

# Restoration Project Guide



Use this guide as you work on your design to ensure that the following relevant discussion points are incorporated.

## I. Topography

Consider the topography of your site.

- A. Locate hills.
- B. Locate lowlands.
- C. Locate sources of water.
- D. Locate areas of moist soils.
- E. Locate areas of dry soils.

## II. Plants

A. Using the following chart, decide which plants would be most suitable for the site considering the plant's requirements for space, soil, sunlight, water, and temperature:

Plant	Space	Soil	Sunlight	Water	Temperature

- B. What improvements could be made to allow for a greater variety of species? (e.g., water sources)
- C. Consider two plants that have the same requirements. How will competition between them be handled?

## III. Animals

A. Using the following chart, decide which animals would be best suited for the site when considering the animal's requirements for space, food, shelter, and water.

Animal	Space	Food	Shelter	Water

- B. What improvements could be made to allow for a greater variety of species? (e.g., water sources) Are there any features that could be constructed to increase diversity or aid in resilience?
- C. Consider two animals that have the same requirements. How can this competition be avoided or managed?

## IV. Interactions

- A. Consider consumption of one organism by another. Can excessive predation be avoided?
- B. Which plant communities will be best at supporting which animals?
- C. Create a food web for your design.

