



## RAINWATER TANK SIZE SELECTION TABLE

### Percentage of time rainwater tank will meet full domestic daily demand at MACCLESFIELD (Average Annual Rainfall – 641 mm)

#### HOW TO USE THIS TABLE

- STEP 1** Identify proposed **roof area**.  
**STEP 2** Identify **Rainwater Use Option**.  
**STEP 3** Identify **tank capacity**.  
**STEP 4** Identify the category (colour code) the roof area, rainwater use option and tank capacity combination fall within.  
**STEP 5** Refer to **Legend**.  
**STEP 6** (if required) Select larger roof area (if possible), alternative rainwater use option and/or larger tank capacity and repeat STEPS 1 to 5.

#### NOTES

- For all options within the orange (16 - 50%) and yellow (51 - 75%) range, it is recommended that the following variations to your proposal be considered to maximise the value of your rainwater tank selection:-
  - increase the roof area to be connected to the rainwater tank, if possible;
  - select a larger tank; and/or
  - change to water use efficient devices within the home, eg front loading washing machine (can save up to 20% of average daily water demand per household).
- This "Rainwater Tank Size Selection Table" should be read in conjunction with the Board's "Rainwater Tank Use Information Sheet".
- This "Rainwater Tank Size Selection Table" DOES NOT ALLOW FOR WATER STORAGE FOR FIRE FIGHTING REQUIREMENTS.
- The internal water use estimates are based upon a 3 person household.
- For advice beyond the scope of this table (eg tanks smaller than 13,500L or larger than 90,000L) please contact the SA Murray-Darling Basin NRM Board on Ph: 8532 1432.

Rainwater Use Option		High internal use			Medium internal use 1			Medium internal use 2			Low grade uses			
Description		11L single flush toilet, 100% laundry ( front load WM) & HWS			(6/3L) Dual flush toilet, AAA-rated shower head, 100% laundry (top load WM) & HWS			(6/3L) Dual flush toilet, AAA-rated shower head, 100% laundry (front load WM) & HWS			(6/3L) Dual flush toilet and 100% laundry (front load WM) <u>only</u>			
Tank capacity (L)		13,500	22,000	90,000	13,500	22,000	90,000	13,500	22,000	90,000	1,000	13,500	22,000	90,000
Roof area to be connected to rainwater tank (m <sup>2</sup> )	50	12%	12%	12%	21%	21%	21%	30%	30%	30%	54%	74%	74%	74%
	100	34%	34%	34%	55%	55%	55%	71%	72%	72%	71%	98%	98%	98%
	150	55%	57%	57%	77%	82%	85%	89%	97%	98%	78%	99%	99%	99%
	200	69%	74%	78%	86%	94%	98%	95%	98%	98%	82%	100%	100%	100%
	375	87%	93%	98%	97%	99%	99%	99%	100%	100%	87%	100%	100%	100%

#### LEGEND

Category	Effectiveness of chosen roof area and tank capacity to meet full domestic daily demand	Recommendation
	Rainwater tank will meet full daily demand 0 – 15 % of the time.	Not recommended
	Rainwater tank will meet full daily demand 16 – 50% of the time.	Satisfactory, but alternative recommended for the intended use (refer to Note 1).
	Rainwater tank will meet full daily demand 51 – 75% of the time.	Satisfactory, but alternative recommended for the intended use (refer to Note 1).
	Rainwater tank will meet full daily demand 76 – 90% of the time.	Recommended – Roof area and tank capacity selected are suitable for the intended use.
	Rainwater tank will meet full daily demand 91 - 100% of the time.	Highly recommended – Roof area and tank capacity selected are suitable for the intended use.

#### Acronyms

HWS	Hot water service
WM	Washing machine
WC	Toilet