

Form DST-01: Water Year Analysis

WATER YEAR BEING FORECAST: 1 July 2022 to 30 June 2023

DATA:

Annual water demand for previous water year 4507 ML

Number of restriction periods in past 10 years 9

Number days of restrictions over past 10 years 3285 (1)

Duration of restriction over past 10 years (1)/3650 90 %

FORECASTING:

Storage end of previous water year 23,419 ML

POAMA forecast (circle) DRY **NEUTRAL** WET

Forecast annual unrestricted water demand 5400 ML

Forecast shortfall (see graph) -989 ML

External supplies required (circle)? YES **NO**

CRITICAL LEVEL:

Critical level for end of forecast water year 18735 ML

Critical drought target or Restriction target

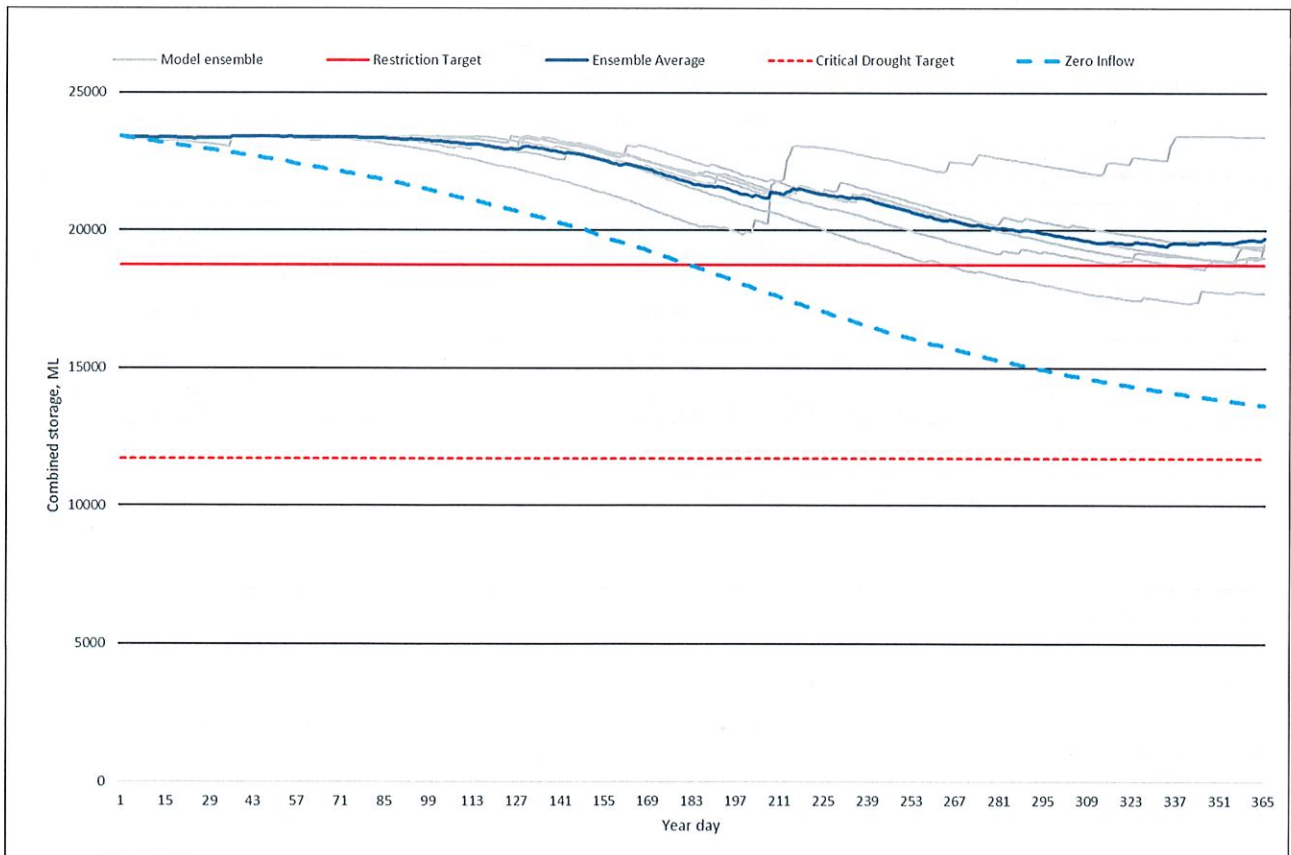


Figure 1: Modelled storage behaviour for adopted POAMA forecast

PROPOSED OPERATING RULES FOR FORECAST WATER YEAR:

Source	Required?		Operating Rules						
	Yes	No	SPD Trigger	Annual Transfer ML/year	Weekday Pump Hours	Weekend Pump Hours			
Showground Bores <i>(used at STP)</i>	✓		SPD Trigger	Annual Transfer ML/year	Weekday Pump Hours	Weekend Pump Hours			
			na						
Clifton Grove Bores		✓	SPD Trigger	Annual Transfer ML/year	Weekday Pump Hours	Weekend Pump Hours			
			na						
Stormwater Harvesting <i>(no. of operating pumps at each pump station shown)</i>		✓	SPD Trigger	PS1	PS2	PS3	PS4	PS5	PS6
			na						
Macquarie River		✓	SPD Trigger	River Flow Trigger, ML/day	No. of pumps	Weekday Pump Hours	Weekend Pump Hours		
			na						

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

Note: MOP pumps reinstalled, but not yet tested as Suma Park Dam is >90%.

FORECAST WATER DEMAND:

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1026	1420	1731	1205

MACQUARIE RIVER: Average water transferred from Macquarie River 0 ML
 Is water assignment required? YES **NO**
 If yes, volume required _____ ML
 Date DPI Water advised _____

APPROVAL:

Prepared by:

Water and Sewerage Strategic Manager: Wayne Beatty	Signature: <i>W. Beatty</i>	Date: 25/7/22
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Reviewed and authorised by:

Director Technical Services: Ian Greenham	Signature: <i>I. Greenham</i>	Date: 25/7/2022
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