

19 March 2021

Bega-Brogo Regulated River Water Source


Water allocation update

General security allocation has increased by 10% in the Bega-Brogo regulated river water source, bringing the total general security allocation for 2020-21 to 50% of entitlement.

The Bega-Brogo catchment continues to experience average rainfall conditions. As a result, Brogo Dam remains full and spilling. It is recognised that most irrigation needs are being met by rainfall coupled with take from unregulated flows. Little use is needed of regulated account water.

All other licence categories in this regulated river water source have received their maximum allocation for the 2020-21 water year.

Current allocations

2020-21	High Security	General Security	Drought Stage
Bega-Brogo Regulated River Water Source	100%	50%	 Stage 1

Dam levels (as at 18 March 2021)

Brogo Dam is currently full (101%) and spilling, holding about 9,070 megalitres (ML). This time last year the dam was also full.

Seasonal climate outlook

The Bureau of Meteorology seasonal outlook for April to June indicates near average rainfall conditions are likely to continue. Daytime temperatures are also likely to be around average and overnight temperatures are likely to be warmer than average.

For further details: www.bom.gov.au/climate/outlooks/#/rainfall/summary

Next announcement

Water allocation statements for the Bega-Brogo regulated river water source are usually published quarterly or when there is a significant change to the resource situation.

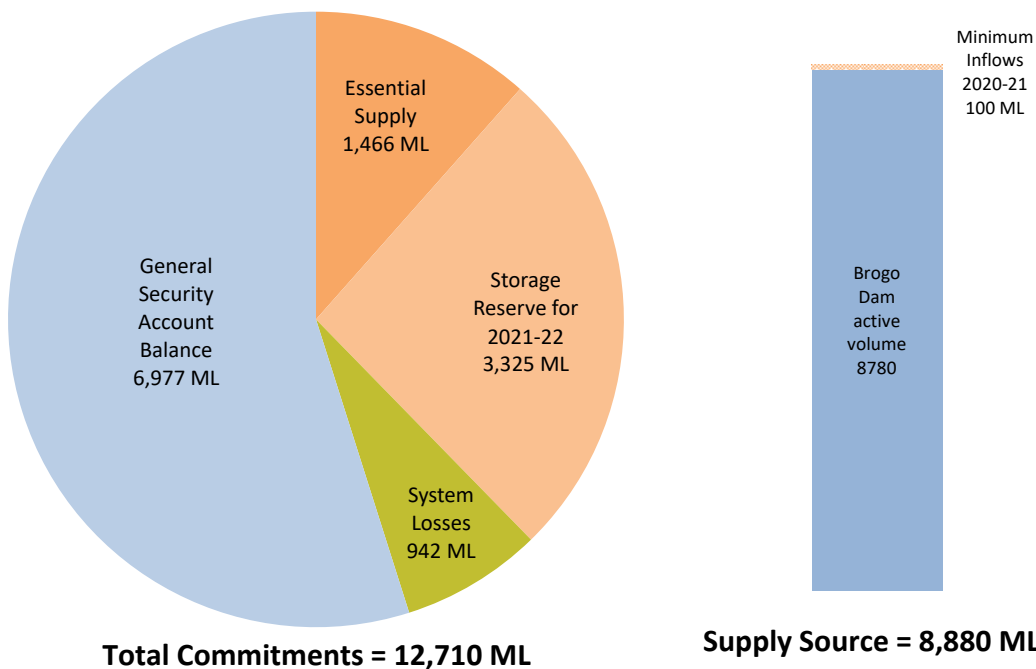
The next water allocation statement for the Bega-Brogo regulated river water source will be published in mid-May 2021, or earlier if water availability conditions change significantly.

Resource assessment data sheet

Resource Distribution - March 2020-21	(ML)	(ML)
Brogo Dam active storage volume (as at 1 March 2021) ¹		8,780
Minimum storage inflows (01/04/21 to 30/06/21) ²		100
<i>Less</i>		
Basic Land Holder Rights	83	
Domestic and Stock	53	
Local Water Utility	550	
Transparent releases	300	
Minimum storage releases	67	
High Security (HS) account balance	413	
Losses (evaporation, transmission, operation) ³	942	
Essential supplies reserve for 2021-22 ⁴	3,325	
General Security (GS) account balance	5,582	
<i>Equals</i>		
Surplus (or deficit) ⁵		(2,435)
Predicted GS usage by 30/06/21 ⁶	1,500	
Predicted GS underuse by 30/06/21 ⁶		4,082
Predicted surplus water available by 30/06/21 ⁷		1,647
Water allocated to GS (10%)⁸		1,395

- (1) This is the active storage volume in Brogo Dam as at 1 March 2021, capped at active full supply volume of 8,780 ML when the dam is spilling.
- (2) Minimum inflow sequence (100 ML) from 1 April 2021 to 30 June 2021. This ignores inflows during March 2021 due to the dam spilling, as it's unable to be captured.
- (3) Storage evaporation & system transmission loss pro-rated from 1 April 2021 to 30 June 2021 as no loss is assumed for March 2021 due to the dam spilling.
- (4) Water required to be set aside in storage as reserve to meet system losses of 3,600 ML plus essential requirements of 2,525 ML minus 2,800 ML of minimum storage inflows sequence (starting 1 July 2021). That is, $(3,600 + 2,525 - 2,800) = 3,325$ ML needed to be reserved for 2021-22 essential requirements & system losses. For 2022-23 no reserve is required as the minimum inflow sequence is adequate to cover essential supplies and system losses.
- (5) Surplus or deficit of water after accounting for all commitments. The deficit of 2,435 ML is a notional shortfall in that the total liability cannot be accommodated in the small dam capacity. This will be met through underutilisation of account water (no GS carryover allowed) due to the abundance of access to uncontrolled flows this year (see (6)).
- (6) Predicted GS usage between 1 March 2021 and 30 June 2021 is 1,500 ML. Hence predicted unused GS volume by 30 June 2021 is 4,082 ML (5,582 ML – 1,500 ML).
- (7) Predicted surplus water available after accounting for the system deficit (i.e. $4,082 \text{ ML} - 2,435 \text{ ML} = 1,647 \text{ ML}$) by 30 June 2021.
- (8) Water allocated to GS (10% of GS entitlement, that is 10% of 13,954 ML = 1,395 ML).

Resource Distribution 2020-21 (March 2021) Bega-Brogo Regulated River Water Source



Note: Total deficit of 3,830 ML (12,710 ML commitments minus 8,880 ML supply) to be met through 4,082 ML of GS underuse.

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