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Day 3: Morphological Taxonomy

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ABSTRACT

Day 3: ADE practical instructions for morphological identifications

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ABSTRACT

Day 3: ADE practical instructions for morphological identifications

TRADITIONAL AND MODERN APPROACHES TO THE STUDY OF BIODIVERSITY

Day 3: Diversity Blitz Using Taxonomic Keys

Today we wan to identify as many of our specimens as we can and enter our IDs into a class database so that we can determine the total amount of diversity on Balckford hill, and compare between the meadow and forest habitats. Once the data is compete, we will know how much of the diversity present we were able to sample with our effort:

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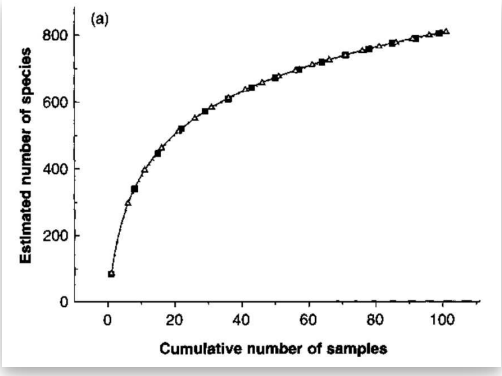

A species accumulation curve which gives an indication of how close we come to estimating the total diversity present

Retrieve all your frozen specimens, both the ones used for DNA barcoding and those in the "Everything Else" bag. You do not need to keep these separate anymore. Today, you will use taxonomic keys to identify all your specimens to species, or as close as you can get.

Use the binocular microscope, hand lenses and the taxonomic keys provided to try to identify your specimens to species (where possible). You should always get them to Order and in many groups to Genus, with little difficulty. Make careful notes as to how and why you arrived at your final taxonomic diagnosis for each of your specimens. Drawings can be helpful.

Enter your identifications into the class data base on google docs so we can gather all the data. Make sure you do this. You will need this data down the line.

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