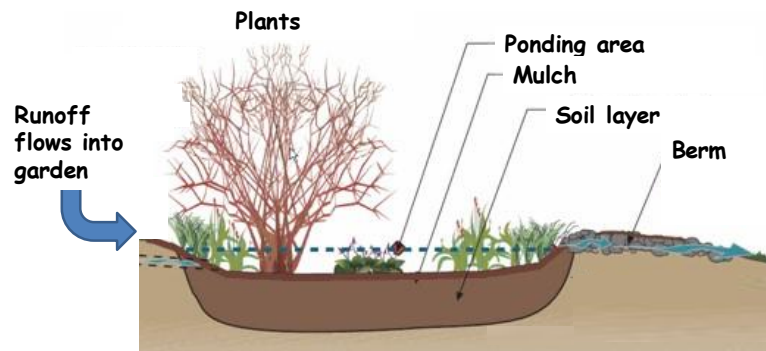


Handout for Rain Garden Talk

“Anatomy” of a Rain Garden



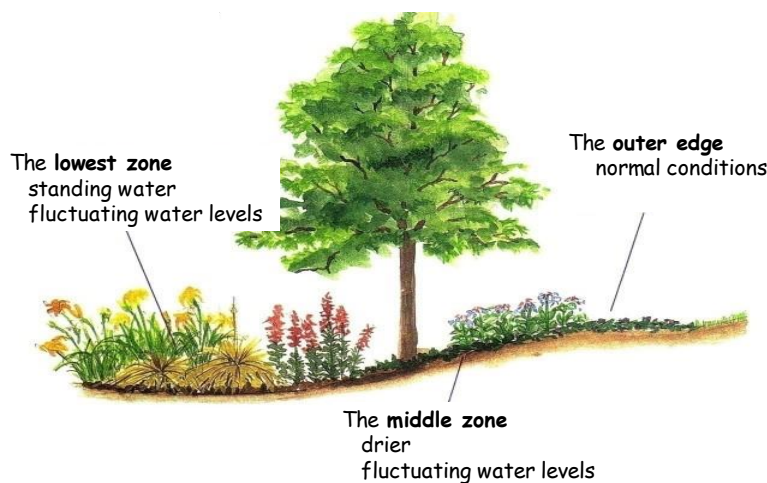
Formula for Calculating the Rain Garden Size

$$\text{Sq. ft. of rain garden} = (\text{Step 1} + \text{Step 2}) / 6$$

Step 1: Calculate the sq. ft. of impervious areas X 0.9

Step 2: Calculate the sq. ft. of permeable areas X 0.25
(assumes 1" rain/event and 6" ponding depth)

Planting Zones in a Rain Garden



Suggested Ratios for Improving Rain Garden Drainage

Clay Soil	Non-clay soil
40% Coarse sand	50% Coarse sand
20% Top soil	25% Top soil (no clay)
20% Compost	25% Compost
20% Clay	

Resources

Planning & construction:

http://dof.virginia.gov/infopubs/Rain-Garden-Technical-Guide-2014-05_pub.pdf

<http://www.fairfaxcounty.gov/soil-water-conservation/sites/soil-water-conservation/files/assets/documents/raingardenbk.pdf>

<http://nemo.uconn.edu/raingardens/index.htm> *(lots of good short videos)*

Rain garden plants & design ideas:

<https://www.pubs.ext.vt.edu/426/426-043/426-043.html> *(plants by zone for different rain garden zones)*

<https://extension.psu.edu/rain-gardens-the-plants> *(plants by zone for different rain garden zones)*

<http://www.dcr.virginia.gov/natural-heritage/native-plants-finder> *(look up native plants for your county)*

<https://lowimpactdevelopment.org/rain-garden-templates-for-maryland/> *(design inspirations)*

Virginia Conservation Assistance Program:

<https://vaswcd.org/vcap> *(Virginia Soil and Water Conservation program providing help to those installing a rain garden)*