



07 February 2017

Namoi Valley

Water allocation update – to end of January 2017

Allocations

Lower Namoi general security water licence holders have received an **increase in allocation of 0.56 per cent, bringing the current allocation to 124.67 per cent of entitlement so far for the 2016/17 water-year.**

This small increase in allocation is the result of inflows into Keepit Dam from rainfall events in the last week of January.

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

	High Security	General Security
Upper Namoi valley	100%	100%
Lower Namoi valley	100%	124.67%

Dam levels (as at 6 February)

- Keepit Dam is 68 per cent full – falling - holding 292,900 megalitres. This is much higher than at the same time last year, when the storage was only 11 per cent full.
- Split Rock Dam is 30 per cent full – falling - holding 121,300 ML, compared to 6 per cent full at the same time last year.

Key facts

- January was hot across NSW, with many locations in the north breaking records for average daytime, overnight or mean temperatures. Rainfall was above average in the headwater catchment areas, with thunderstorms causing local heavy rain toward the end of the month. Namoi upper storages recorded some small gains in January.
- Unregulated inflows from the Peel catchment contributed little during the month as the catchment began to dry as summer temperatures increased.
- Delivery losses continue to rise with persistent warm and dry conditions, particularly further west.

Seasonal rainfall outlook

According to the Bureau of Meteorology, February is likely to be drier for northern NSW and the three-month rainfall outlook from February to April is likely to be below average throughout the Namoi Valley.

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The next three months are likely to be warmer for eastern Australia, with February to April maximum and minimum temperatures likely to be warmer than average.

The outlook is influenced by a neutral El Niño–Southern Oscillation (ENSO), a neutral Indian Ocean Dipole and fewer passing cold fronts from the south reaching northern parts of Australia as a result of continued higher than average pressure systems across the nation.

Further information

The next monthly Water Allocation Statement for the Namoi regulated river water sources will be issued on **Tuesday 7 March 2017**.

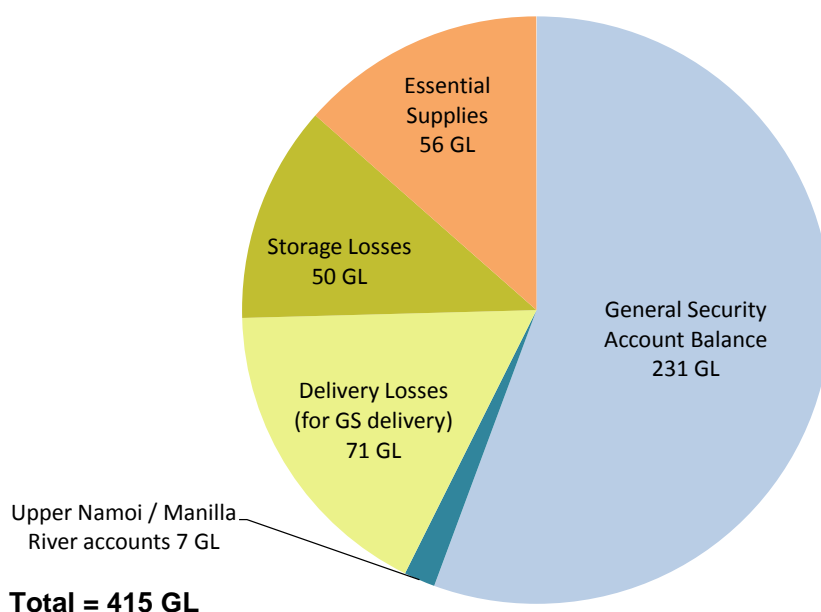
Information on Available Water Determinations and water sharing plans is available on the DPI Water website - www.water.nsw.gov.au

Namoi Resource Assessment Data Sheet

Resource Distribution (as at 01 February 2017)	
	Volume (GL)
Available Resource ⁽¹⁾	415.27
less	
Storage Losses ⁽²⁾	49.60
Essential Supplies ⁽³⁾	56.00 (100%)
General Security Account Balance	231.06
Upper Namoi/Manilla River accounts	7.15
Delivery Loss Account	71.46 (30% of GS)

*See notes below.

Resource Distribution as at 01 February 2017 Namoi Valley



Notes:

- (1) Available Resource (415 GL) – includes total active storage (Split Rock & Keepit Dams).
- (2) Storage Losses – evaporation loss based on forecast storage behaviour and maximum historical evaporation rates 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 December 2016
- Current Assessment date: 31 January 2017

Storage volume	Committed Volume (GL)	Remaining Storage Balance (GL)
Total (Split Rock plus Keepit)		424.97
Dead storage	9.70	415.27
Storage Loss Committed - projected 2 years (brought forward)	54.66	360.61

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	305.31

Upper Namoi/Manilla Rivers	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	8.31	
Ordered since last assessment	-0.52	
Allocation Assignments from Upper Namoi to Lower Namoi	-0.64	
Current balance	7.15	298.16

General Security (D/S Keepit)	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	289.05	
Orders since assessment period	-60.01	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi)	0.64	
Current balance	229.69	68.47

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	89.21	
Apparent losses since last assessment	-22.66	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	66.56	1.91

Apparent Losses since last assessment	% of loss	GL
Total		22.85
Essential Supply Loss	1%	0.19
General Security Loss	99%	22.66

Resources available for sharing	GL
Total	1.91

New balances	Limit	Commitments		Balance
		Current	Additional	
		GL	GL	
Storage Loss	49.61	54.66	-5.06	49.60
Essential Supplies	56.00	55.30	0.70	56.00
Upper Namoi / Manilla River	9.81	7.15	0.00	7.15
Delivery Loss	150.94	66.56	4.91	71.46
General Security Irrigation	493.40	229.69	1.37	231.06
Uncommitted resources	-	1.91	-1.91	0.00
Total	-	415.27	0.00	415.28

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	1.37	GL
Available Water Determination	0.0056	ML per unit share