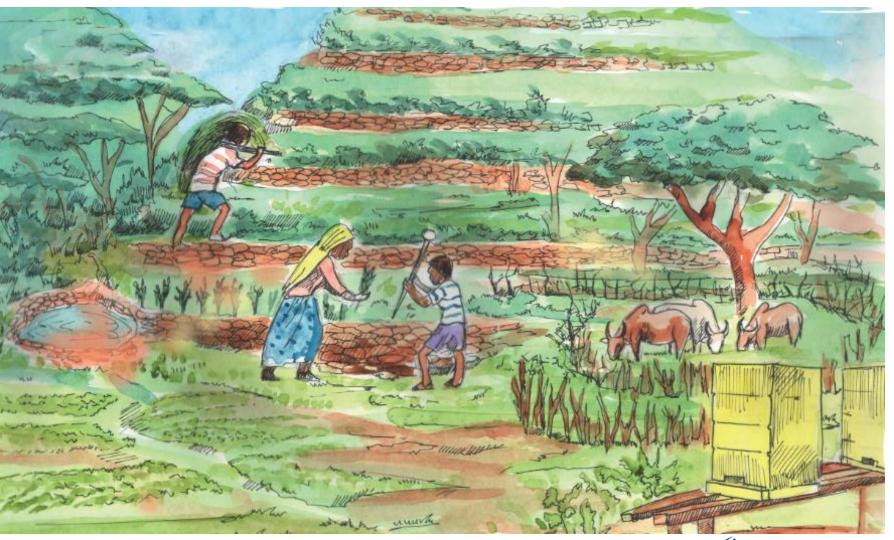
Water Benefits Calculator for Ethiopia

User Manual Version 2.0







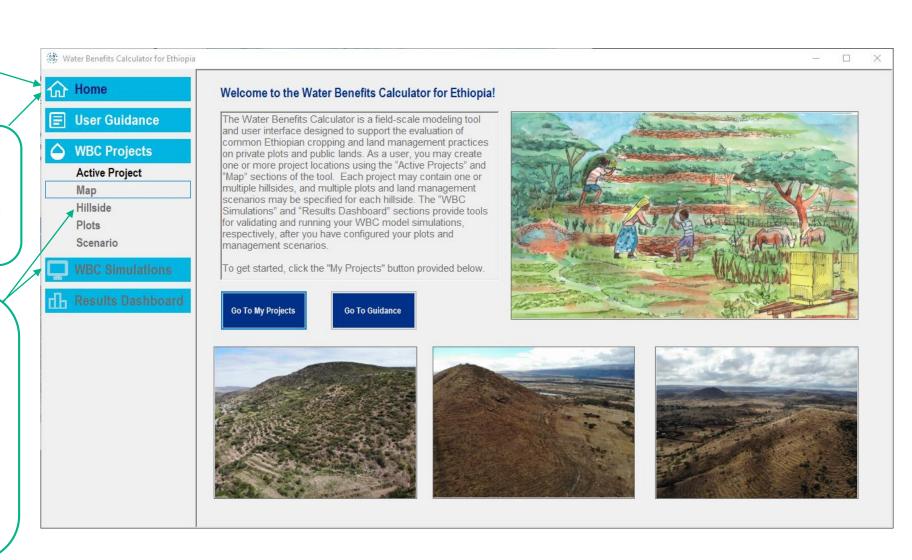


Navigating Between Forms

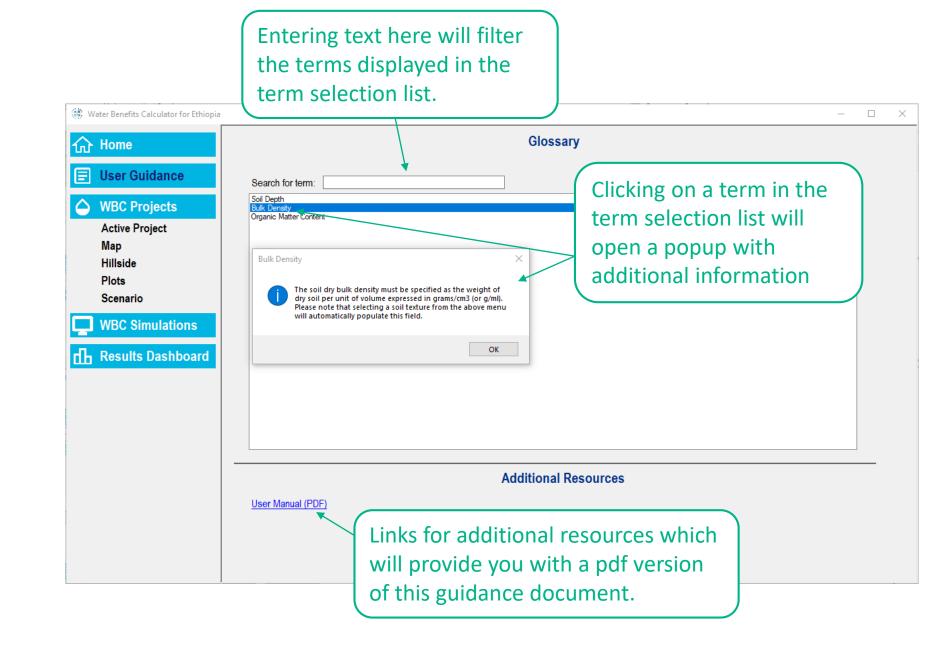
Click a button on the left navigation menu to change to the corresponding form.

The text corresponding to the form which is currently will be highlighted in a different color on the navigation menu

When the tool first loads some pages will be 'greyed out' and are inaccessible. Theses pages will become accessible as you select the required information. For example selecting an active project will enable the 'Map' and 'Hillside' forms.



User Guidance Form



Project Overview

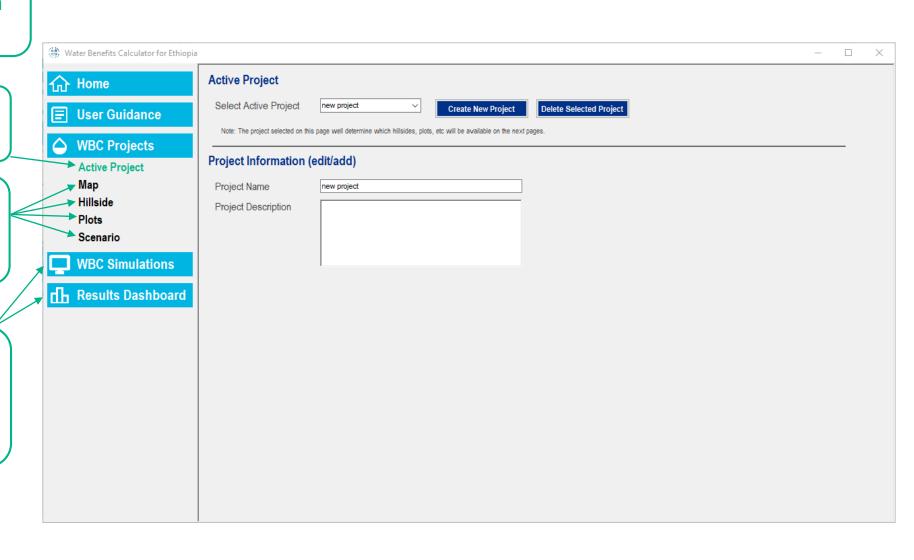
Below is an outline of the general steps for define a project through generating models results.

Creating a new project begins on the 'Active Project' form.

After populating the project level information, work through the other forms in the order listed.

Once all the project data forms have been populated, user can run the simulation and then view the results.

The next few slides will walk you through the feature on each of the forms.

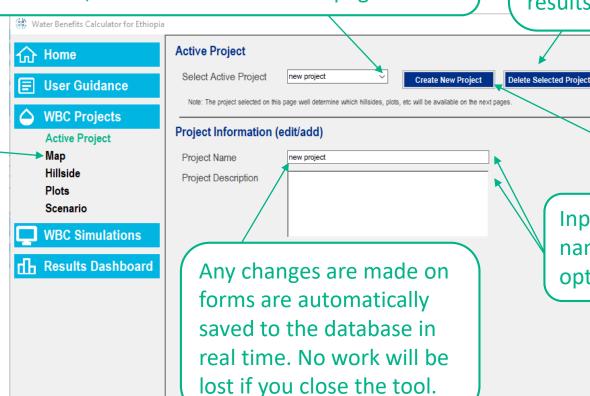


Active Project Form

Select the 'Active Project' using this dropdown. The Active Project will determine which Hillsides, and subsequently Plots and Scenarios, will be available of later pages.

You can delete a project using this button. Note: deleting a project will also delete any related Hillsides, Plots, model results, etc.

Once entry of project information is complete move to the 'Map' form.



Create a new project by clicking the "Create New Project' button.

Inputs for the project name and an optional description.

Map Form

"WBC Data Layers" include the project location and available weather stations.

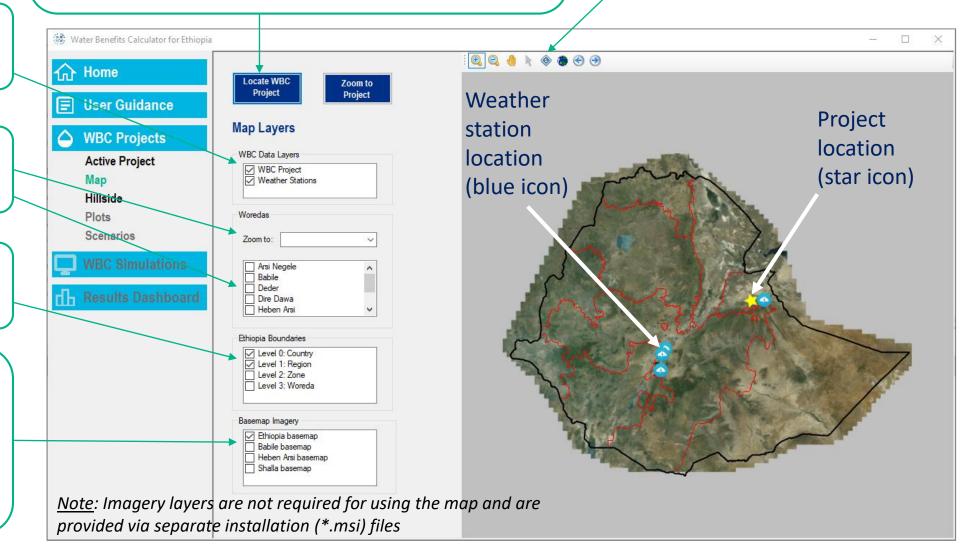
Woreda layers can be toggled on/off and you may zoom to a specific woreda.

Ethiopia government boundary layers are provided at the country, region, zone, and woreda scales.

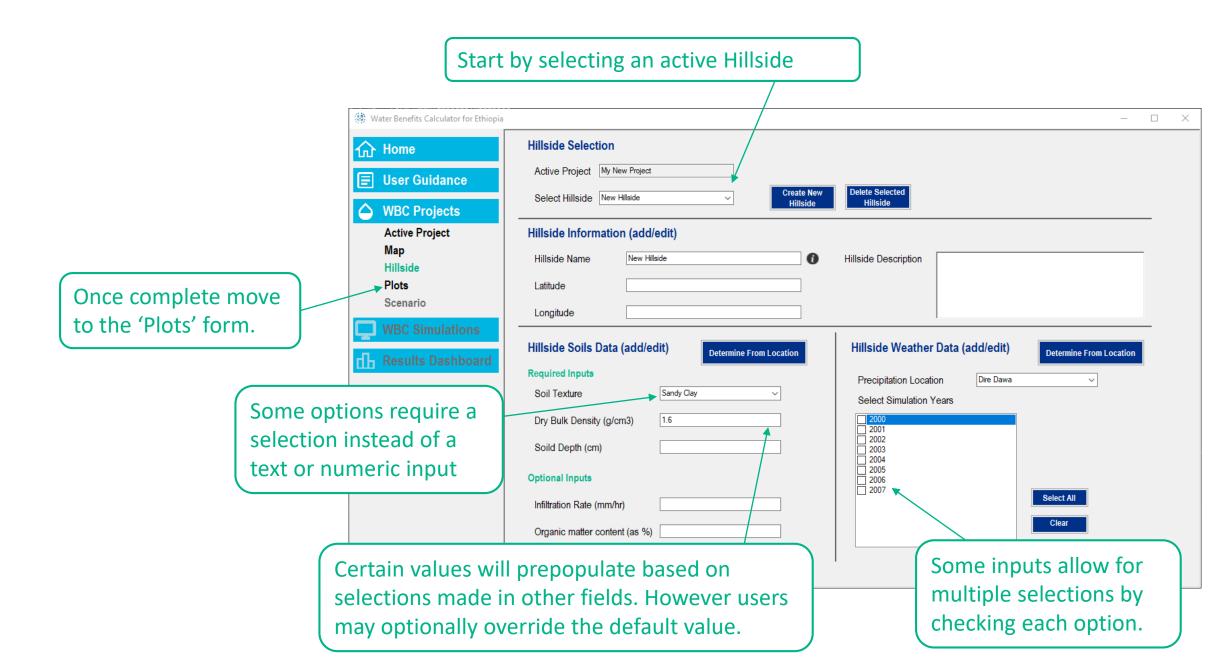
Optionally, a coarse-resolution basemap for Ethiopia and medium-resolution imagery for individual woredas can be added to the WBC. Local images will be added to the map when zooming to a particular woreda.

Click the "Locate WBC Project" and then click the map to add/edit the location of your project. Specifying the project location is optional, but this will assign default weather stations and soil texture for hillsides you create under this project.

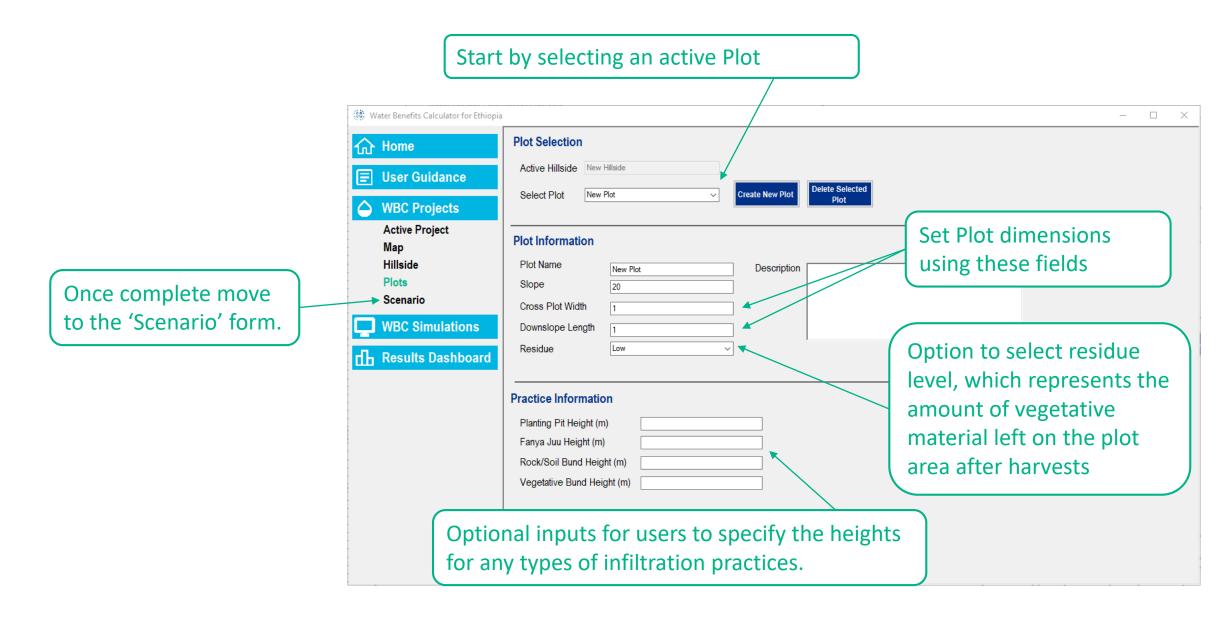
Map toolbar controls support panning, zooming, and identifying features on the map



Hillside Form

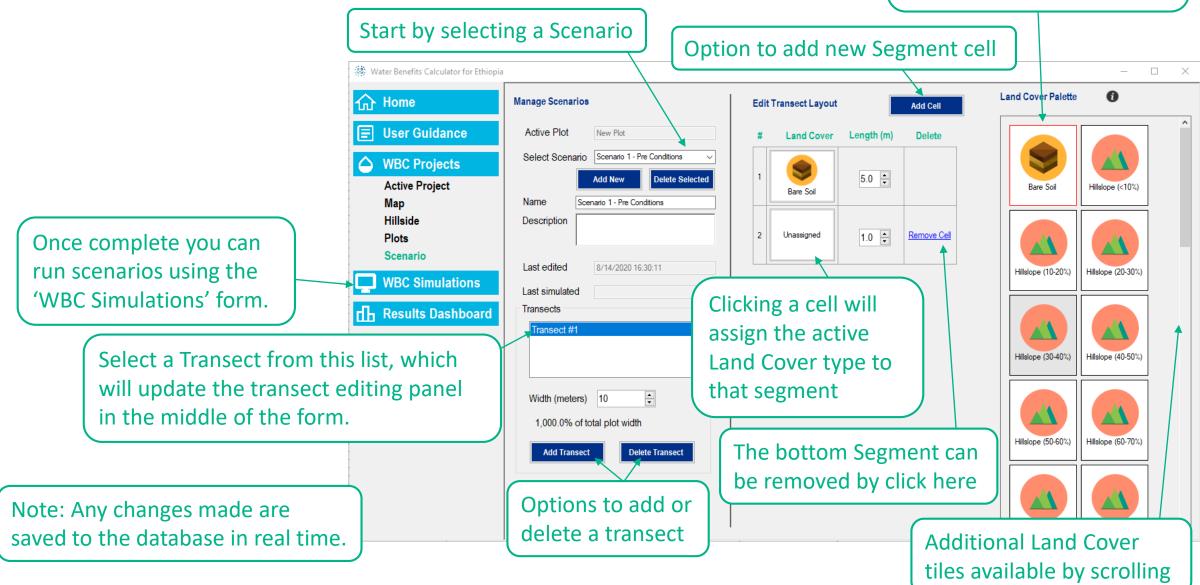


Plots Form



Scenario Form

Clicking on a Land Cover tile will set that as the active Land Cover type.



WBC Simulations Form

Prior to running, clicking runs are complete. on a scenario will queue that scenario for the run. Water Benefits Calculator for Ethiop 1 Home Click a Scenario to add to run queue and press run to begin **■** User Guidance **WBC Projects** Once a run is complete scenarios Active Project will either display in green which Map Hillside indicates the run completed **Plots** successfully, or red which Scenario Validation Report indicates the scenario's input WBC Simulations The transect's down slope length must be equal to the plot's failed validation and some **П** Results Dashboard down slope length. Transect #1 down slope=1 & Plot down No land cover hav been selected for Segment #1 in Transect corrections need to be made OK Clicking on a scenario which failed validation (red cells) will open up a validation report that indicates what input need to be corrected.

A run can be started by

clicking the run button.
You'll be notified when

Results for completed runs can be viewed on the 'Results Dashboard' form

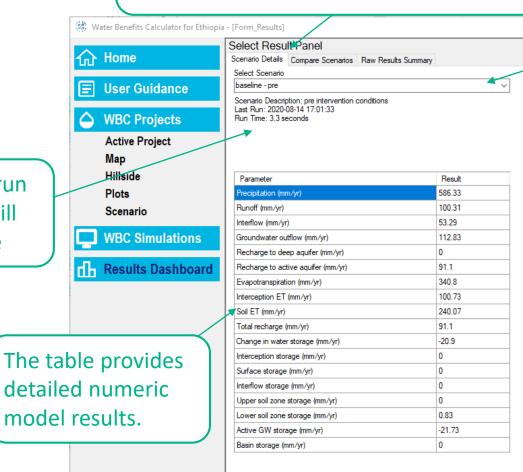
Results Dashboard Form - Detail Tab

The model run

metadata will

display here

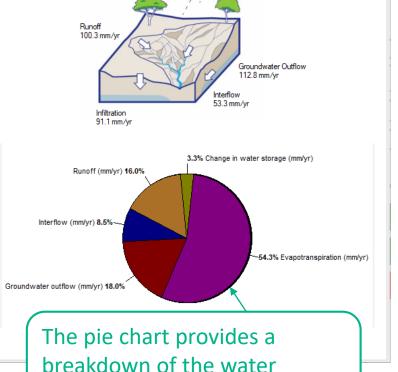
Selecting a tab will toggle between the results tabs which each provide a different level of information.



Select the scenario for which results will be displayed.

Precipitation

Evapotranspiration



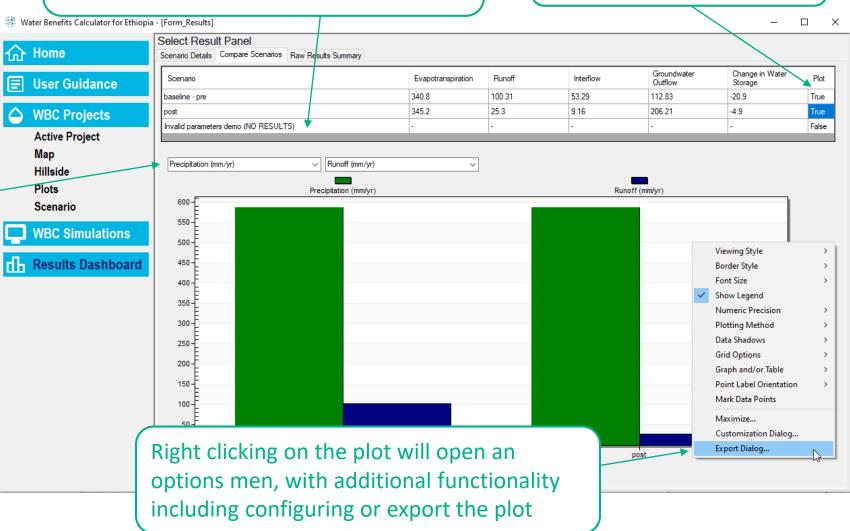
budget for scenario.

Results Dashboard Form - Comparison Tab

Any scenarios without model results will be flagged with '(NO RESULTS)' appended to the scenario name.

Click to toggle if scenario should be included in plot.

Options to select which parameters to compare



Results Dashboard Form - Raw Results

