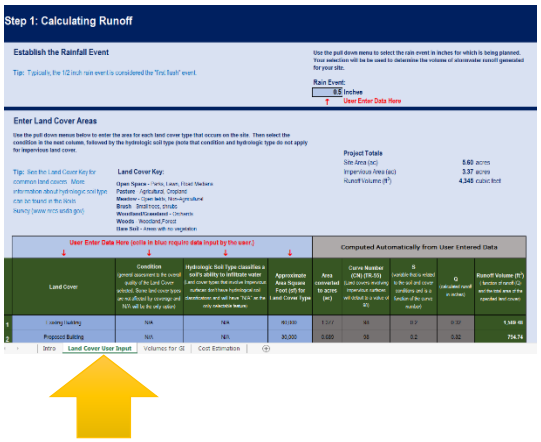
STORMWATER MANAGEMENT CACULATOR

SIMPLE STEPS GUIDE

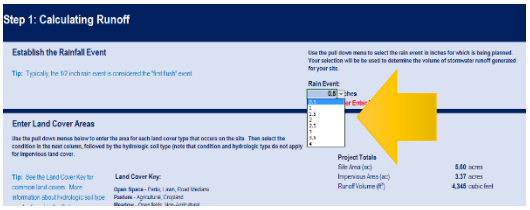
http://bit.ly/GreenInfrastructureOptimizationTool

STEP 1: Calculating Runoff

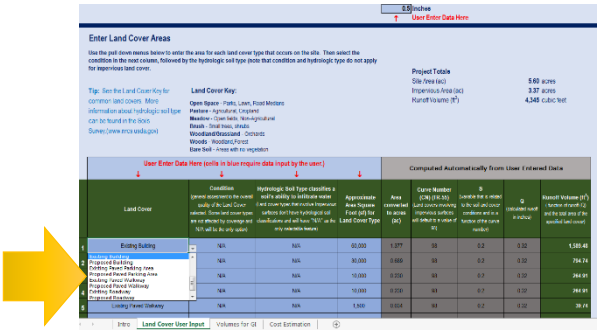
1. Click on the “Land Cover User Input” tab.



2. Select the desired rainfall event in inches by using the pull down menu.



3. Select Land Cover by using the pull down menu.



4. Select Condition and Hydrologic Soil Type by using the pull down menus.

Condition is a general assessment to the overall quality of the Land Cover selected.

- Good: 75% to 100% coverage
- Fair: 50% to 75% coverage
- Poor: 0% to 50% coverage

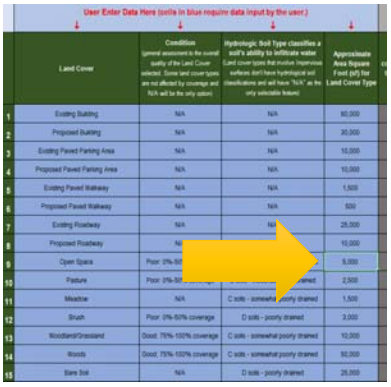
Some land cover types are not affected by coverage. In these cases, N/A will be the only selectable option.

Hydrological Soil Type classifies a soil's ability to infiltrate water.

- A soils - Well Drained
- B soils - Moderately Well Drained
- C soils - Somewhat Poorly Drained
- D soils - Poorly Drained

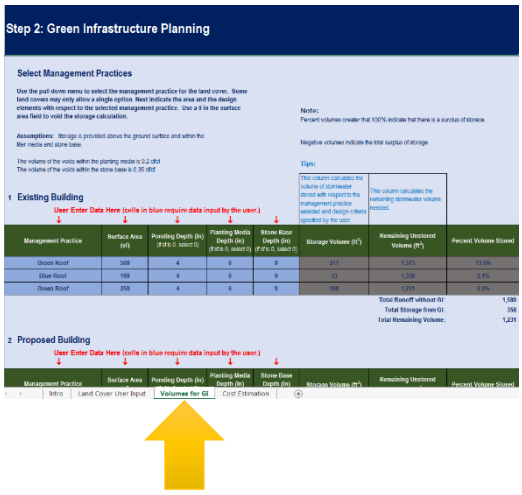
Land cover types that involve impervious surfaces do not have hydrological soil classifications and will have "N/A" as the only selectable feature.

5. Enter square footage of the land cover type.



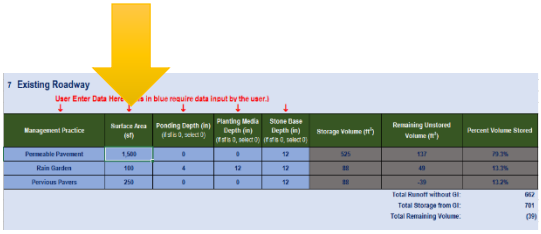
STEP 2: Green Infrastructure Planning

6. Click on the “Volumes for GI” tab.

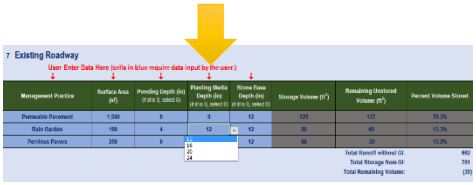


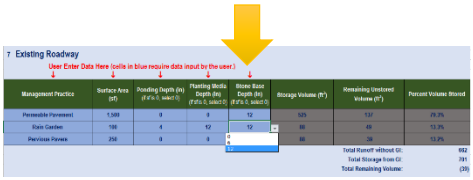
7. For each land cover type selected in Step 1, select the preferred management practice by using the drop down menu.

8. Enter the Surface Area.



9. Enter the Ponding Depth, Planting Media Depth and Stone Base Depth using the pull down menus.





Note: changes to the management practice will not automatically update the design criteria columns. These cells will require the user to update manually.

Step 3: Cost Analysis

10. Click on the “Cost Estimation” tab to view the results of the information provided by the user.