

RipRAM Basic Information Sheet

Assessment Area Name:		
Project Name:		
Assessment Area ID #:		
Project ID #:	Date:	
Assessment Team Members for This AA:		
Average Bankfull Width (visual estimate when conducting the assessment from a bridge):		
Approximate Length of AA (10 times bankfull width, min 100 m, max 200 m):		
Downstream Point Latitude:	Longitude:	Datum:
Upstream Point Latitude:	Longitude:	
Upstream Projection Point Latitude:	Longitude:	
<p>Stream confinement:</p> <p style="text-align: center;"> <input type="checkbox"/> Confined <input type="checkbox"/> Non-confined </p> <p>In non-confined riverine systems, the width of the valley across which the system can migrate without encountering a hillside, terrace, or other feature that is likely to prevent further migration is at least twice the average bankfull width of the channel. In confined riverine systems, the width of the valley across which the system can migrate without encountering a hillside, terrace, man-made levee, or urban development is less than twice the average bankfull width of the channel.</p>		
<p>AA Category:</p> <p> <input type="checkbox"/> Restoration <input type="checkbox"/> Mitigation <input type="checkbox"/> Ambient <input type="checkbox"/> Reference <input type="checkbox"/> Other: </p>		
<p>Did the river/stream have flowing water at the time of the assessment? <input type="checkbox"/> yes <input type="checkbox"/> no</p>		
<p>What is the apparent hydrologic flow regime of the reach you are assessing?</p> <p>The hydrologic flow regime of a stream describes the frequency with which the channel conducts water. <i>Perennial</i> streams conduct water all year long, whereas <i>ephemeral</i> streams conduct water only during and immediately following precipitation events. <i>Intermittent</i> streams are dry for part of the year, but conduct water for periods longer than ephemeral streams, as a function of watershed size and water source.</p> <p style="text-align: center;"> <input type="checkbox"/> perennial <input type="checkbox"/> intermittent <input type="checkbox"/> ephemeral </p>		

Photo Identification Numbers and Description:			
	Photo ID No.	Description	Comments
1		Upstream left bank	
2		Upstream right bank	
3		Middle left	
4		Middle right	
5		Downstream left bank	
6		Downstream right bank	

Site Location Description:

General Comments:

Regional Water Board Priorities:

- In very good condition-protect
- In good condition-maintain
- Condition can improve, opportunity for restoration
- Site specific regulatory follow up recommended
- Other:

RipRAM Scoring Sheet

AA Name:			Date:
Metric	Raw Score	Final Score	Comments
Metric 1: Total Riparian Cover			
Metric 2: Vegetation Cover Structure			
Metric 3: Vegetation Cover Quality			
Metric 4: Age Diversity and Natural Regeneration			
Metric 5: Riparian Vegetation Width			
Metric 6: Riparian Substratum Condition and Vertical Connectivity			
Metric 7: Macroinvertebrate Habitat Patch Richness			
Metric 8: Anthropogenic Alterations to Channel Morphology			
Index Score (Average of 8 metric scores)			

Metric 1: Total Riparian Cover Worksheet

Base Score	Description
	Riparian Cover Includes Trees, Shrubs, and Helophytes, but not Annuals
25	>80% of riparian cover (excluding annual plants)
10	50 - 80% of riparian cover
5	10 -50% of riparian cover
0	<10% of riparian cover
BASE SCORE MODIFIERS:	
+10	If the connectivity between riparian forest and adjacent woodland area is complete (assess both sides of the stream corridor)
+5	If the connectivity is higher than 50% in total (assess both sides of the stream corridor in aggregate)
-5	If the connectivity is between 25 - 50% in total (assess both sides of the stream corridor in aggregate)
-10	If the connectivity is <25% in total (assess both sides of the stream corridor in aggregate)
	Total Score
	Raw Metric Score

Metric 2: Vegetation Cover Structure Worksheet

Base Score	Description
25	>75% of tree cover
10	50-75% of tree cover OR <50% of tree cover with >25% shrub cover
5	Tree cover <50% with shrub cover between 10 - 25%
0	Tree cover <50% with shrub cover <10%
BASE SCORE MODIFIERS (choose all that apply):	
+10	At least 50% of the upper channel zone has helophytes or shrubs (may include shrubs that are rooted above the channel zone and hang down into it, such as blackberry vines)
+5	25 - 50% of the upper channel zone has helophytes or shrubs
+5	trees and shrubs are in the same patches throughout the AA and have overlap
-5	understory is dominated by invasive species, excluding grasses (>50% of AA)
-5	trees and shrubs are in separate patches, without continuity or overlap
-10	understory is heavily grazed, cleared or mowed(>25% of AA)
	Total Score
	Raw Metric Score

Metric 3: Vegetation Cover Quality Worksheet

Left Bank	Right Bank	Island value	Hard substrate value (natural only)	Stream Class Score	Stream Type

Metric 3: Tree Species in AA

Species Name	Native?	Codominant?

Metric 3: Shrub Species in AA

Species Name	Native?

Metric 3: Vegetation Cover Quality Worksheet

Base Score	Description	Stream Type 1	Stream Type 2	Stream Type 3
25	Number of codominant native tree species	≥3	≥5	≥7
10	Number of codominant native tree species	2	4	6
5	Number of codominant native tree species	1	≤3	≤5
0	Absence of codominant native tree species			
BASE SCORE MODIFIERS:				
+10	If tree community is continuous along river and covers ≥75% of the channel edge of the riparian area			
+5	Tree community is nearly continuous and covers 50-75% of the channel edge of the riparian area			
+5	if the riparian community is structured in gallery			
+5	The number of native shrub species (a woody plant smaller than a tree, usually having multiple permanent stems branching from or near the ground)	≥4	≥5	≥6
-5	If there are some man-made structures in the riparian area that displace plant communities			
-5	If there are some <u>isolated</u> species of non-native trees/shrubs/vines/herbs			
-10	If there is a presence of <u>communities</u> of non-native trees/shrubs/vines/herbs			
-10	Presence of high amounts of garbage in the riparian zone (e.g. homeless encampments) that displace or degrade plant communities			
	Total Score			
	Raw Metric Score			

Metric 4: Age Diversity and Natural Regeneration Worksheet

Left Bank	Right Bank
Average (Raw Metric Score)	

Metric 5: Riparian Vegetation Width Worksheet

Left Bank	Right Bank
Average (Raw Metric Score)	

Metric 6: Riparian Substratum Condition and Vertical Connectivity Worksheet

Left Bank	Right Bank
Average (Raw Metric Score)	

Metric 7: Habitat Patch Richness Worksheet

Habitat type	Presence (at least 3m ²)
Cobbles and Boulders > 64 mm; tennis ball size and larger (within channel bottom)	
Coarse gravel 16 – 64 mm; marble to tennis ball (within channel bottom)	
Fines and Sand 2 mm or less in size (within channel bottom)	
Leaf packs (within channel bottom or interacting with floodplain)	
Fine woody debris (within channel bottom or interacting with floodplain)	
Large (or coarse) woody debris (within channel bottom or interacting with floodplain)	
Overhanging vegetation (within channel bottom or interacting with floodplain)	
Aquatic vegetation (within channel bottom)	
Total Number of habitat types	
Base Score Modifiers	
Percent fines and sand greater than 40% (within channel bottom)	-1
Greater than 25% of the wetted channel has helophyte cover	-1
>50% cover of floating algae mats in channel	-1
Total Score	
Raw Metric Score	

Metric 8: Anthropogenic Alterations to Channel Morphology

Submetric 8.1 Hydromodification Scoring Table

Base Score:	
25	CEM type 1
15	CEM type 2 or CEM type 5
10	CEM type 3
10	CEM type 4
0	Artificially reinforced or constructed channel (concrete, riprap, levee, etc., and excluding immediate bridge area) OR agricultural drainage ditch
Base Score modifiers:	
-10	Existing wetland areas in the riparian zone adjacent to the stream channel have become isolated from flood flows due to incision or levees
-10	Transverse structures into the channel (e.g. weirs or paved stream crossings, drop structures)
-5	Indicators of active and severe erosion, undercutting and degradation of bank present (e.g. abundant bank slides, scoured banks, riparian veg falling into stream, knick points, etc.)
-5	If fresh splays of sediment have filled or covered the channel or floodplain
Total Score for submetric 8.1	
Raw Metric Score	

Submetric 8.2 Channel Modification Worksheet

Left Bank	Right Bank
Average (Raw submetric 8.2 Score)	

Metric 8 Final Raw Score (the average of the two raw submetric scores)

Submetric 8.1 raw score	Submetric 8.2 raw score
Average (Metric 8 raw score)	