



5 December 2016

Namoi Valley

Water allocation update – November 2016

Allocations

Lower Namoi regulated river general security water users will receive an **increase in allocation of 5.94 per cent, bringing the total allocation in the 2016/17 water year to 123.31 per cent of entitlement.**

This increase in allocation is the result of inflows to Keepit Dam from rainfall events in early November.

All other categories of licence in the Lower and Upper Namoi valleys have already received the maximum allocation for the 2016-17 water year.

	High Security	General Security
Upper Namoi valley	100%	100%
Lower Namoi valley	100%	123.31%

Dam levels (as at 05 December)

- Keepit Dam is 98 per cent full – falling - holding 418,000 megalitres (ML).
- Split Rock Dam is 31 per cent full – falling - holding 125,000 ML.

Key facts

- Most of the requirements of the regulated river were met during November by in-channel flows, primarily from the Peel River.
- Irrigation demand was still low last month as on-farm water storages, full from the wet conditions in winter and early-spring, met most of the demand. Many of these storages are likely to be low or depleted.
- Releases from Keepit Dam are expected to increase towards the end of the year as both the temperature and downstream irrigation requirements rise.

Seasonal rainfall outlook

The Bureau of Meteorology has forecast a less than 30 per cent chance of median rainfall being exceeded in the Namoi Valley during December 2016. The climate outlook for summer (December to February) shows that the rainfall is likely to be below average over the valley.

The current outlook reflects a negative Southern Annular Mode and a weak La Niña-like pattern in the Pacific Ocean, including warmer than average waters to the northwest of

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Australia. As a result, days and nights are likely to be warmer than average in coming months.

Further information

The next monthly Water Allocation Statement for the Namoi regulated river water sources will be issued **mid-January 2017**.

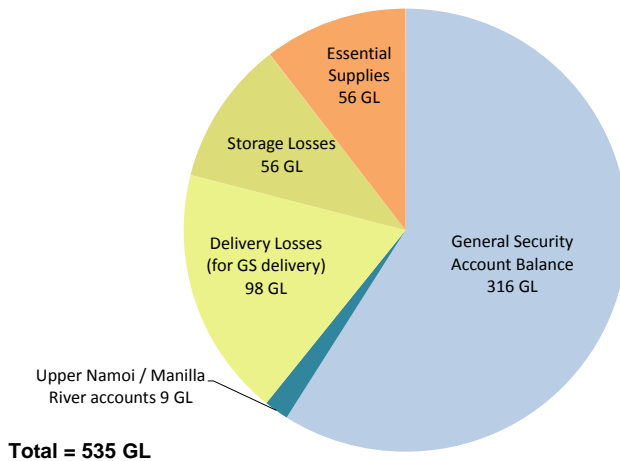
Information on available water determinations and water sharing plans is available on the DPI Water website - www.water.nsw.gov.au

Namoi Resource Assessment Data Sheet

Resource Distribution (as at 01 December 2016)	
	Volume (GL)
Available Resource ⁽¹⁾	535.59
less	
Storage Losses ⁽²⁾	56.43
Essential Supplies ⁽³⁾	56.00 (100%)
General Security Account Balance	315.95
Upper Namoi/Manilla River accounts	9.56 (100%)
Delivery Loss Account	97.66 (30% of GS)

*See notes below.

**Resource Distribution as at 01 December 2016
Namoi Valley**



Notes:

- (1) Available Resource (535 GL) – includes total active storage (Split Rock & Keepit Dams).
- (2) Storage Losses – evaporation loss based on forecast storage behaviour over 2 years.
- (3) Essential Supplies – water required to be set aside under water sharing plans to provide for Towns, Stock, Domestic, 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.

Namoi resource assessment

- Previous Assessment date: 31 October 2016
- Current Assessment date: 30 November 2016

Storage volume	Committed Volume (GL)	Remaining Storage Balance (GL)
Total (Split Rock plus Keepit)		545.29
Dead storage	9.70	535.59
Storage Loss Committed (projected 2 years)	55.62	479.97

Essential Supplies	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	56.00	
Used and associated loss since last assessment	-0.70	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	55.30	424.67

Upper Namoi/Manilla Rivers	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	10.20	
Ordered since last assessment	-0.54	
Allocation Assignments from Upper Namoi to Lower Namoi	-0.10	
Current balance	9.56	415.11

General Security (D/S Keepit)	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	303.05	
Orders since assessment period	-1.61	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi)	0.10	
Current balance	301.55	113.57

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	93.97	
Apparent losses since last assessment	-2.30	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	91.67	21.89

Apparent Losses since last assessment	% of loss	GL
Total		2.67
Essential Supply Loss	14%	0.36
General Security Loss	86%	2.30

Resources available for sharing	GL
Total	21.89

New balances	Limit	Commitments		Balance
		Current	Additional	
		GL	GL	
Storage Loss	56.43	55.62	0.81	56.43
Essential Supplies	56.00	55.30	0.70	56.00
Upper Namoi / Manilla River	9.81	9.56	0.00	9.56
Delivery Loss	150.94	91.67	5.98	97.66
General Security Irrigation	493.40	301.55	14.40	315.95
Uncommitted resources	-	21.89	-21.89	0.00
Total	-	535.59	0.00	535.59

Recommendations Upper Namoi (General Security)	Value	Unit
Incremental Increase CREDITED	0.00	GL
Available Water Determination	0.0000	ML per unit share

Recommendations Lower Namoi (General Security)	Value	Unit
Incremental Increase CREDITED	14.40	GL
Available Water Determination	0.0594	ML per unit share