

The Biodiversity Metric 2.0

auditing and accounting for biodiversity

Calculation Tool: Short Guide

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Further information

Natural England evidence can be downloaded from our [Access to Evidence Catalogue](#). For more information about Natural England and our work see [Gov.UK](#). For any queries contact the Natural England Enquiry Service on 0300 060 3900 or e-mail enquiries@naturalengland.org.uk .

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The Biodiversity Metric 2.0 – Calculation Tool Guidance

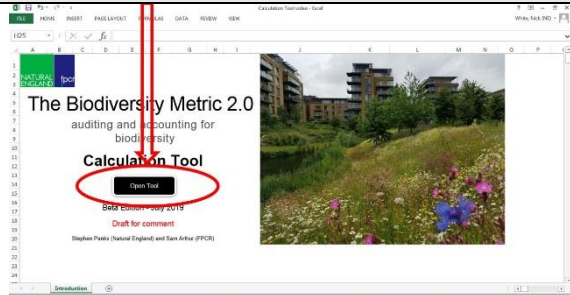
This guide shows you how to use the biodiversity metric 2.0 calculation tool in six quick steps.

Before starting you will need to know the following about your project:

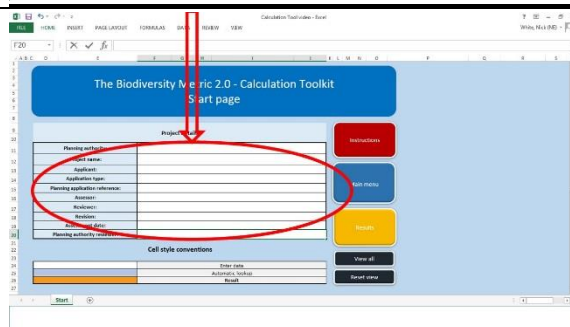
- The types of habitat involved (on-site and off-site)
- The size of each habitat parcel (in hectares or, if linear, kilometres)
- The condition of each habitat parcel
- How ecologically connected the site(s) are
- Whether the site(s) are in locations identified as local nature priorities

START

Open tool on any laptop with spreadsheet software installed. Press “Open Tool”.

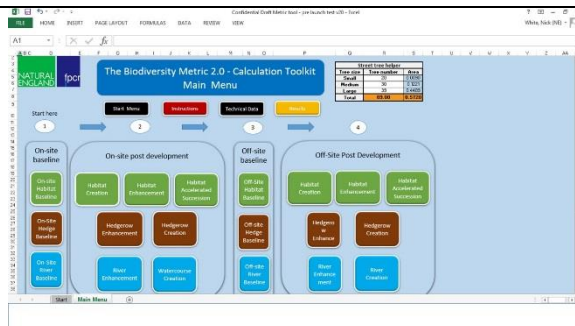


This is the start page. Input details of your project into “Project Details”. **Remember to periodically save your work.**



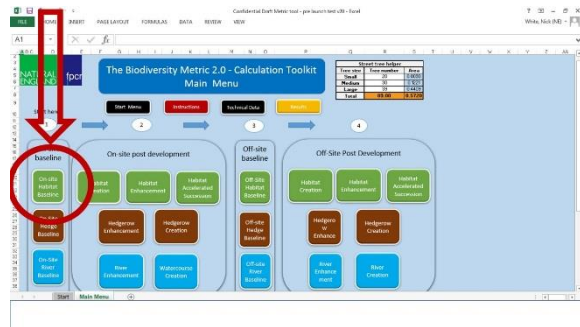
Click the “Main Menu” button. The Worksheet Menu will then open like this.

The next steps explain how to enter the key data for your project.

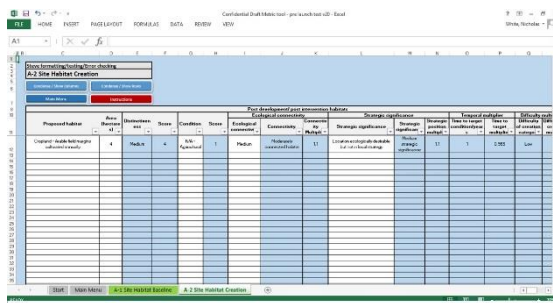


Step 1: Entering Baseline Data

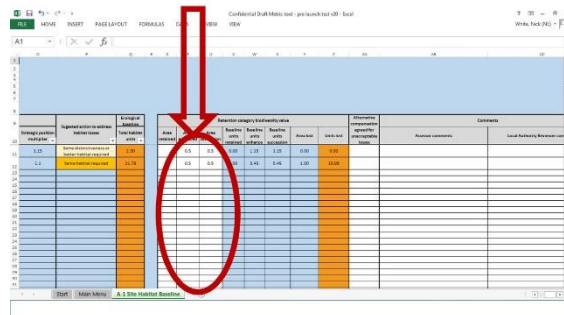
Click the green “On-site habitat baseline” button at the left hand side of the page:



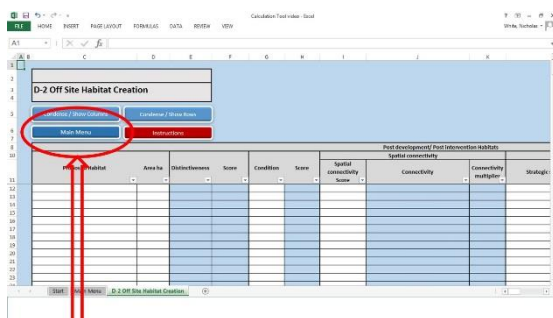
Fill in all of the white columns. Some allow you to select from drop-down lists, others (such as Area) require you to input data. The tool will start automatically populating the blue columns.



Scroll right and fill in all remaining “white” columns. Complete a new row for every habitat parcel found on site.



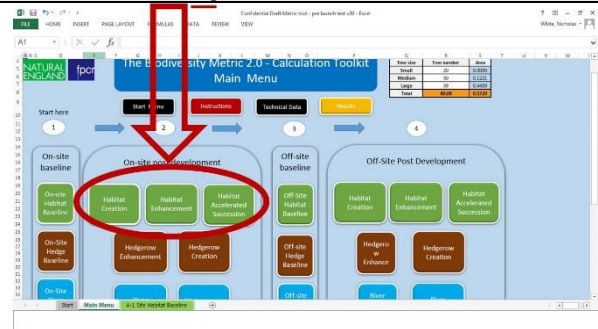
When you have finished entering all the site baseline data scroll left and click the “Main menu” button.



Step 2: Entering On- Site Post-Development Data

In the Main Menu there are three buttons to enter data; “Habitat Creation”, “Habitat Enhancement” and “Habitat Accelerated Succession”.

Data can be entered into each as appropriate by clicking the relevant green button.



When you click on each “on-site post development” button a new screen will open. Fill in each of the white columns as appropriate. You will need to complete a new row for each habitat parcel on-site.

Image shows the habitat creation screen.

Proposed habitat	Area (hectares)	Disturbance type	Score	Condition	Ecological connectivity	Connectivity	Storage significance	Storage significance multiplier	Storage significance multiplier	Time to target	Time to target multiplier	Biodiversity net gain multiplier	Biodiversity net gain multiplier
Grassland - Modified grassland	4	Medium	1	Medium	Poor	1	N/A	Connection assessment not appropriate	Moderately connected habitat			1.1	1.1

When you have finished entering data click the “Main menu” Button in the top left of the screen to return to the worksheet menu.

Habitat and area	Habitat type	Area (hectares)	Disturbance type	Score	Condition	Ecological connectivity	Connectivity	Storage significance	Storage significance multiplier	Storage significance multiplier	Time to target	Time to target multiplier	Biodiversity net gain multiplier	Biodiversity net gain multiplier
Grassland - Modified grassland	Grassland - Modified grassland	1	Low	2	Poor	1	N/A	Connection assessment not appropriate	Moderately connected habitat				1.1	1.1

Complete the “On-site habitat enhancement” and “On-site habitat accelerated succession” if needed by clicking the buttons and filling in the white columns.

When finished return to the “Main menu”.

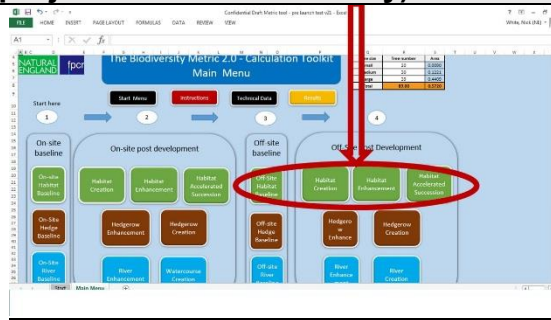


If you are seeking to achieve a biodiversity net gain outcome on-site no further data input is needed. You can now skip to “Step 4” to check the results and see whether an on-site biodiversity net gain has been achieved.

Step 3: Entering Off-Site Data (NOTE: only needed when creating or enhancing habitat outside the project 'red line' boundary)

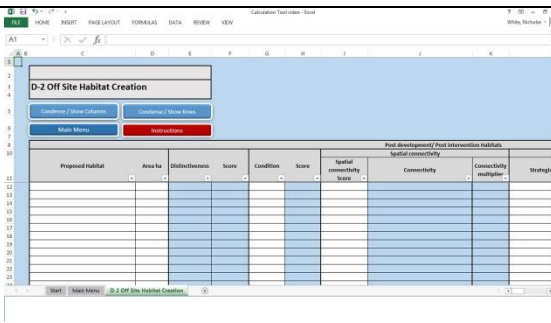
You may skip this step if you are not creating or enhancing any habitats outside your development site and proceed to Step 4.

Projects creating or enhancing any habitats outside your development ("off-site") will need to enter baseline habitat and habitat enhancement/creation data. This data can be entered using the green buttons highlighted under points 3 and 4 of the tool.

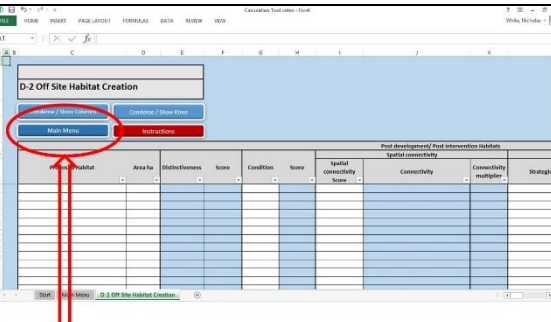


Off-site data should be entered into the white columns on each of the off-site sheets.

When entering data scroll right on the screen to ensure that all white data entry fields are completed. Complete a new row for each habitat type found off-site.

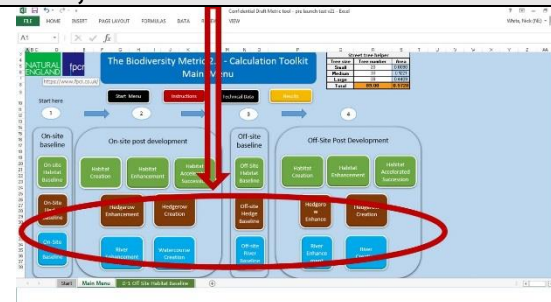


When all "off-site" data has been entered click on the 'main menu' button.

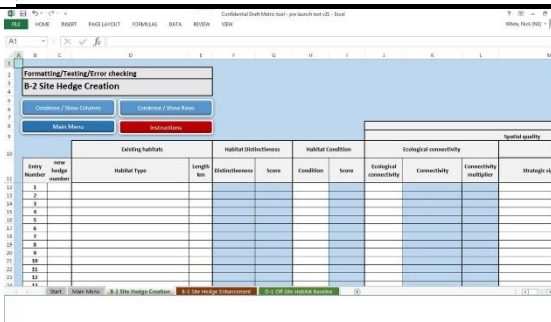


Step 4: Hedgerows, Lines of Trees, Rivers and Streams

If your project contains hedgerows, lines of trees or rivers, streams and watercourses then you will need to fill in the additional metric modules for these habitats. They are separate from the main metric as each uses a slightly different calculation.

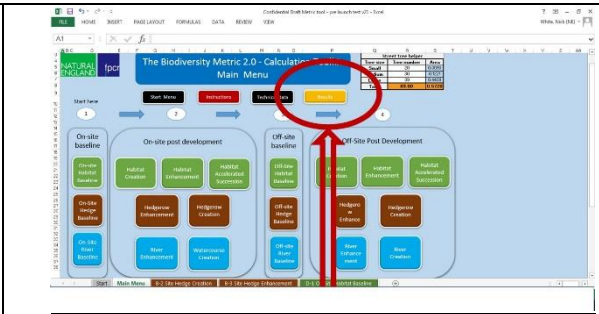


On-site and off-site project data for these habitats should be entered in the same way as for area habitats by inputting data into the white columns.

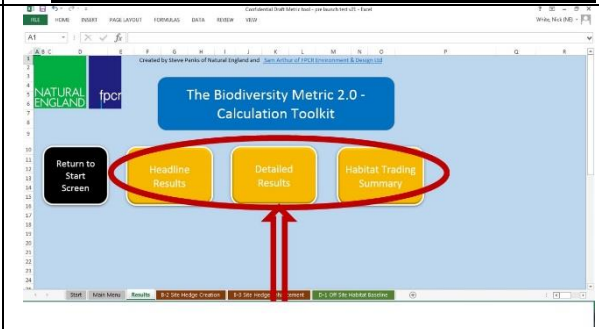


Step 5: The Results

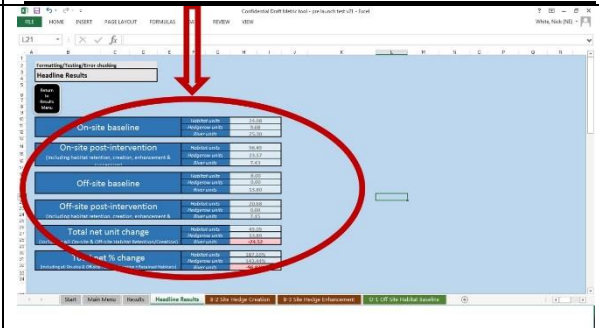
Click on the “Results” to see whether or not your project has achieved a forecast net biodiversity gain.



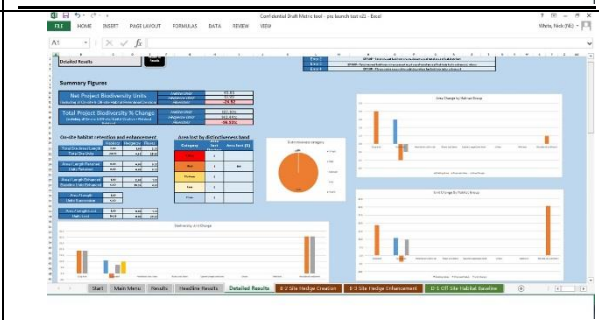
On this screen you can click to see the “headline results”, “detailed results” or the ‘habitat trading summary’. In most circumstances only the ‘headline’ or ‘detailed’ results will be needed.



The “headline results” page provides a breakdown of the biodiversity units lost and gained and the percentage loss or gain achieved in biodiversity units.

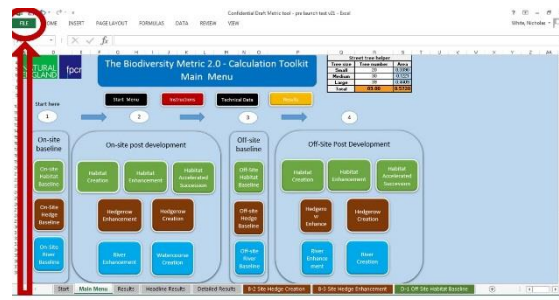


For more detailed results click the “Detailed Results” button.



Step 6: Saving and Submitting Your Assessment

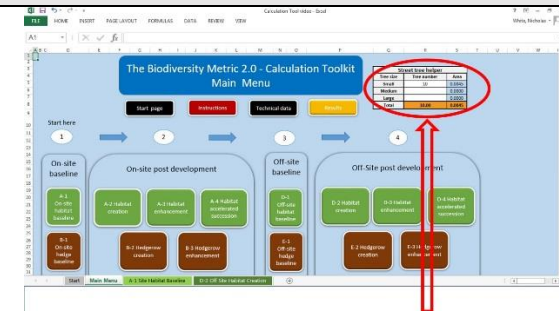
Go to save as and save the document as the same name as the user has put in the project title.



Additional Functions

Street Tree Helper

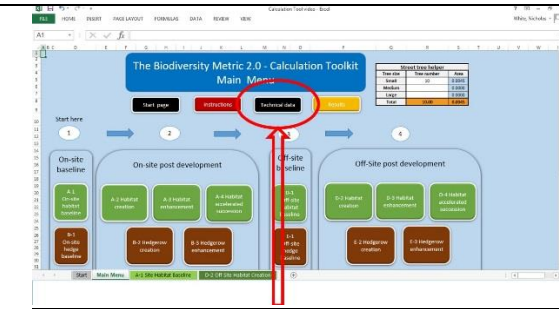
The calculation tool also comes with a street tree helper to quickly convert your street tree measurements into an area calculation to use when calculating baseline and post-intervention values for street trees. Enter the number of trees of each size type and the tool will convert this into hectares.



Technical Data

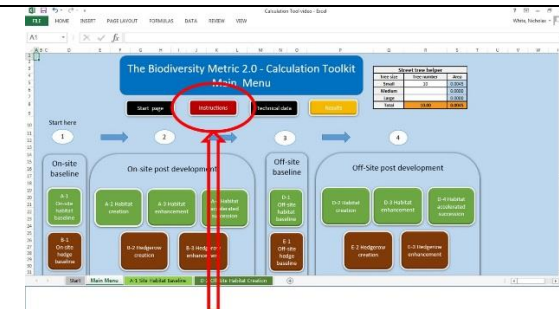
Information about all of the technical data that underpins the calculation tool can be found by clicking the “Technical data” button on the main menu

There is also a **conversion tool** embedded into the technical data section to allow for easy conversion between Phase1 and UKHab classifications.



Instructions

A copy of these instructions can be accessed at any point in the tool by pressing the red **instructions** button



Additional help and detailed instructions describing all of the functions of the calculation tool can be found in Chapter 4 of *The Biodiversity Metric 2.0 – User Guide*