

7 November 2022

Namoi Regulated River Water Sources

Water allocation update

There is no increase in allocations for Lower Namoi general security entitlements this month. The total Lower Namoi general security account balance remains at approximately 480 gigalitres (GL), with an average account balance of 195% of entitlement. All other licence categories in the Upper and Lower Namoi regulated systems have received their full allocation for the current water year. There is ongoing access to supplementary water in the Lower Namoi.

This resource assessment is based on information to 31 October 2022. Any changes in resources from this date forward will be captured in the November resource assessment.

Current allocations

2022/23	General Security AWDs	Average 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 trade may increase the individual account balance of water licence above 100%.

^ Average account balance, maximum allowable is 200%.

Dam levels (as of 7 November 2022)

- Split Rock Dam is about 101% full – holding approximately 401 GL.
- Keepit Dam about 96% full – holding approximately 406 GL.

Key information

- During October, the Namoi catchment experienced above average to very much above average rainfall, receiving between 100 to 300 mm.
- Inflows from the upper catchment continued in October, with Keepit and Split Rock dams receiving 527.6 GL and 187.6 GL, respectively.
- Approximately 541 GL was released in October from Keepit Dam and 175 GL was released from Split Rock Dam for airspace operations.
- Based on the current assessment, essential supplies are secure for at least 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.

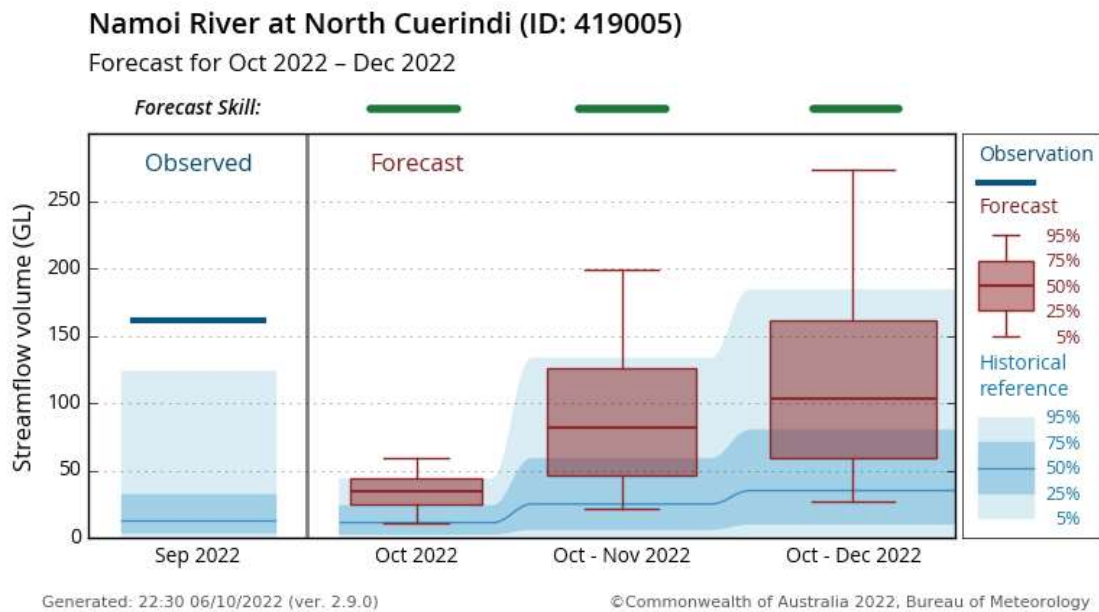
Climate and streamflow outlooks

The Bureau of Meteorology’s seasonal outlook for November 2022 to January 2023 indicates rainfall is likely to be above the median across the catchment. The maximum and minimum temperature over this period is expected to be cooler than median.

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 October to December 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



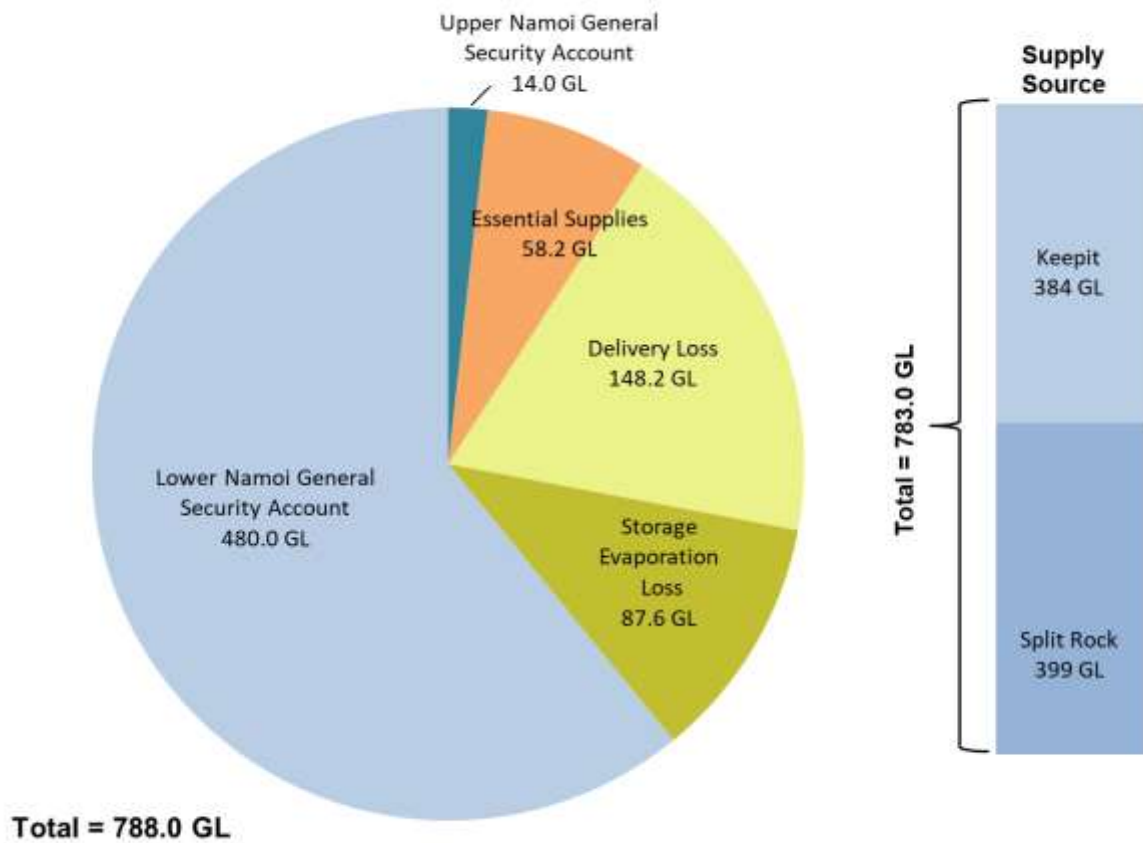
Resource assessment data sheet

Resource distribution (as at 31 October 2022)	Volume (GL)
Keepit Dam and Split Rock Dam active volumes	783.0
<i>less</i>	
Storage Evaporation Loss ⁽¹⁾	87.6
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⁾	(5)

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. The system can assure essential supplies for at least 24 months.
- (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 a small resource deficit (5 GL), which has been resolved by inflows in early November. All commitments are currently deliverable.

**Resource Distribution as at 31 October 2022
Namoi Regulated River Water Sources**



Resource assessment data sheet as at 31 October 2022

Volumes in GL	Budget	Current	Additional	Balance
Storage Evaporation Loss	87.63	87.90	-0.27	87.63
Essential Supplies for next 24 months (58.2 GL max)	58.24	0.00	58.24	58.24
General Security Delivery Loss	148.19	41.72	101.45	143.17
Upper Namoi General Security (12.07 GL max)		14.00	0.00	14.00
Lower Namoi General Security (491.8 GL max)		479.97	0.00	479.97
Additional Resource for Sharing		159.41	-159.41	0.00
Total		783.01	0.00	783.01

Lower Namoi (General Security)	Value	Unit
Incremental Increase CREDITED	0.00	GL
Available Water Determination	0.00	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%*

Date	License Category	Increment	Total 2022/23	Average Account Balance
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:

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 **Wednesday 7 December 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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