

8 October 2021

## Namoi Regulated River Water Sources

### Water allocation update

Rainfall has continued to provide inflows into the Namoi Valley. As a result there has been an improvement in resources, particularly in headwater storage, to allow for the following allocation:

- **Lower Namoi general security allocation to increase by 4.3%**, resulting in a total allocation of 46.5% to date for the current 2021-22 water year.

All other categories of licence in the Upper and Lower Namoi Regulated River Water Source were assigned full allocations on 1 July and remain unchanged.

2021-22	High Security	General Security
Upper Namoi Regulated River	100%	100%
Lower Namoi Regulated River	100%	46.5%

### Storage levels (as at 8 October 2021)

- Split Rock Dam is 45.4% full – holding approximately 182 gigalitres (GL).
- Keepit Dam is 98.4% full – holding approximately 419 GL.

### Key facts

- During September, the upper catchment experienced average to above average rainfall, receiving approximately 25 to 100 mm of rain.
- Inflows into headwater storages included 29.7 GL for Keepit and 7.4 GL for Split Rock Dam.
- Critical requirements for Manilla and Barraba townships are secure for the next 24 months and beyond, based on assumed minimum future inflows to Split Rock Dam.
- Downstream tributary inflows have met the end-of-system targets at Walgett.

### Seasonal climate and streamflow outlooks

The Bureau of Meteorology's seasonal outlook for next three months indicates that rainfall is likely to be above median across the catchment. Overnight temperatures are likely to be above average.

Further details at: [www.bom.gov.au/climate/outlooks/#/overview/summary](http://www.bom.gov.au/climate/outlooks/#/overview/summary)

The Bureau of Meteorology issues a seasonal flow forecast for the unregulated Namoi River at North Cuerindi (see Figure 1). This may provide an indication of potential inflows into Keepit Dam. The forecast quantiles of total streamflow volume from September to November are higher than

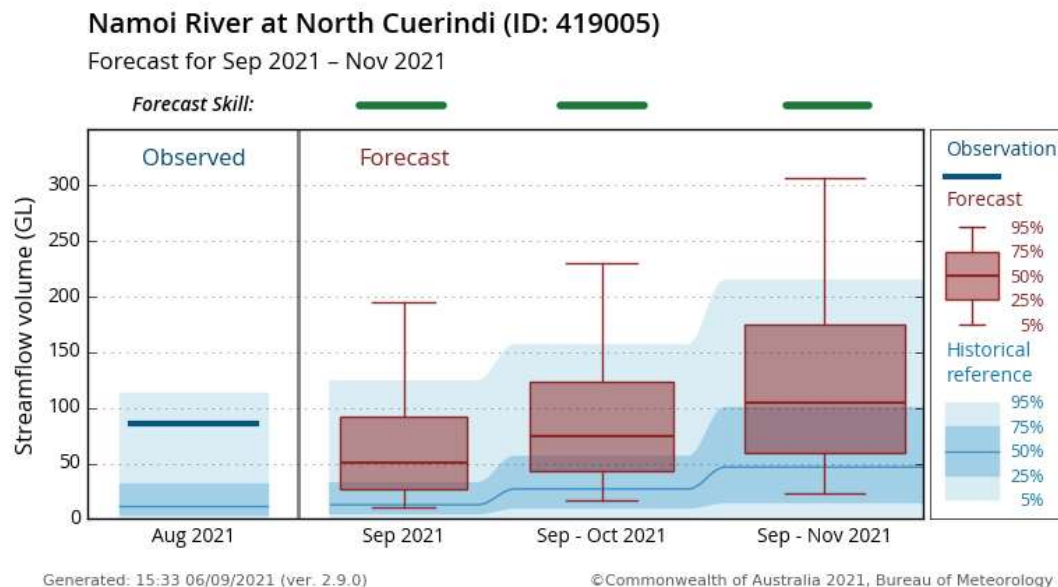
# Water Allocation Statement

Water availability and allocation update



the historical quantile references, indicating likely higher runoff than historical streamflow conditions for the next few months.

Details can be found at: [www.bom.gov.au/water/ssf/](http://www.bom.gov.au/water/ssf/)



## Resource assessment data sheet

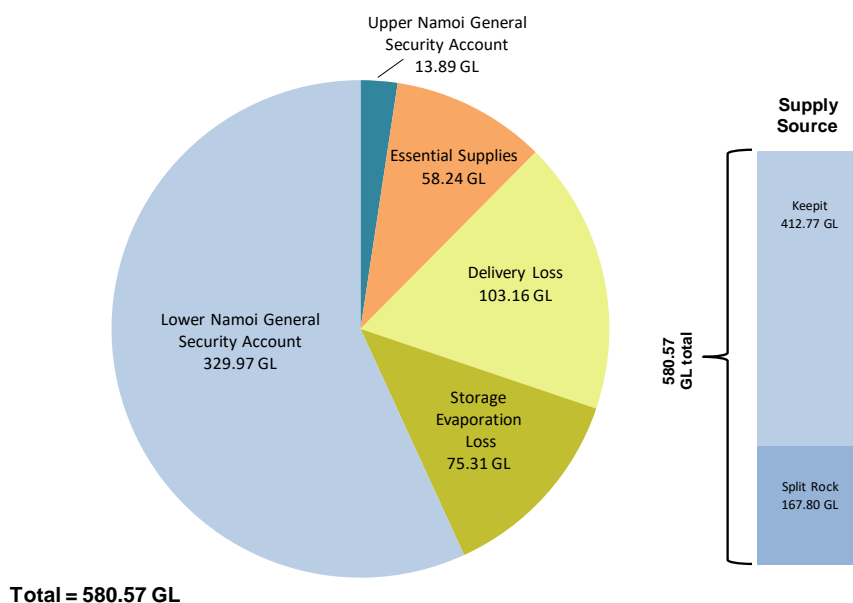
Resource distribution (as at 30 September 2021)	GL
Keepit and Split Rock Active Volumes	580.57
<i>less</i>	
Storage Evaporation Loss <sup>(1)</sup>	75.31
Essential Supplies <sup>(2)</sup>	58.24
Lower Namoi General Security Account	329.97
Upper Namoi General Security Account	13.89
Delivery Loss <sup>(3)</sup>	103.16
Surplus (deficit) <sup>(4)</sup>	0.0

### Notes:

- <sup>(1)</sup> Storage Evaporation Loss: evaporation loss based on forecast storage behaviour and maximum historical evaporation rates over 2 years.
- <sup>(2)</sup> Essential Supplies: water required to be set aside under water sharing plans to provide for Stock & Domestic, Towns, High Security and riverine environments. Includes Gunidgera/Pian stock and domestic replenishments, delivery loss allowance and end-of-system flow requirements. This commitment is offset by minimum forecast inflows into the storages.
- <sup>(3)</sup> Delivery Loss: This account reflects the water needed to deliver general security water. Traditionally, a 30% delivery loss has been budgeted for this river system. The budget is continually assessed and topped up if necessary as a priority from resource improvements, to ensure that allocated water can be delivered.
- <sup>(4)</sup> All available water resources have been fully allocated with no surplus left. The system is secure for next 24 months and beyond with no deficit.

# Water Allocation Statement

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## Resource assessment data sheet as at 30 September 2021

Volumes in GL	Budget	Current	Additional	Balance
Storage Evaporation Loss	75.31	74.39	0.92	75.31
Essential Supplies for next 24 months (58.2 GL max)	58.24	55.16	3.08	58.24
General Security Delivery Loss	103.16	84.57	18.59	103.16
Upper Namoi General Security (11.4 GL max)		13.89	0.00	13.89
Lower Namoi General Security (491.8 GL max)		319.40	10.57	329.97
Additional Resource for Sharing		33.16	-33.16	0.00
<b>Total</b>		<b>580.57</b>	<b>0.00</b>	<b>580.57</b>

Lower Namoi (General Security)	Value	Unit
Incremental Increase CREDITED	10.57	GL
Available Water Determination	0.043	ML per unit share

## Further information

The next monthly water allocation statement for the Namoi Regulated River Water Source will be available on **Friday 5 November 2021**.

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