

15 March 2021

## Hunter Regulated River Water Source


### Water allocation update

**General Security water users in the Hunter regulated river water source have received an allocation increase of 3%, bringing their allocation to 100% of entitlement for the water year.**

Rainfall in February was average to above average across the Hunter catchment. Glenbawn Dam and Glennies Creek Dam received 77 mm and 132 mm of rainfall respectively. Net inflow into these storages in February was 6.2 gigalitres (GL) and 8.0 GL respectively, supporting the allocation increase.

All licence categories have now received their maximum annual allocation (100%) allowed by the water sharing plan. Routine monthly water allocations statements for 2020-21 will now stop and allocations will resume again on 1 July 2021 for the 2021-22 water year.

### Current allocations

2020-21	High Security	General Security	Drought Stage
Hunter Regulated River Water Source	100%	100%	 Stage 1

### Drought stage

The Hunter regulated river water source is currently at Stage 1 - meaning normal regulated river operations.

### Dam levels (as at 15 March 2021)

Glenbawn Dam is about 51% full – rising – holding about 382 gigalitres (GL). It was about 40% full this time last year.

Glennies Creek Dam is about 46.6% full – rising – holding about 133 GL. It was about 37% full this time last year.

### Seasonal rainfall and inflow forecast

The Bureau of Meteorology climate outlook for March to May shows the chance of above median rainfall, particularly around Singleton.

The Bureau also issues seasonal flow forecasts for the Hunter River upstream of Glenbawn Dam at Moonan (figure below). This may provide an indication of potential inflows into the dam. All forecast quartiles of total streamflow volumes from February to April are higher than historical streamflow volumes, indicating the potential for better than historical storage inflows in this period.

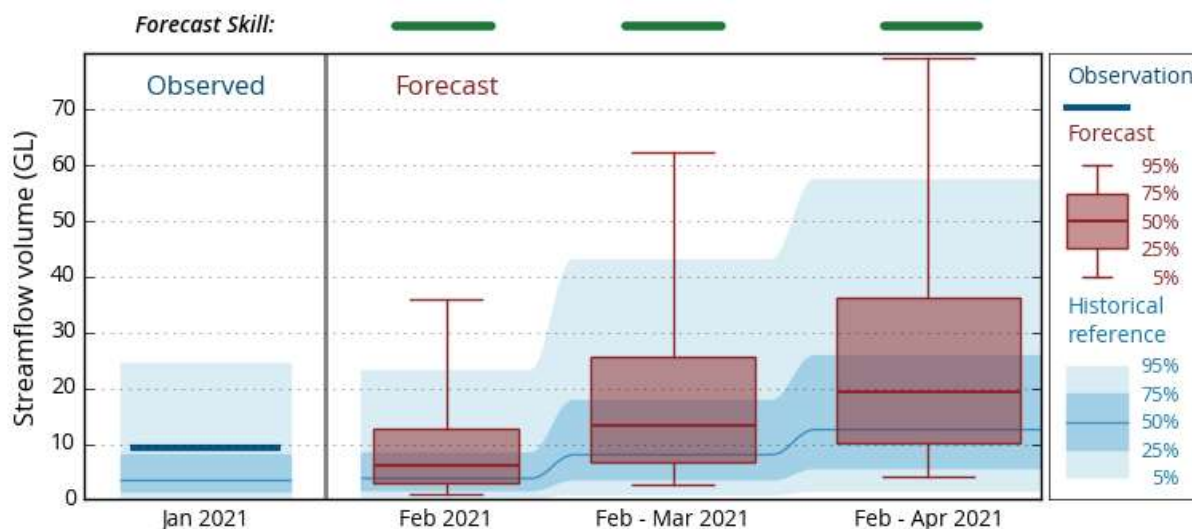
# Water Allocation Statement

Water availability and allocation update



## Hunter River at Moonam Dam Site (ID: 210018)

Forecast for Feb 2021 – Apr 2021



Generated: 16:11 05/02/2021 (ver. 2.8.2)

©Commonwealth of Australia 2021, Bureau of Meteorology

For further details: [www.bom.gov.au/water/ssf/#id=210018&product\\_type=FC\\_9](http://www.bom.gov.au/water/ssf/#id=210018&product_type=FC_9)

## Further information

All water account holders have now received their maximum annual allocation. No further routine monthly water allocation statements will be issued. However, in mid-May, a statement on the likely allocations for 1 July 2021, the commencement of 2021-22 water year, will be published.

Information on available water determinations and water sharing plans is available on the Department of Planning, Industry and Environment website - [www.industry.nsw.gov.au/water](http://www.industry.nsw.gov.au/water)

### Resource assessment data sheet

Resource Distribution (1 March 2021 to 30 June 2023)	(GL)	(GL)
Glenbawn plus Glennies Ck active storage volume		509.6
Minimum storage & tributary inflows (3/21 to 6/21) <sup>(1)</sup>		2.9
<i>less</i>		
Basic Land Holder Rights	1.8	
Domestic and Stock	1.5	
Local Water Utility balance	7.2	
Major Utility account balance	64.1	
Environmental Water Allowance	20.0	
Minimum Flow Target at Greta (including losses)	10.7	
High Security account balance	18.5	
Losses (evaporation, transmission, operation) (3/21 to 6/21)	19.4	
Storage Reserve for 2021-22 <sup>(2)</sup>	120.5	
Storage Reserve for 2022-23 <sup>(3)</sup>	77.5	
General Security balance <sup>(4)</sup>	138.7	
<i>equals</i>		
Surplus (or deficit) <sup>(5)</sup>		32.6

#### Notes:

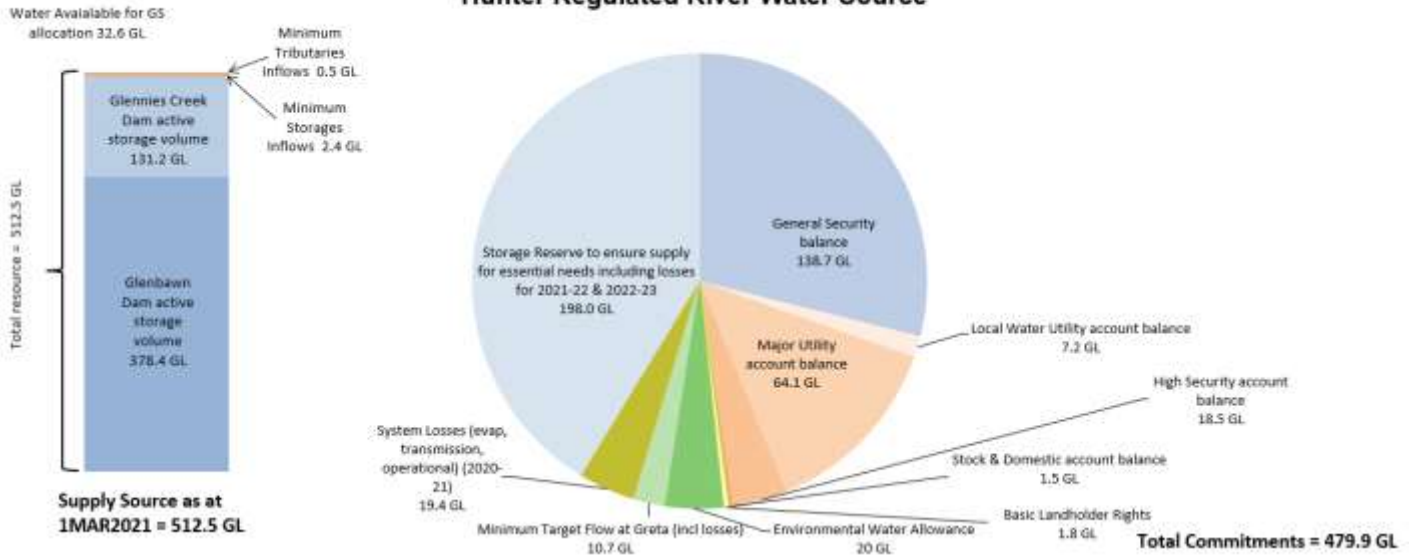
- (1) Minimum historical dam inflows (2.4 GL) and minimum historical usable tributary inflows (0.5 GL) from 1 March 2021 to 30 June 2021.
- (2) Water required to be set aside in storages as reserve to meet essential supply requirements and system losses of 120.2 GL in 2021-22. Calculated as: system losses of 50.4 GL plus Essential Requirements of 122.4 GL minus 52.7 GL of minimum storage & usable tributary inflows for the first 12 months of 24-month minimum inflow period starting 1 July 2021. Essential Requirement includes minimum 75% High Security (HS) opening allocation and 100% to all other high priority licences.
- (3) Water required to be set aside in storages as reserve to meet essential supply requirements and system losses of 77.5 GL in 2022-23. Calculated as: system losses of 50.2 GL plus Essential Requirements of 109.9 GL minus 82.6 GL of minimum storage & usable tributary inflows for the second 12 months of 24-month minimum inflow period starting 1 July 2021. Essential Requirement includes minimum 75% High Security (HS) opening allocation and 100% to all other high priority licences.
- (4) The water remaining in General Security (GS) accounts yet to be ordered and delivered. It is calculated by subtracting the usage (inclusive of Uncontrolled Flow takes) from the water already allocated to GS.
- (5) Surplus (or deficit) of water available after accounting for all commitments. The surplus of 32.6 GL signifies the additional resources available, out of which 3.9 GL is used to take GS allocation for 2020-21 to maximum 100%. The remaining unallocated volume is improving the allocation reliability of the next year.

# Water Allocation Statement

Water availability and allocation update



## Resource Distribution: 1 March 2021 to 30 June 2023 Hunter Regulated River Water Source



Subscribe [here](#) to receive the Department of Planning, Industry and Environment's monthly email update on water planning, management and reform in New South Wales.