

10 October 2022

Namoi Regulated River Water Sources

Water allocation update

Improvement in resources in August allows for the following allocation:

- **Lower Namoi general security allocation to increase by 35% of entitlement.**

The total Lower Namoi general security account balance, including this new available water determination (AWD), is approximately 480 gegalitres (GL), with an average account balance of 195% of entitlement. All other licence categories in the Upper and Lower Namoi regulated systems received their full allocation for the current water year.

This resource assessment is based on information to 30 September 2022. Any changes in resources from this date forward will be captured in the October resource assessment.

Current allocations

2022/23	General Security	Account Balance
Upper Namoi Regulated River	100%	100%*
Lower Namoi Regulated River	40%	~195%^

* Maximum allowable account balance, excluding trade, is 100%. Temporary (or allocation) trade may increase the individual account balance of water licence above 100%.

^ Average account balance, maximum allowable is 200%.

Dam levels (as of 10 October 2022)

- Split Rock Dam is about 102% full – holding approximately 406 GL.
- Keepit Dam about 94% full – holding approximately 399 GL.

Key information

- For September, the Namoi catchment experienced very much above average rainfall to the highest on record rainfall, receiving between 100 to 200 mm.
- Inflows from the upper catchment continued in September, with Keepit and Split Rock dams receiving approximately 193.7 GL and 76.4 GL respectively.
- Approximately 207.3 GL was released in September from Keepit Dam for airspace operations.
- Based on the current assessment, it is forecast that essential supplies will be secure for at least the next 24 months.
- Critical requirements for Manilla and Barraba townships are secure for at least the next 24 months based on assumed minimum future inflows into Split Rock Dam.

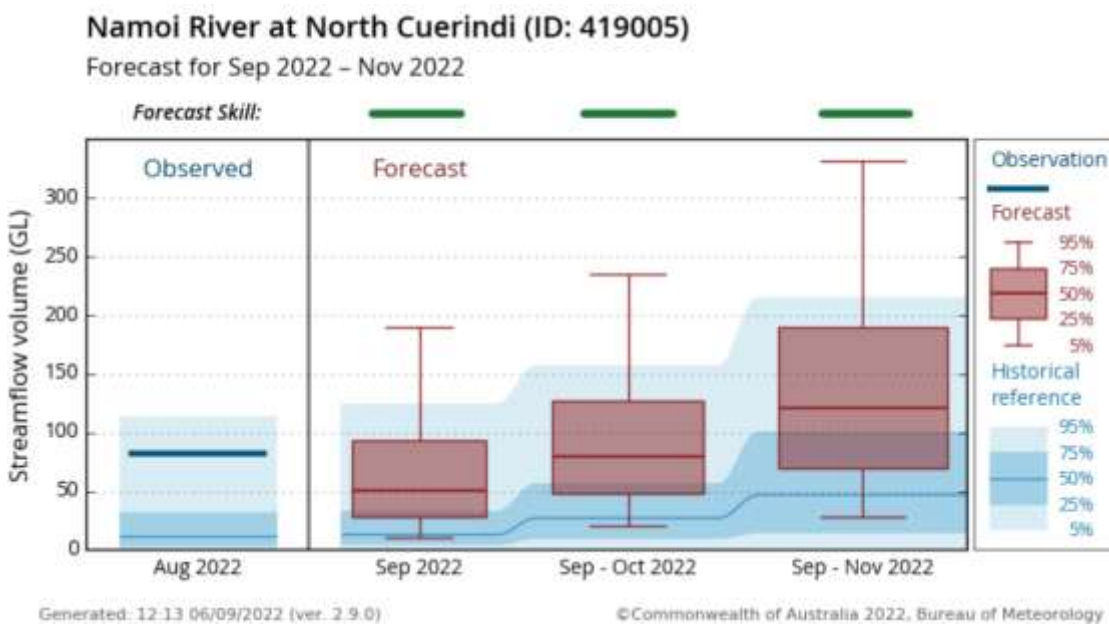
Climate and streamflow outlooks

The Bureau of Meteorology’s seasonal outlook for October to December indicates rainfall is likely to be above the median across the catchment. The maximum temperature over this period is expected to be cooler than median and minimum temperatures are likely to be median or cooler across the catchment.

Further details at: 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. This may provide an indication for potential future inflows into Keepit Dam. The forecast quantiles over September to November are higher than the historical reference quantiles, with the forecast indicating a high chance of above median flows.

Further details at: www.bom.gov.au/water/ssf/#id=419005



Resource assessment data sheet

Resource distribution (as at 30 September 2022)	Volume (GL)
Keepit Dam and Split Rock Dam active volumes	788.4
<i>less</i>	
Storage Evaporation Loss ⁽¹⁾	88.0
Essential Supplies ⁽²⁾	58.2
Lower Namoi General Security account balance	480.0
Upper Namoi General Security account balance	14.0
Delivery Loss ⁽³⁾	148.2
<i>equals</i>	

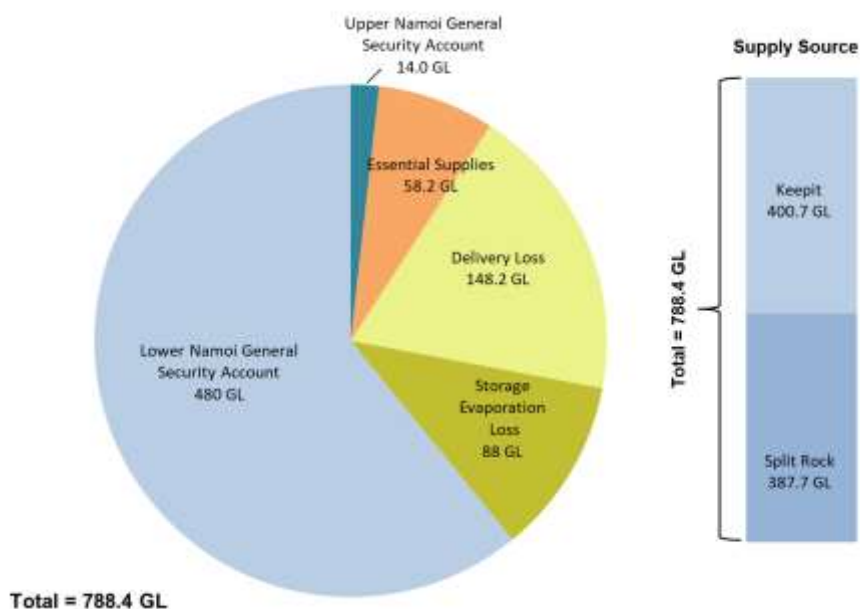
Surplus (deficit) ⁽⁴⁾

(0)

Notes:

- (1) Storage Evaporation Loss: evaporation loss based on forecast storage behaviour and maximum historical evaporation rates over 2 years.
- (2) Essential Supplies: water 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: 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, if necessary, topped up as a priority from resource improvements to ensure that allocated water can be delivered.
- (4) All available water resources have been allocated. There is no deficit for this month. The system can assure essential supplies for at least 24 months.

**Resource Distribution as at 30 September 2022
Namoi Regulated River Water Sources**



Resource assessment data sheet as at 30 September 2022

Volumes in GL	Budget	Current	Additional	Balance
Storage Evaporation Loss	87.9	84.75	3.15	87.90
Essential Supplies for next 24 months (58.2 GL max)	58.24	0.00	58.24	58.24
General Security Delivery Loss	148.21	117.71	30.50	148.21
Upper Namoi General Security (12.07 GL max)		14.03	0.00	14.03
Lower Namoi General Security (491.8 GL max)		436.82	43.18	480.00
Additional Resource for Sharing		135.07	-135.07	0.00

Total	788.39	0.00	788.39
Lower Namoi (General Security)	Value	Unit	
Incremental Increase CREDITED	43.18	GL	
Available Water Determination	0.35	ML per unit share	

Upper Namoi water allocation history for 2022/23

Date	License Category	Increment	Total 2022/23	Average Account Balance
1-Jul	Domestic & Stock	100%	100%*	100%*
1-Jul	Local Water Utility	100%	100%*	100%*
1-Jul	High Security	1.00 ML/unit share	1.00 ML/share*	100%*
1-Jul	General Security	1.00 ML/unit share	1.00 ML/share*	100%*

* Maximum allowable.

Lower Namoi water allocation history for 2022/23

Date	License Category	Increment	Total 2022/23	Average Account Balance
1-Jul	Domestic & Stock	100%	100%*	100%*
1-Jul	Local Water Utility	100%	100%*	100%*
1-Jul	High Security	1.00 ML/unit share	1.00 ML/share*	100%*
1-Jul	Supplementary	1.00 ML/unit share	1.00 ML/share*	100%*
7-Sep	General Security	0.05 ML/unit share	0.05 ML/unit share	178%
10-Oct	General Security	0.35 ML/unit share	0.40 ML/unit share	~195% [^]

* Maximum allowable.

[^] Average account balance.

Water allocation guide

The NSW Department of Planning and Environment – Water has produced a series of guides to describe the water allocation methods for most NSW regulated river systems. The guide for the Namoi regulated river water source is available at the link below:

www.industry.nsw.gov.au/water/allocations-availability/allocations/how-water-is-allocated/resource-assessment-process

Further information

The next monthly water allocation statement for the Namoi Regulated River Water Source will be available on **Monday 7 November 2022**.

Information on available water determinations and water sharing plans is available on the Department of Planning and Environment website: www.industry.nsw.gov.au/water

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