



Step 1: How much greywater does your home produce?

*Laundry: gallons per load * loads per week * weeks per year = total*

*Shower: gallons per minute * minutes per shower * showers per week * weeks per year = total*

Source	Gallons per minute	Minutes per shower	Gallons per load	Loads/showers per week	Weeks per year	Total gal/yr
Laundry	--	--				
Shower			--			

Total annual yield from all greywater sources: _____ gallons

Step 2: How much water do your plants need?

*Area = pi * r² (3.14 * radius of canopy * radius of canopy)*

*Water need = area * conversion factor*

Water Use and Conversion Factors

Low water use = conversion factor of 10

Moderate water use = conversion factor of 19

High water use = conversion factor of 28

Tree/plant type	Mature size (radius of canopy)	Area of canopy	Water use level	Conversion factor	Annual water need

Step 3: Designing your home greywater system

Evaluate your site plan and sectors (water, wind, sun, human use) to decide how to plan your greywater system in harmony with permaculture design principles and with your lifestyle.

- a) Are either your shower or washing machine easily accessible to exterior wall? _____
- b) What kind of greywater system will you use? (outdoor shower, laundry-to-landscape, simple/complex...) _____
- c) Where in your yard will you place your greywater system? _____
Choose the location for your system and draw it into your site plan.
- d) What plants will the greywater support? _____
Draw any new planned vegetation into your site plan and label accordingly.