



# Forestry Ecosystem Exploration

## Site Data Sheet

Site # \_\_\_\_\_ Name of Site: \_\_\_\_\_

General Location: \_\_\_\_\_

Sketch your sample plot:

**Ecological Factors:**

*(see Student Guide for examples)*

Sunlight: \_\_\_\_\_

Water: \_\_\_\_\_

Space: \_\_\_\_\_

Canopy: \_\_\_\_\_

Vegetation Layers: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Soil Texture: \_\_\_\_\_

Organic Matter: \_\_\_\_\_

Other Notes: \_\_\_\_\_

\_\_\_\_\_

Ecosystem Name: \_\_\_\_\_

Evidence of Disturbance: \_\_\_\_\_

\_\_\_\_\_

<b>Species</b>	<b># of individuals</b>	<b>Species</b>	<b># of individuals</b>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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**Site Analysis**

What is the plant *Species Richness* (*total number of species*) of your site? \_\_\_\_\_

*Species Abundance* - Which species are most abundant? Why do you think that is?

*Species Evenness* - Do all species have roughly the same abundance, or are there a few species that dominate the ecosystem? Why might this happen?

Using your knowledge of all the species found in your sample plot, explain why these particular species occur here:

What adaptations do the most common species have that make them successful in this ecosystem?

Are there any species that you found that you did not expect? Why do you think these species are present?

What are some types of disturbance that you might expect in this ecosystem (both natural and human-caused)? What effects do you think these disturbances would create in the ecosystem?

Other observations: