Thickness	10	10
6	Bank Stability	7	8
7	Water Pathways	10	10
8	Channel Modification	8	
9	Shading (Canopy Cover)	10	
10	In-stream Cover	10	
11	Embeddedness	9	
12	Aquatic Vegetation	7	
Physical Description of Site			
Dominant Land Use = Forest			
Substrate Classification		Bedrock = 10%; Boulder= 70%; Cobble = 20%	
Livestock = not present			
Drainage Pipes = 0			
Overall rating = excellent			

Table 6. Habitat Assessment of BCR3.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	18
2	Embeddedness	19
3	Velocity/Depth Regimes	20
4	Sediment Deposition	18
5	Channel Flow Status	20
6	Channel Alteration	13
7	Frequency of Riffles	14
8	Condition of Banks	15
9	Bank Vegetative Protection	18
10	Riparian Vegetative Zone Width	13
	Total	168

Table 7. Riparian area assessment of BCR4.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	3	3
2	Riparian Vegetation Type	5	5
3	Riparian Vegetation Thickness	6	6
4	Bank Vegetation Type	9	9
5	Bank Vegetation Thickness	5	5
6	Bank Stability	9	9
7	Water Pathways	9	9
8	Channel Modification	8	
9	Shading (Canopy Cover)	6	
10	In-stream Cover	3	
11	Embeddedness	9	
12	Aquatic Vegetation	7	
Physical Description of Site			
Dominant Land Use = Lawn			
Substrate Classification		Cobble = 85%; Course Gravel = 15%	
Livestock = not present			
Drainage Pipes = 0			
Overall rating = marginal			

Table 8. Habitat Assessment of BCR4.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	18
2	Embeddedness	16
3	Velocity/Depth Regimes	20
4	Sediment Deposition	18
5	Channel Flow Status	19
6	Channel Alteration	13
7	Frequency of Riffles	17
8	Condition of Banks	15
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	8
	Total	164

Table 9. Riparian area assessment of BCR6.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	4	7
2	Riparian Vegetation Type	6	10
3	Riparian Vegetation Thickness	6	9
4	Bank Vegetation Type	2	7
5	Bank Vegetation Thickness	6	9
6	Bank Stability	6	6
7	Water Pathways	6	9
8	Channel Modification	9	
9	Shading (Canopy Cover)	8	
10	In-stream Cover	6	
11	Embeddedness	7	
12	Aquatic Vegetation	7	
Physical Description of Site			
Dominant Land Use = Pasture			
Substrate Classification		Cobble = 80%; Course Gravel = 20%	

Livestock = not present			
Drainage Pipes = 0			
Overall rating = good			

Table 10. Habitat Assessment of BCR6.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	14
2	Embeddedness	12
3	Velocity/Depth Regimes	18
4	Sediment Deposition	14
5	Channel Flow Status	17
6	Channel Alteration	19
7	Frequency of Riffles	10
8	Condition of Banks	13
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	18
	Total	155

Table 11. Riparian area assessment of BCR7 (site 144)

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	4	6
2	Riparian Vegetation Type	4	8
3	Riparian Vegetation Thickness	7	9
4	Bank Vegetation Type	6	10
5	Bank Vegetation Thickness	10	10
6	Bank Stability	10	10
7	Water Pathways	7	7
8	Channel Modification	8	
9	Shading (Canopy Cover)	10	
10	In-stream Cover	6	
11	Embeddedness	7	
12	Aquatic Vegetation	9	
Physical Description of Site			
Dominant Land Use = Lawn			
Substrate Classification		Boulder = 15%; Cobble = 60%; Course Gravel = 15%	
Livestock = not present			
Drainage Pipes = 0			
Overall rating = good			

Table 12. Habitat Assessment of BCR7 (site 144).

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	12
2	Embeddedness	18
3	Velocity/Depth Regimes	7
4	Sediment Deposition	18
5	Channel Flow Status	17
6	Channel Alteration	15
7	Frequency of Riffles	5
8	Condition of Banks	19
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	14

Table 13. Riparian area assessment of BCR8 (site 147)

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	10	4
2	Riparian Vegetation Type	10	7
3	Riparian Vegetation Thickness	10	6
4	Bank Vegetation Type	10	7
5	Bank Vegetation Thickness	10	8
6	Bank Stability	9	4
7	Water Pathways	10	9
8	Channel Modification	7	
9	Shading (Canopy Cover)	10	
10	In-stream Cover	8	
11	Embeddedness	n/a	
12	Aquatic Vegetation	n/a	
Physical Description of Site			
Dominant Land Use = Lawn			
Substrate Classification	Could not be scored because of turbidity		
Livestock = not present			
Drainage Pipes = 0			
Overall rating = good			

Table 14. Habitat Assessment of BCR8 (site 147).

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	9
2	Embeddedness	12
3	Velocity/Depth Regimes	5
4	Sediment Deposition	15
5	Channel Flow Status	15
6	Channel Alteration	16
7	Frequency of Riffles	4
8	Condition of Banks	19
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	15
	Total	130

Table 15. Riparian area assessment of BCW2.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	3	3
2	Riparian Vegetation Type	2	7
3	Riparian Vegetation Thickness	5	9
4	Bank Vegetation Type	4	8
5	Bank Vegetation Thickness	4	4
6	Bank Stability	6	6
7	Water Pathways	8	8
8	Channel Modification	6	
9	Shading (Canopy Cover)	7	
10	In-stream Cover	7	
11	Embeddedness	6	
12	Aquatic Vegetation	7	
Physical Description of Site			

Dominant Land Use = Lawn	
Substrate Classification	Cobble=5%; C. Gravel=75%; F. Gravel=10%; Sand=10%
Livestock = not present	
Drainage Pipes = 1	
Overall rating = good	

Table 16. Habitat Assessment of BCW2.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	14
2	Embeddedness	13
3	Velocity/Depth Regimes	20
4	Sediment Deposition	8
5	Channel Flow Status	16
6	Channel Alteration	11
7	Frequency of Riffles	19
8	Condition of Banks	13
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	10
	Total	144

Table 17. Riparian area assessment of BCW3.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	3	2
2	Riparian Vegetation Type	8	2
3	Riparian Vegetation Thickness	8	4
4	Bank Vegetation Type	7	4
5	Bank Vegetation Thickness	4	4
6	Bank Stability	4	4
7	Water Pathways	7	7
8	Channel Modification	3	
9	Shading (Canopy Cover)	4	
10	In-stream Cover	8	
11	Embeddedness	8	
12	Aquatic Vegetation	8	
Physical Description of Site			
Dominant Land Use = Lawn			
Substrate Classification	Cobble = 50%; Coarse Gravel = 35%; Fine Gravel = 15%		
Livestock = not present			
Drainage Pipes = 1			
Overall rating = marginal			

Table 18. Habitat Assessment of BCW3.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	16
2	Embeddedness	12
3	Velocity/Depth Regimes	10
4	Sediment Deposition	10
5	Channel Flow Status	18
6	Channel Alteration	10
7	Frequency of Riffles	5
8	Condition of Banks	10

9	Bank Vegetative Protection	15
10	Riparian Vegetative Zone Width	5
	Total	111

Table 19. Riparian area assessment of BCW4.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	4	4
2	Riparian Vegetation Type	5	4
3	Riparian Vegetation Thickness	6	6
4	Bank Vegetation Type	2	4
5	Bank Vegetation Thickness	7	7
6	Bank Stability	7	7
7	Water Pathways	8	8
8	Channel Modification	7	
9	Shading (Canopy Cover)	2	
10	In-stream Cover	6	
11	Embeddedness	5	
12	Aquatic Vegetation	5	
Physical Description of Site			
Dominant Land Use = Pasture			
Substrate Classification	Cobble = 15%; Coarse Gravel = 75%; Fine Gravel = 10%		
Livestock = present but fenced from stream			
Drainage Pipes = 0			
Overall rating = marginal			

Table 20. Habitat Assessment of BCW4.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	14
2	Embeddedness	14
3	Velocity/Depth Regimes	15
4	Sediment Deposition	18
5	Channel Flow Status	16
6	Channel Alteration	15
7	Frequency of Riffles	12
8	Condition of Banks	18
9	Bank Vegetative Protection	20
10	Riparian Vegetative Zone Width	5
	Total	147

Table 21. Riparian area assessment of BCW5.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	4	4
2	Riparian Vegetation Type	2	3
3	Riparian Vegetation Thickness	7	7
4	Bank Vegetation Type	8	8
5	Bank Vegetation Thickness	6	9
6	Bank Stability	8	3
7	Water Pathways	9	9
8	Channel Modification	6	
9	Shading (Canopy Cover)	6	
10	In-stream Cover	5	
11	Embeddedness	4	

12	Aquatic Vegetation	5
Physical Description of Site		
Dominant Land Use = Pasture		
Substrate Classification	Cobble = 75%; Coarse Gravel = 25%	
Livestock = not present		
Drainage Pipes = 0		
Overall rating = good		

Table 22. Habitat Assessment of BCW5.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	12
2	Embeddedness	10
3	Velocity/Depth Regimes	12
4	Sediment Deposition	15
5	Channel Flow Status	19
6	Channel Alteration	15
7	Frequency of Riffles	5
8	Condition of Banks	13
9	Bank Vegetative Protection	16
10	Riparian Vegetative Zone Width	10
	Total	127

Table 23. Riparian area assessment of BCW6.

Parameter	Parameter Description	Left Bank Score	Right Bank Score
1	Riparian Buffer Width	4	2
2	Riparian Vegetation Type	4	2
3	Riparian Vegetation Thickness	5	5
4	Bank Vegetation Type	8	8
5	Bank Vegetation Thickness	7	7
6	Bank Stability	4	4
7	Water Pathways	3	3
8	Channel Modification	3	
9	Shading (Canopy Cover)	3	
10	In-stream Cover	8	
11	Embeddedness	3	
12	Aquatic Vegetation	5	
Physical Description of Site			
Dominant Land Use = Lawn			
Substrate Classification	Boulder = 75%; Cobble = 15%; Coarse Gravel = 10%;		
Livestock = not present			
Drainage Pipes = 0			
Overall rating = marginal			

Table 24. Habitat Assessment of BCW6.

Parameter	Parameter Description	Score
1	Instream Cover and Epifaunal Substrate	13
2	Embeddedness	15
3	Velocity/Depth Regimes	5
4	Sediment Deposition	10
5	Channel Flow Status	13
6	Channel Alteration	10



7	Frequency of Riffles	5
8	Condition of Banks	10
9	Bank Vegetative Protection	15
10	Riparian Vegetative Zone Width	10
	Total	106

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