

2a)

An environmental survey quality survey could be conducted along the footpaths from the start to the end. This would show many variables, such as pollution and litter, along the selected transects as well as the extent of which they are being affected.

Another human gathering technique is that a human footfall survey could be carried out along the footpaths. Tally marks would be put ~~fore~~ for each person into a box under the correct direction that they were heading in. This would help for Sussex Wildlife Trust to see if large numbers of people really are affecting the environment of the Nature Reserve.

A physical gathering technique is that a vegetation analysis could be carried. This could be done in such a way that a quadrat is placed down next to the footpaths at several sites and the number of trampled plants and exposed ~~footpath~~^{soil} erosion is recorded down.

The Sussex Wildlife Trust could also test the ~~soil texture~~ compaction of the soil. This could ~~do~~ be done by testing the texture of the soil next to the path as it may indicate that the soil that is more densely packed has been stood on by the tourists.

bi) Systematic Sampling is an appropriate method to use here as there is nothing that greatly ~~impacts~~ ~~the~~ changes in the Nature Reserve from one end to the other.

Systematic sampling would allow for samples to be taken across the whole transect. This ensures that samples are taken across the whole area and no section is missed out.

However, if too few samples are taken it is possible that large sections of data will be missed out which may be vital in the analysis and explanation of results between

vegetation and microclimate.

bii)

The salty water from Eye Bay can affect the vegetation. It is possible that plants that can thrive in alkaline conditions will be found near the shore. This is because the salt water will wash onto the Nature reserve and change the pH of the soil here by infiltrating the soil moisture store and depositing the salt on the soil.

At the back of the ~~the~~ beach, plants that don't require much water may be found here. This is because the plants here will only rely on rainfall as they are too far back from the shoreline.

Soil moisture ~~with~~ ~~the~~ is also a factor. Where there is an abundance of water, like in boggy land, plants that are more suited to these conditions will be found here.

At the shoreline, strong winds will be felt by plants here. It is possible that these strong winds will result in plants with deep ~~to~~ root systems to develop here as they will be able to withstand the strong winds.