

Name: _____

Date: _____

Observation of creek - testing site.

Restoration level (circle): Restored Not restored

Location: _____

Ecology

1. What animal life would you expect to see in and around the creek area?

2. How much canopy cover is there over and around the creek? Tick.

Little canopy cover
(lots of sunlight gets through)

Moderate canopy cover

Lots of canopy cover
(little sunlight gets through)

3. Imagine an area that is about 4m x 4m square with one edge of your square being the creek bank. Fill in the table below to describe the habitat and plant life by the creek at ground level.

Type of plant/habitat	Abundance at ground level (%)	Prevents erosion. (✓)
Trees		
Shrubs/small plants		
Grasses		
Woody debris/leaf litter		
Bare earth		
Total:	100%	

4. Can you see any evidence of erosion? What do you think has caused it? What would help to prevent this?

5. How complex is the waterway? Are there lots of different places for aquatic life to live in e.g. riffles, ponds, instream vegetation (submerged, emergent, floating), overhanging vegetation, logs, rocks etc.

Climate

6. Describe the weather today, over the past week and over the past month. Consider the temperature and rainfall.

	Today	Past Week	Past Month
Temperature			
Rainfall			

7. Describe the level and colour of the water in the creek?

Level: _____

Colour: _____

8. Do you think the weather has impacted on the level and colour of the water? Yes / No
Explain your answer.

Visible pollutants

9. Can you see any sign of pollution in or around the creek? Record the different types.

10. Can you see any stormwater drains nearby that may feed rain water into the creek? What potential pollutants might be washed through these stormwater drains?

Water Quality Analysis – testing site.

Record the results of the water quality analysis in the table below.

Date: _____

Site restoration level (circle): Restored Not restored

Location: _____

Visible data		Measured data	
	Results		Results
Depth (m)		Temperature (°C)	
Width (m)		pH	
Flow		Conductivity ($\mu\text{S}/\text{cm}$)	
Visibility		Dissolved O ₂ (mg/L)	
Odour		Turbidity (NTU)	
Foaming			
Algae (% cover)			