

Form DST-02: Quarterly Review

WATER YEAR: 1 July 2020 to 30 June 2021

REVIEW DATE: 23/04/21

FORECAST AND ACTUAL WATER DEMAND:

| | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter |
|---------------------|-------------|-------------|-------------|-------------|
| Forecast, ML | 922 | 1122 | 1291 | 1002 |
| Actual, ML | 990 | 1100 | 1162 | |

REVIEW: Storage tracking (see graph) Below predicted
 POAMA forecast (circle) DRY NEUTRAL WET

BOM three-month rainfall outlook (chance of exceeding)

| 3-month rainfall | 10mm | 25mm | 50mm | 100mm | 150mm | 200mm | 250mm | 300mm | 400mm |
|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|
| Chance of exceeding | 100% | 100% | 99% | 94% | 69% | 40% | 17% | 8% | 0% |

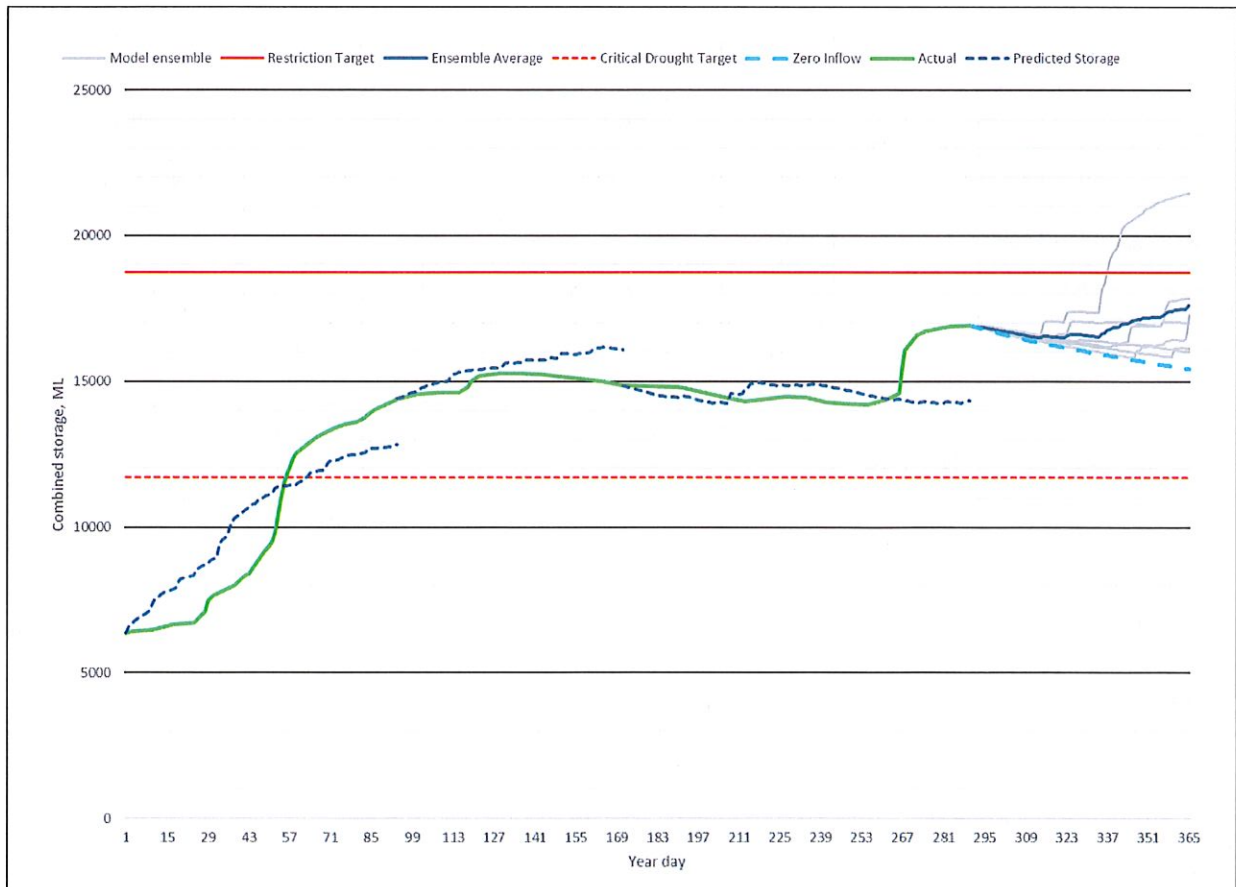


Figure 1: Modelled and actual storage behaviour

ANY OPERATIONAL CONSIDERATIONS?

Macquarie River not available for the remainder of the water year due to critical pump maintenance. Clifton Grove bores not available for the remainder of the water year due to maintenance. Noted that the Showground Bores are used to offset potable demand at the STP and will continue to operate in accordance with the DST operating rules.

ANY ACTIONS FROM ANNUAL REPORT?

Monitoring (aquatic, hydrological and water quality) does not indicate any operational changes are required.

DO THE RULES NEED TO BE MODIFIED (circle)? YES **NO**
 (if yes, please document below)

Macquarie River margin of error to apply to flow trigger: 0%

Is water assignment from Macquarie River still required? YES **NO**
 If no, date DPI Water advised N/A as no advice previously provided

REVISED OPERATING RULES BASED ON QUARTERLY REVIEW:

| Source | Required? | | Operating Rules | | | | | | |
|--|-----------|----|-----------------|----------------------------|--------------------|--------------------|--------------------|------|------|
| | Yes | No | SPD Trigger | Annual Transfer ML/year | Weekday Pump Hours | | Weekend Pump Hours | | |
| Showground Bores | ✓ | | SPD Trigger | Annual Transfer ML/year | Weekday Pump Hours | | Weekend Pump Hours | | |
| | | | 100% | 280 | 12 | | 12 | | |
| Clifton Grove Bores | NA | NA | SPD Trigger | Annual Transfer ML/year | Weekday Pump Hours | | Weekend Pump Hours | | |
| | | | 100% | 182 | Not available | | Not available | | |
| Stormwater Harvesting (no. of operating pumps at each pump station shown) | ✓ | | SPD Trigger | PS1 | PS2 | PS3 | PS4 | PS5 | PS6 |
| | | | 100% | 24/7 | 24/7 | 24/7 | 24/7 | 24/7 | 24/7 |
| Macquarie River | NA | NA | SPD Trigger | River Flow Trigger, ML/day | No. of pumps | Weekday Pump Hours | Weekend Pump Hours | | |
| | | | 90% | 108 | Not available | Not available | Not available | | |

APPROVAL:

Prepared by:

| | | |
|---|--------------------------------|------------------|
| Water and Sewerage Strategic Manager: Wayne Beatty | Signature: <i>W. Beatty</i> | Date: 26/4/21 |
|---|--------------------------------|------------------|

Reviewed and authorised by:

| | | |
|--|----------------------------------|--------------------|
| Director Technical Services: Ian Greenham | Signature: <i>I. Greenham</i> | Date: 26/4/2021 |
|--|----------------------------------|--------------------|