

# Riparian Rx

## Data Sheet

Name:	Date:
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The riparian zone is:

What are the components of a healthy riparian zone, and what are the impacts of those components ?				Word Bank for Impacts  <ul style="list-style-type: none"> <li>• Erosion</li> <li>• Temperature</li> <li>• Habitat</li> <li>• Food</li> </ul>
Component	Impact	↑ or ↓	Reason (how)	
<b>Shade</b>				
<b>Trunks/Limbs</b>				
<b>Roots</b>				
<b>Leaves</b>				

Objective 1.0: Measure Temperature Effects of Shade

Time: \_\_\_\_\_

Temperature of Water (Degrees Fahrenheit)		
	Predicted	Actual
River		
Shaded Bucket		
Unshaded Bucket		
Salmon prefer rivers that are about 65°F or colder.		

Dissolved Oxygen in Water (mg/L)		
	Predicted	Actual
River		
Shaded Bucket		
Unshaded Bucket		
Salmon prefer rivers that have 10mg/L or more of dissolved oxygen.		

Objective 2.0: Complete a Vegetation Transect.

Riparian Vegetation Transect: Plot Size _____ Interval _____										
Record a check mark in each species that is present at the interval.										
	Alder	Cotton-wood	Choke-cherry	Snow-berry	Haw-thorne	Maple	Red Osier	Service-berry	Woods Rose	Total
0ft										
10ft										
20ft										
30ft										

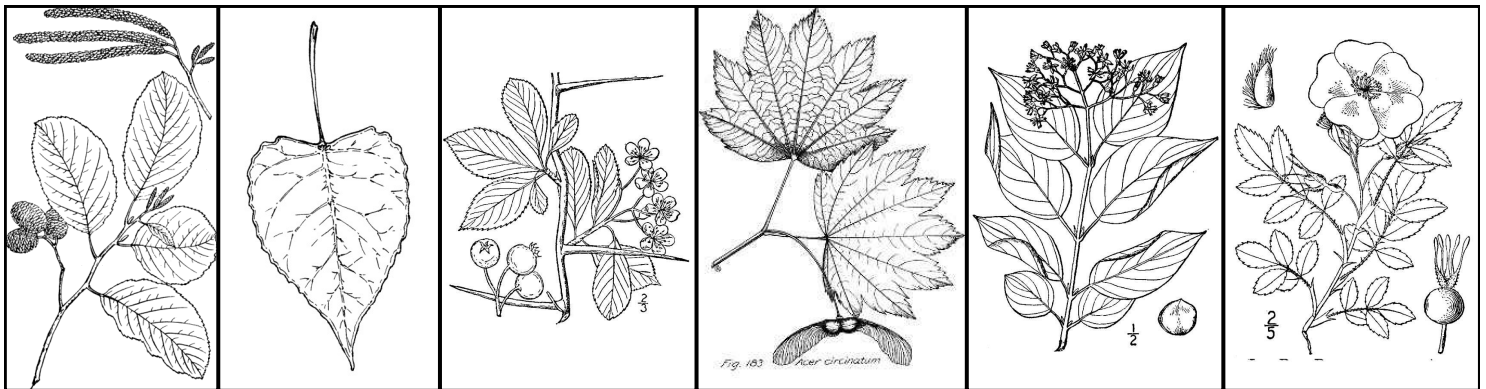
Objective 3.0: Measure Overhead Canopy Coverage

Overhead Canopy Cover (0%, 25%, 50%, 75%, or 100%)	
0ft	
10ft	
20ft	
30ft	



What would happen if there was no riparian zone in a river?

Plant Identification:



Alder  
*Alnus viridis*

Cottonwood  
*Populus trichocarpa*

Hawthorne  
*Crataegus douglasii*

Vine Maple  
*Acer circinatum*

Red Osier Dogwood  
*Cornus sericea*

Woods Rose  
*Rosa woodsii*

Source of Photos:

USDA, NRCS. 2016. The PLANTS Database (<http://plants.usda.gov>, 5 April 2016). National Plant Data Team, Greensboro, NC 27401-4901 USA.