**Designing Your Rainwater Harvesting System**

**Components:**

1. Catchment system
	1. Roof material: Efficiency factor:
	2. Slope: steep / flat
	3. Catchment surface area(s) ft2:
2. Conveyance system
	1. Gutters
	2. Leaf Screens
	3. Downspouts: Sizing

|  |  |  |  |
| --- | --- | --- | --- |
| **Catchment** | **Catchment (ft2)** | **Downspout (in2) 100:1 Ratio** | **Downspout Dimensions (in x in)**  |
| Roof Area |   | - | - |
| # of Downspouts |   | - | - |
| Area per Downspout |   |   |   |

* 1. Diverter System:
		+ Overflow
		+ First flush (optional)
	2. Filter:
1. Storage:
	1. Material
	2. Volume needed (refer to worksheets)
2. Distribution system:
	1. Gravity fed or pump?
3. Treatment system (optional)

