FOREST SUSTAINABILITY
Data Summary Worksheet

FOREST INVENTORY

1.   How many different species of trees were found within your sample area? Calculate the number of trees that would be present:

A) Per Hectare : one (1) hectare = 10, 000 m²

B) Per Acre: one (1) hectare = 2.54 acres

2.   Which species of tree demonstrated the best growing results both in diameter and height?

3.   How could this site be improved to increase the amount of diversity?

SOILS

1.   Soil is the foundation of any forest. From the information and data you collected, what are some conclusions you have made regarding the soil at this site?

2.   Can anything be done to improve soil quality?

SITE REGENERATION

1.   The number and species of tree seedlings found in the understory will determine the species composition of the next generation. If the forest was harvested, the seedlings on the ground would grow rapidly and develop into the next forest stand. Based on the sample taken, determine how many seedlings per hectare exist by individual species.
Area of the sample plot = 1m radius
Hectare = 10, 000m²

2.   Based on the information and knowledge that you have at the present time, what could be done to increase the amount and/or quality of regeneration present on this site?

TREES

1.   The tree that you selected as your sample tree is a dominant tree. This means that this tree is an example of the capability that this site is able to produce. What factors, then are affecting the majority of the tree in this area and preventing them from reaching their full potential?

2.   Using a graph, demonstrate the growth pattern of the tree you sampled in five year increments?

3.   Based on the information and the knowledge you have at the present time, what does this site require to improve the growth rate of the trees established here?

BIODIVERSITY

1.   How many different types of living things were found within your sample plot? (use a graph of your choice to demonstrate your results).

2.   What do you think were the contributing factors to the lack of biodiversity within your sample area?

3.   What things could be done to promote and increase diversity at this site?

CONCLUDING QUESTIONS

1.   What is your overall assessment of this forest?

2.   If this forest was your responsibility what, if anything would your action plan be to ensure the sustainability of it?