



## RAINWATER TANK SIZE SELECTION TABLE

### Percentage of time rainwater tank will meet full domestic daily demand at PARINGA (Average Annual Rainfall – 283 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

- 1 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).
- 2 This "Rainwater Tank Size Selection Table" should be read in conjunction with the Board's "Rainwater Tank Use Information Sheet".
- 3 This "Rainwater Tank Size Selection Table" DOES NOT ALLOW FOR WATER STORAGE FOR FIRE FIGHTING REQUIREMENTS.
- 4 The internal water use estimates are based upon a 3 person household.
- 5 For advice beyond the scope of this table (eg tanks smaller than 13,500L or larger than 45,000L) 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 | 45,000 | 13,500  | 22,000 | 45,000 | 13,500  | 22,000 | 45,000 | 1,000   | 13,500 | 22,000 | 45,000 |
| Roof area to be connected to rainwater tank (m <sup>2</sup> ) | 50  | 4%   | 4%     | 4%     | 8%  | 8%     | 8%     | 11%   | 11%    | 11%    | 25%   | 28%    | 28%    | 28%    |
|   | 100 | 12%  | 12%    | 12%    | 21%   | 21%    | 21%    | 28%   | 28%    | 28%    | 41%   | 63%    | 63%    | 63%    |
|   | 150 | 21%  | 21%    | 21%    | 34%   | 34%    | 34%    | 44%   | 44%    | 44%    | 48%   | 87%    | 92%    | 94%    |
|   | 200 | 29%  | 30%    | 30%    | 46%   | 47%    | 47%    | 60%   | 61%    | 61%    | 52%   | 97%    | 99%    | 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