

Namoi Valley

Water allocation update

Allocations

Lower Namoi general security allocation **remains unchanged at 7.08 per cent of entitlement**. Inflows into the storages were insignificant during the month despite some rainfall events in the latter part of this period.

All other licence categories in the Lower and Upper Namoi valleys have already received their maximum allocation for the 2017/18 water year.

	High Security	General Security
Upper Namoi Valley	100%	100%
Lower Namoi Valley	100%	7.08%

Dam levels (as at 6 March)

- Keepit Dam is 14 per cent full – steady – holding 65,000 megalitres (ML).
- Split Rock Dam is 16 per cent full – steady – holding 67,000 ML.

Key facts

- Major deliveries have now ceased in the Lower Namoi. Water users should liaise closely with WaterNSW in terms of arranging water deliveries under very dry conditions.
- The Bulk Water Transfer from Split Rock to Keepit Dam has been completed as planned.

Seasonal rainfall outlook

The Bureau of Meteorology is forecasting average rainfall conditions during March to May for the catchment. Daytime and night temperatures are likely to be average during this period.

The weak and short-lived LA NIÑA is continuing to breakdown and it is expected that by early to mid-autumn, neutral EL NIÑO–Southern Oscillation (ENSO) conditions will prevail. Historically, the LA NIÑA breakdown has resulted in drier conditions across eastern Australia during autumn.

Australian climate patterns are being influenced by the long-term increasing trend in global air and ocean temperatures, in addition to the natural drivers such as the El Niño–Southern Oscillation and the Indian Ocean Dipole.

Further information

The next allocation announcement for the Namoi regulated river water source will be issued on **Monday 9 April 2018**.

Information on Available Water Determinations and water sharing plans is available on the Department of Industry – Water website - www.water.nsw.gov.au

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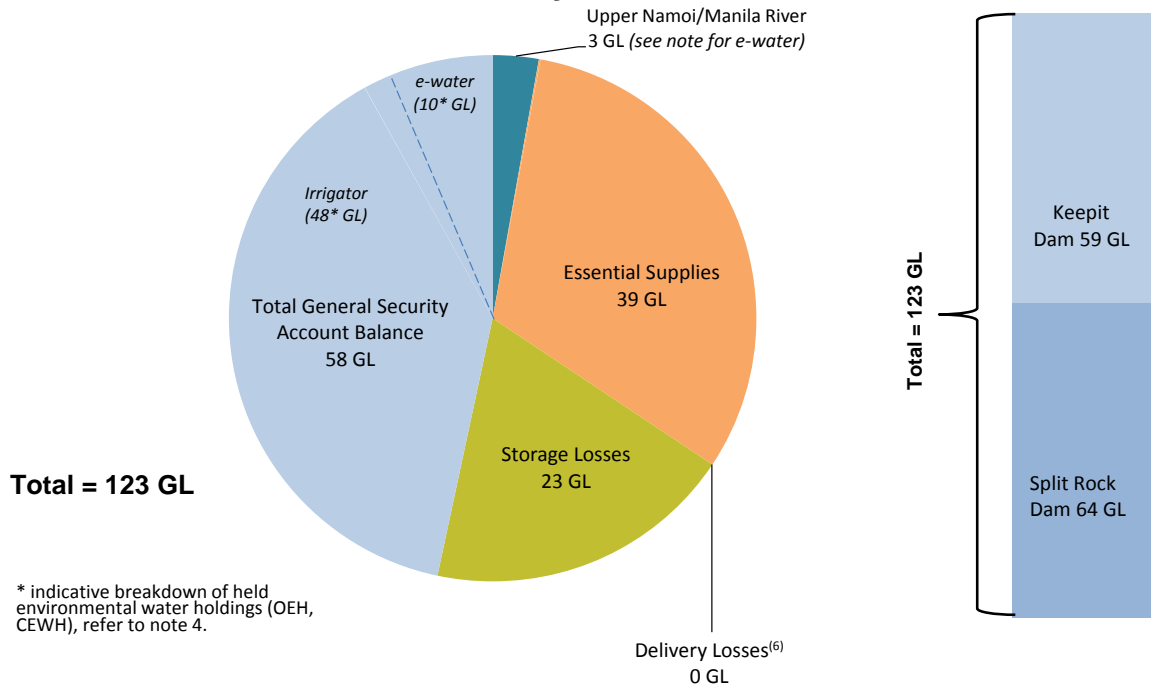
www.water.nsw.gov.au

Namoi Resource Assessment Data Sheet

Resource Distribution (as at 28 February 2018)	
	Volume (GL)
Available Resource ⁽¹⁾	123.53
less	
Storage Losses ⁽²⁾	23.46
Essential Supplies ⁽³⁾	38.88
General Security Account Balance ⁽⁴⁾	57.61
Upper Namoi/Manilla River accounts ⁽⁴⁾	3.58
Peel Trade Account ⁽⁵⁾	0.00
Delivery Loss Account ⁽⁶⁾	0.00

See notes below.

**Resource Distribution as at at 28 February 2018
Namoi Valley**



Notes:

- (1) Available Resource: 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.
- (4) Held environmental water (HEW): as a trial, general security account water administered by environmental water holders is identified in the above pie chart. This reporting of held environmental water is indicative only and, prior to reconciliation of usage and net trade, estimated to be about 10 GL in the Lower Namoi and 0.11 GL in the Upper Namoi. Interested parties should refer to individual Agency websites for more detailed information on held environmental water holdings.
- (5) Peel Trade Account: the Peel water sharing plan, at Clause 86(4), provides for limited allocation assignment from the Peel to the Namoi valleys. It requires a volume to be set aside in Keepit Dam equal to the AWD times 3,000 (maximum of 6,000 ML), for trade from the Peel valley. The current account balance is zero (0) ML meaning all available trade water has been delivered.
- (6) This account reflects the water needed to deliver general security water (delivery losses). Zero balance means that water must be borrowed to continue the delivery of general security water, in accordance with prior practice. It also means that payback of any borrow will occur before further general security allocation increase.

Namoi resource assessment

- Previous Assessment date: 31 January 2018
- Current Assessment date: 28 February 2018

Storage volume	Committed Volume (GL)	Remaining Storage Balance (GL)
Total (Split Rock plus Keepit)		133.23
Dead storage	9.70	123.53
Storage Loss Committed - projected 2 years (brought forward)	27.83	95.70

Essential Supplies	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	39.31	
Used and associated loss since last assessment	-2.99	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	36.31	59.39

Upper Namoi/Manilla Rivers	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	4.19	
Ordered since last assessment	-0.50	
Allocation Assignments from Upper Namoi to Lower Namoi	-0.11	
Current balance	3.58	55.80

General Security (D/S Keepit)	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	91.06	
Orders since assessment period	-33.55	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi & Peel Trade)	0.11	
Current balance	57.61	-1.81

Peel Trade Account	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	0.00	
Trade to general security since last assessment	0.00	
Current balance	0.00	-1.81

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	0.00	
Apparent losses since last assessment	-11.83	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	0.00	-1.81

Apparent Losses since last assessment	% of loss	GL
Total		12.61
Essential Supply Loss	6%	0.77
General Security Loss	94%	11.83

Resources available for sharing	GL
Total	-1.81

New balances	Limit	Commitments		Balance
		Current	Additional	
		GL	GL	
Storage Loss	23.46	27.83	-4.37	23.46
Essential Supplies	67.20	36.31	-2.57	38.88
Upper Namoi / Manilla River	10.90	3.58	0.00	3.58
Delivery Loss	150.94	0.00	0.00	0.00
General Security Irrigation	493.40	57.61	0.00	57.61
Peel Trade Account	0.00	0.00	0.00	0.00
Uncommitted resources	-	-1.81	1.81	0.00
Total	-	123.53	0.01	123.54

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	0.00	GL
Available Water Determination	0.0000	ML per unit share