

Name: _____

Date: _____

Part A: Observation of testing site.

Site 1 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: _____

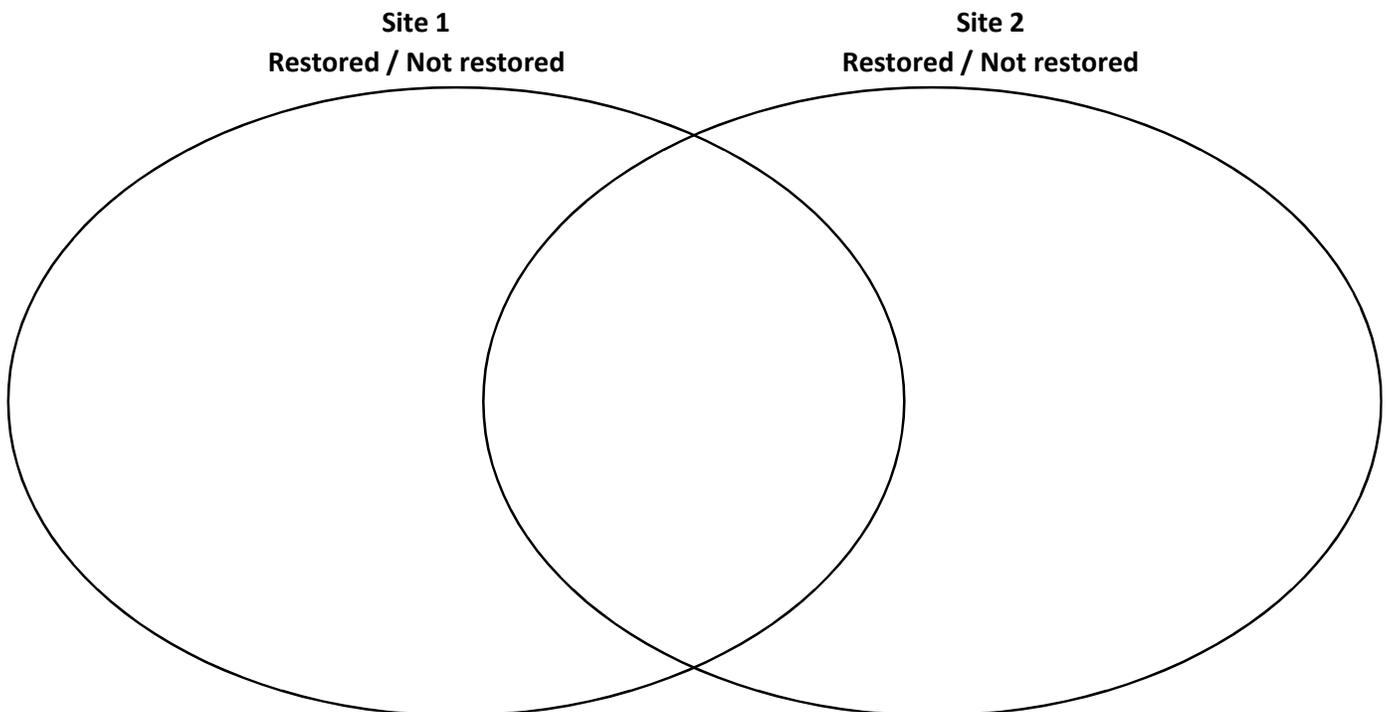
8. Do you think the weather has impacted on the level and colour of the water? Yes / No
Explain your answer.

Part B: Comparison of testing site with another area of the creek.

Describe the differences and similarities between the two sites. Consider shade, types of plants, abundance of plants, complexity of habitat, evidence of erosion etc.

Site 2 restoration level (circle): Restored Not restored

Location: _____



Part C: Water Quality Analysis

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

Date: _____

Site (circle): Site 1 Site 2

Site restoration level (circle): Restored Not restored

Location: _____

| | Site 1 | Site 2 | | Site 1 | Site 2 |
|----------------------------------|--------|--------|---|--------|--------|
| Upstream / Downstream | | | | | |
| Depth (m) | | | Temperature (°C) | | |
| Width (m) | | | pH | | |
| Flow | | | Conductivity (µS/cm) | | |
| Visibility | | | Dissolved O₂ (mg/L) | | |
| Odour | | | Turbidity (NTU) | | |
| Foaming | | | | | |
| Algae (% cover) | | | | | |