

5 July 2024

# Namoi Regulated River Water Sources

## Water allocation update

There is no increase in allocation for General Security (GS) licences in the Lower Namoi regulated river water sources at this time. The total Lower Namoi general security account balance is about 311.6 gegalitres (GL), or 127% of entitlement. The balance has slightly increased from last month mainly due to water traded in from Upper Namoi water source.

All other licence categories in the Upper and Lower Namoi regulated river water sources received their maximum allocation for the current water year apart from supplementary water access licence holders, who received an allocation of 42% of entitlement due to growth-in-use measures.

This resource assessment is based on information to 30 June 2024. Any changes in resources from this date forward will be captured in the next resource assessment.

## Current allocation

5 July 2024	Allocation increment	Average Account Balance
Upper Namoi Regulated River	_*	100% <sup>+</sup>
Lower Namoi Regulated River	0%	127%

\* Reached maximum (100%) on 1 July 2024. <sup>+</sup>Account Balance excludes adjustments for temporary trade.

## Dam levels (as of 4 July 2024)

- Split Rock Dam is 96.2% full, holding around 382 GL.
- Keepit Dam is 41.9% full, holding around 181 GL.

## Key information

- All higher priority water users received their maximum (100%) allocation on 1 July 2024.
- General security licence holders in the Upper Namoi regulated river received their maximum (100%) allocation on 1 July 2024.
- Supplementary licence holders have received a reduced allocation of 0.42 ML/unit share due to the required implementation of growth-in-use measures. For more information, please visit

[https://water.dpie.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0019/615142/LTAAEL-compliance-report-namoi-2022-23.pdf](https://water.dpie.nsw.gov.au/__data/assets/pdf_file/0019/615142/LTAAEL-compliance-report-namoi-2022-23.pdf)

- In June, Keepit Dam and Split Rock Dam inflows were about 11.6 GL and 3.0 GL, respectively.
- Depending on inflows in coming months, a bulk water transfer from Split Rock Dam to Keepit Dam may not be required before November 2024.
- General security usage for June was about 1.6 GL for the Lower Namoi regulated river water source.
- Based on the current assessment, essential supplies are secure for 24 months and beyond. This includes demands from Manilla and Barraba townships.

## Summary of last water year (2023/24)

The 2023/24 water year saw moderate conditions, with no significant wet or dry periods. However, the Namoi catchment observed below-average rainfall. Split Rock Dam stayed above 95% full on average, but Keepit Dam decreased significantly from 96% to 39% over the water year.

General security account balance in the Lower Namoi began the 2023/24 water year with a total of 486 GL, which included the increase of 15% of entitlement on 7 July 2023. General security allocations continued during the 2023/24 water year, with six additional increments. The total closing account balance for Lower Namoi general security licenses was 308 GL or an average 126% of entitlement.

In 2023/24, Lower Namoi supplementary water users received a reduced allocation of 0.36 ML/unit share in response to the exceedance of long-term extraction limits. There was only one supplementary event in the water year in June 2024.

## Climate and Streamflow Outlooks

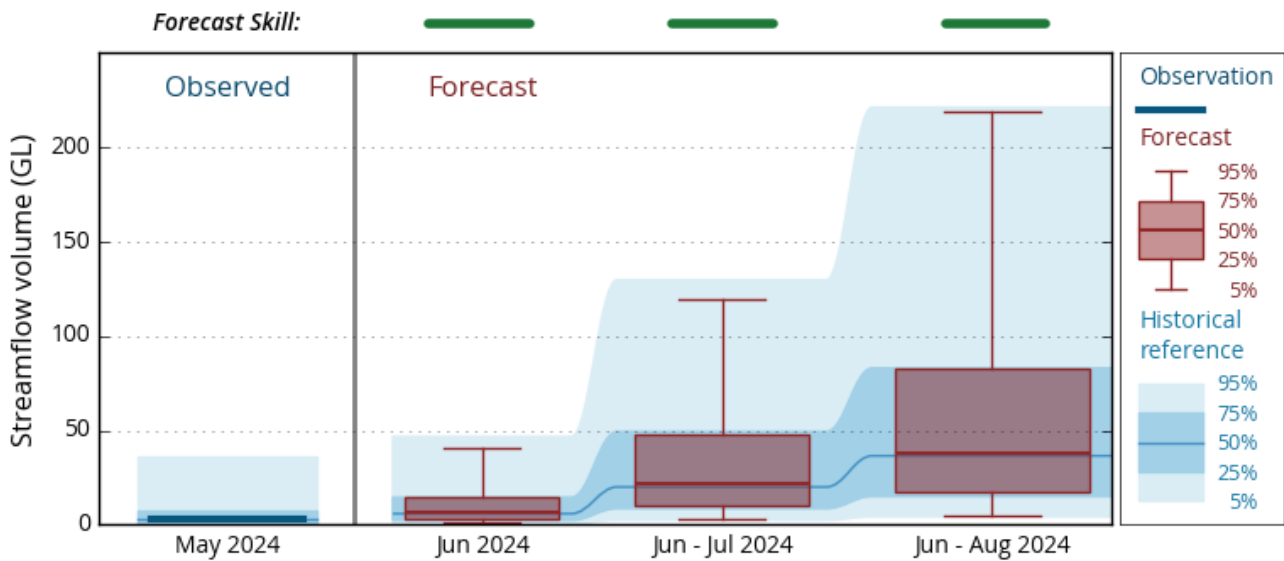
The Bureau of Meteorology's seasonal outlook for July to September 2024 indicates that rainfall in the Namoi valley is likely to be above median. Over this period, maximum temperatures and minimum temperatures are likely to be above median in the catchment.

For further details, see: [Overview – Summary - Climate Outlooks \(bom.gov.au\)](#)

The Bureau of Meteorology issues a seasonal flow forecast for the unregulated Namoi River at North Cuerindi (see the figure below). This may indicate potential future inflows into Keepit Dam. All forecast quantiles of total flow volumes from June to August 2024 are similar to the historical flows, indicating inflows are likely to be similar to flows. The graph for June to August 2024 is given below, and updates can be found at: <http://www.bom.gov.au/water/ssf/#id=419005>

### Namoi River at North Cuerindi (ID: 419005)

Forecast for Jun 2024 – Aug 2024



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## Resource Assessment Data Sheet

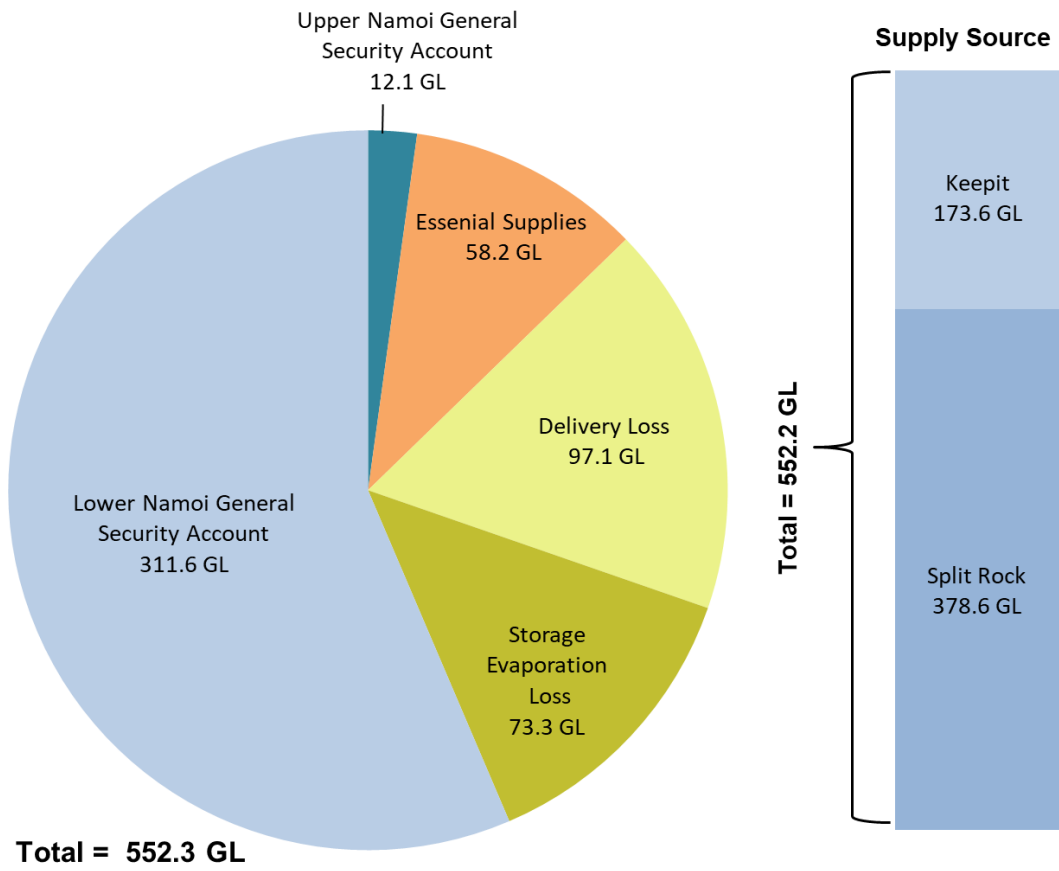
Resource distribution (as at 30 June 2024)	Volume (GL)
Keepit Dam and Split Rock Dam active volumes	552.2
<i>less</i>	
Storage Evaporation Loss <sup>(1)</sup>	73.3
Essential Supplies <sup>(2)</sup>	58.2
Lower Namoi General Security account balance	311.6
Upper Namoi General Security account balance	12.1
Delivery Loss <sup>(3)</sup>	97.1
<i>equals</i>	
Surplus (deficit) <sup>(4)</sup>	(0.1)

### Notes:

- (1) Evaporation loss is based on forecast storage depletion and the maximum historical evaporation rates over 24 months.
- (2) Water is required to be set aside under the water sharing plan to provide for domestic, stock, 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.
- (3) Delivery loss budget reflects the water reserved to deliver general security water. Traditionally, a 30% delivery loss has been budgeted for this river system. The loss reserve is continually assessed and, if necessary, topped-up as a priority from resource improvements, to ensure that allocated water can be delivered in most circumstances.
- (4) There is a small deficit of 0.1 GL. This is mainly in the general security delivery loss budget, which will be closely monitored.

### Resource Distribution as at 30 June 2024

#### Namoi Regulated River Water Sources



## Namoi resource assessment

- Previous Assessment date: 31 May 2024
- Current Assessment date: 30 June 2024

Storage volume	Committed Volume (GL)	Remaining Balance (GL)
Split Rock plus Keepit		561.9
Dead storage	9.7	552.2
Storage evaporation loss	72.4	479.9
<b>Essential Supplies</b>		
Brought forward from last assessment	58.2	
Uses and associated loss since last assessment	-0.8	
Allocation assignment from High Security to General Security	-1.3	
Transfer to General Security delivery loss	-0.4	
Current balance	55.8	424.0
<b>Upper Namoi/Manilla Rivers</b>		
Brought forward from last assessment	4.4	
Ordered since last assessment	0.0	
Allocation assignments from Upper Namoi to Lower Namoi	-3.6	
Allocation assignments from Lower Namoi to Upper Namoi	0.0	
Current balance	0.8	423.3
<b>General Security (D/S Keepit)</b>		
Brought forward from last assessment	308.4	
Orders since assessment period	-1.6	
Allocation assignments into Lower Namoi (from HS & Upper Namoi)	4.9	
Allocation assignments to Upper Namoi (from Lower Namoi g/s)	0.0	
Current balance	311.7	111.6
<b>Delivery Loss</b>		
Brought forward from last assessment	93.8	
Apparent losses since last assessment	0.0	
Credit from Essential Supplies (for allocation assignments to GS)	0.4	

Current balance	93.7	17.9
<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		0.0
Essential supply loss	33%	0.0
General Security loss	67%	0.0
<b>Resource available for sharing</b>		
Total		17.9

### Resource assessment data sheet as at 30 June 2024

Volumes in GL	Budget	Current	Additional	Balance
Storage Evaporation Loss	73.3	72.4	0.9	73.3
Essential Supplies for next 24 months (58.2 GL max)	58.2	55.8	2.4	58.2
General Security Delivery Loss	97.1	93.7	3.3	97.0
Upper Namoi General Security (12.07 GL max)*		0.8	11.3	12.1
Lower Namoi General Security (490.8 GL max)*		311.7	0.0	311.7
Additional Resource for Sharing		17.9	-17.9	0.0
<b>Total</b>		<b>552.2</b>	<b>0.0</b>	<b>552.2</b>

\*Temporary trade may exceed this limit.

Lower Namoi (General Security)	Value	Unit
Incremental Increase CREDITED	0.0	GL
Available Water Determination	0.0	ML per unit share

### Upper Namoi water allocation history for 2024/25

Date	License Category	Increment	Total 2024/25
1-Jul	Domestic & Stock	100%	100%*
1-Jul	Local Water Utility	100%	100%*
1-Jul	High Security	1.00 ML/unit share	1.00 ML/share*
1-Jul	General Security	1.00 ML/unit share	1.00 ML/share*

\* Maximum allowable.

## Lower Namoi water allocation history for 2024/25

Date	License Category	Increment	Account balance
1-Jul	Domestic & Stock	100%	100%*
1-Jul	Local Water Utility	100%	100%*
1-Jul	High Security	1.00 ML/unit share	100%*
1-Jul	Supplementary	0.42 ML/unit share	42%

\* Maximum allowable.

## Storage volume prediction

Storage outlook for the assessment horizon is provided below. It shows that with current commitments and an assumed repeat of historical minimum inflows and median inflows together with forecast demands, the combined storage of Keepit and Split Rock Dams will reduce to a minimum by the end of December 2025 after which recovery would be expected.

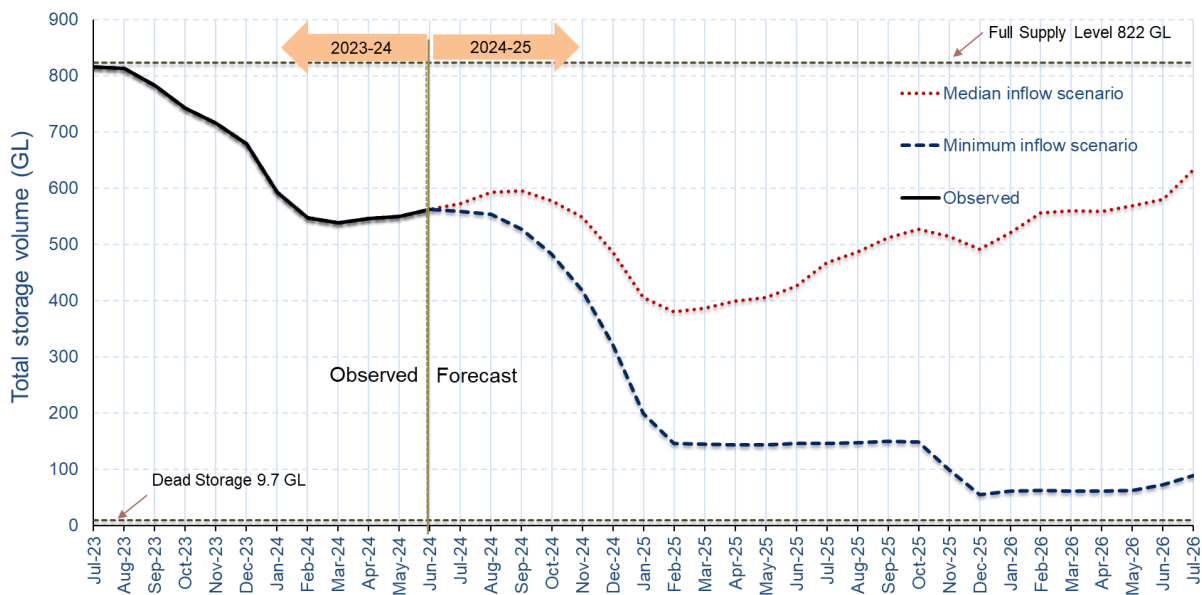


Figure: Combined Keepit and Split Rock storage volumes

## Water Allocation Guide

The NSW Department of Climate Change, Energy, the Environment and Water produced a series of guides to describe the water allocation methods for most NSW regulated river systems. The guide for this water source is available at the following link.

For further details: <https://water.dpie.nsw.gov.au/our-work/allocations-availability/allocations/how-water-is-allocated/resource-assessment-process>

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## Further information

The next routine monthly water allocation statement for this water source will be available on **Wednesday, 7 August 2024**.

Information on available water determinations and water sharing plans is available on the Department of Climate Change, Energy, the Environment and Water website: [Water \(nsw.gov.au\)](https://www.nsw.gov.au/water)

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