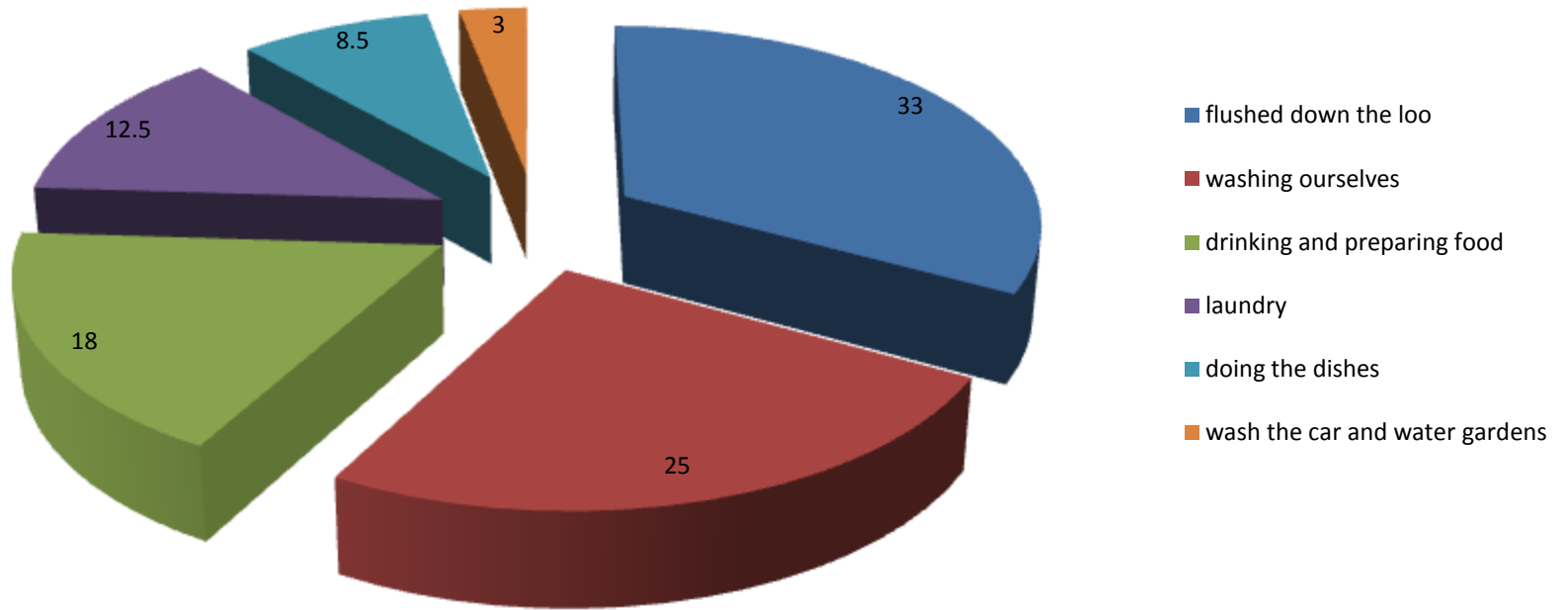


Water use



Calculating the Potential Rainwater Harvest from Your Roof

- **The Area of the Roof.** Take this as being the floor area of the house.
- **The Runoff Co-efficient.** This allows for loss of rainwater, from evaporation or from overflows before it reaches the tanks. For pitched roofs you can have a figure of 0.7, flatter roofs are lower, at 0.5.
- **The Efficiency of the Filter.** These filter out leaves and dirt, and lose a small amount of water. Depending on the filter, insert a figure of 0.8 or 0.9.
- **Annual Rainfall.** For Totnes, around 1000mm per year.

Using these, your formula is: roof area in m^2 x runoff coefficient x filter efficiency x rainfall in mm = annual yield in litres.

-

So, for a house in Totnes with a pitched roof, it'd be roof area in m^2 x 0.7 x 0.9 x 1000 = ?

Composting Toilets

- Humanure
- Twin bin
- Sloping, matures as it slides down

Diagram 3 Typical horizontal flow reed bed treatment system

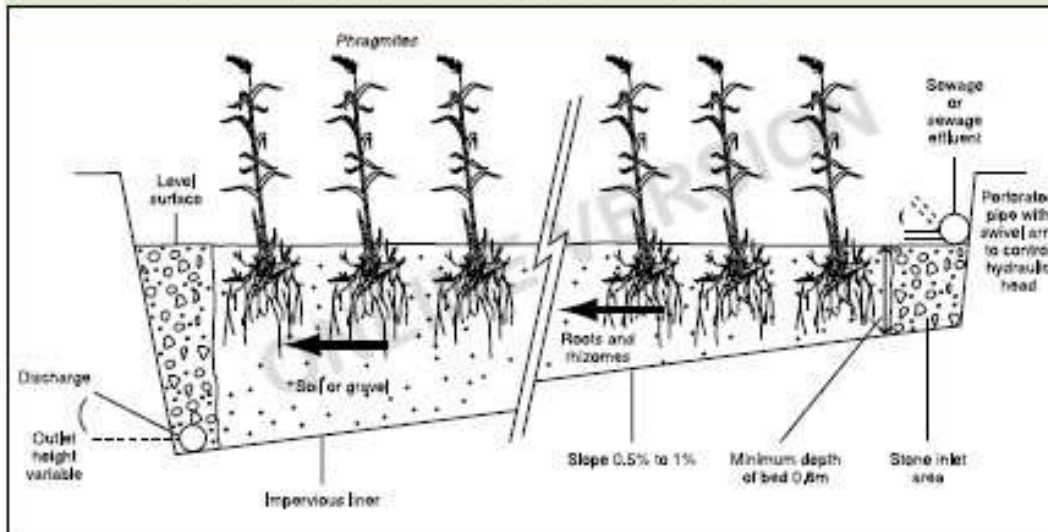
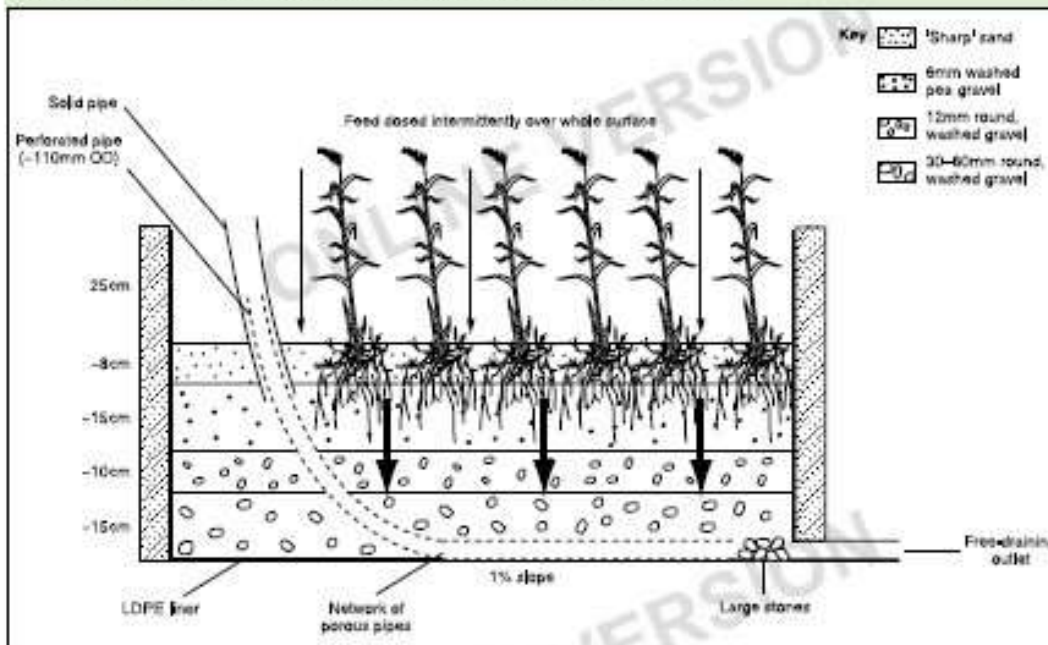


Diagram 4 Typical vertical flow reed bed treatment system



Composting

- C : N ratio 25-30 : 1
- Hot heaps, need to be $>1 \text{ m}^3$
- Cool heaps, add slowly, are like
- Worm bins, add small quantities

- Leaf heaps, separate, broken down by fungi