



GreenCo Watershed



The **GreenCo Watershed**

is being developed as an integrated safe water catchment and storage system, specifically designed for remote, difficult-to-access locations. The Watershed can be configured in a variety of ways, incorporating up to ten 1,000 litre tanks, for drinking, cooking, personal hygiene and sanitation purposes. It can be built as a stand-alone facility, but is ideal for integrating into the design of new and up-graded schools, training centres, community health centres, police and law enforcement compounds, and other rural and remote facilities.

The **GreenCo Watersheds** are ideally suited to moderate to high rainfall areas. Obviously the greater the roof area harvested to the number of tanks housed, the lower the amount of rainfall that is needed to fill the tanks. However, a minimum size watershed housing six tanks (3.4m x 4m) would require rainfall of about 440 mm (17ins) to fill the tanks. One configured to house eight tanks (3.4m x 5m) would need 470mm (18ins)*.

The structure is being designed to make as much use as possible of indigenously sourced timber and other materials, and/or those, readily obtainable from local building material suppliers, such as BlueScope Colorbond roofing sheets, PVC guttering and piping, etc.

The heart of the system is our award-winning **GreenCo Water Pak Flat Tank™**, that is easily transportable to the most inaccessible of places, and assembled (and disassembled) within minutes.

This low-cost, safe, effective and easily maintained system can be constructed quickly and easily, using wherever possible local labour, with a minimum of initial instruction and supervision. Indeed, construction, assembly and maintenance of **GreenCo's Watersheds** can be used as valuable training exercises for local vocational training centres.

Moreover, **GreenCo Watersheds** can provide critical infrastructure for the delivery of personal hygiene and sanitation education and awareness programs.

*Size of watersheds, numbers of tanks, and rainfalls needed to fill them.

Size of Watershed	M ² of Roof	No. of Tanks	Litres Capacity	Rainfall Needed to Fill	
				mm	inches
3.4 x 4m	13.60	6	6,000	441.18	17.37
4 x 4m	16.00	6	6,000	375.00	14.76
4 x 5m	20.00	6	6,000	300.00	11.81
3.4 x 5m	17.00	8	8,000	470.59	18.53
4 x 5m	20.00	8	8,000	400.00	15.75
3.4 x 6m	20.40	10	10,000	490.20	19.30
4 x 6m	24.00	10	10,000	416.67	16.40

Watershed sizes are governed by the need to use only standard 2.4m Blue Scope steel roofing sheets.



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