

## Namoi Valley

### Water allocation update

#### Allocations

The general security allocation in Lower Namoi regulated river water source remains **unchanged at 7.08 per cent of entitlement**.

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 10 January)

- Keepit Dam is 30 per cent full – falling – holding 134,000 megalitres (ML).
- Split Rock Dam is 28 per cent full – steady – holding 114,000 ML.

#### Key facts

- Irrigation deliveries from Keepit storage are steady while delivery losses remain high due to elevated temperatures and generally dry catchments.
- Due to the ongoing dry conditions, a Bulk Water Transfer from Split Rock to Keepit Dam has now commenced and will continue until the end of February 2018.
- Persistence of hot and dry conditions would prompt an early cessation of irrigation deliveries to the western side of the valley (downstream of Bugilbone) in February 2018.

#### Seasonal rainfall outlook

The Bureau of Meteorology is forecasting a wetter than average January to March for the valley catchments. Daytime and night temperatures are likely to be cooler than average in this period.

The Bureau's El Niño-Southern Oscillation (ENSO) outlook continues with LA NIÑA conditions in the tropical Pacific. La Niña events typically bring above average rainfall to eastern Australia during summer. However, the event is forecast to be short-lived and weak, therefore having less influence on rainfall.

#### Further information

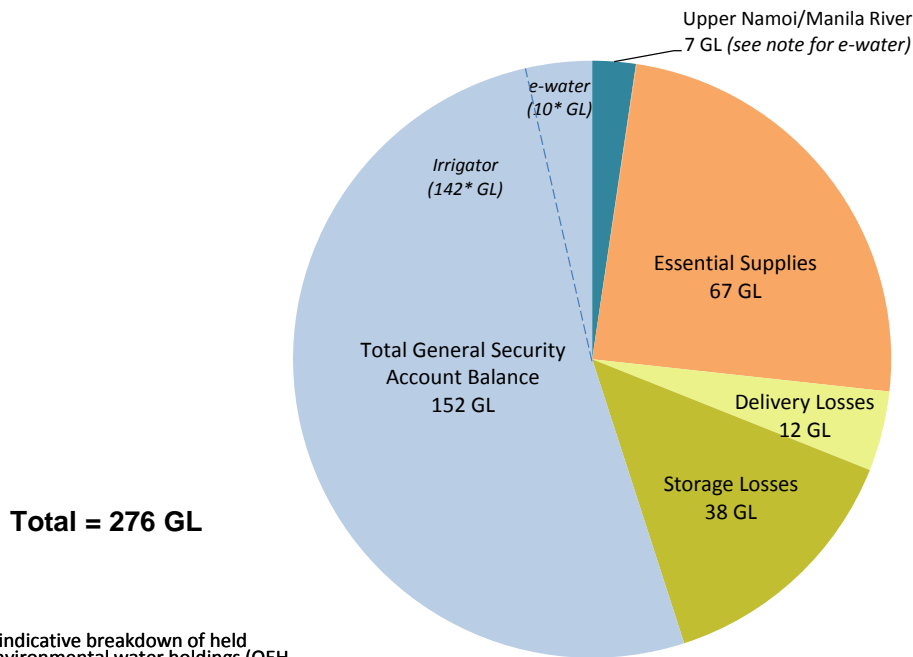
The next allocation announcement for the Namoi regulated river water source will be issued on **Wednesday 7 February 2018**. Information on Available Water Determinations and water sharing plans is available on the Department of Industry – Water website - [www.water.nsw.gov.au](http://www.water.nsw.gov.au)

**Namoi Resource Assessment Data Sheet**

<b>Resource Distribution (as at 31 December 2017)</b>	
	Volume (GL)
Available Resource <sup>(1)</sup>	276.05
<b>less</b>	
Storage Losses <sup>(2)</sup>	38.56
Essential Supplies <sup>(3)</sup>	67.20
General Security Account Balance <sup>(4)</sup>	151.77
Upper Namoi/Manilla River accounts <sup>(4)</sup>	6.58
Peel Trade Account <sup>(5)</sup>	0.00
Delivery Loss Account	11.94

See notes below.

**Resource Distribution as at 31 December 2017  
Namoi Valley**



\* indicative breakdown of held environmental water holdings (OEH, CEWH), refer to note.

**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 holdings.
- (5) Peel Trade Account: the Peel water sharing plan, at Clause 86(4), provides for limited allocation assignment (temporary trade) 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 up to a maximum of 6,000 ML, to support trade from the Peel valley. The trade account balance reduces as trade water is released from storage. The account increases with increases to Lower Namoi general security allocation. The current account balance is zero (0) ML meaning all available trade water has been delivered.

## Namoi resource assessment

- Previous Assessment date: 30 November 2017
- Current Assessment date: 31 December 2017

<b>Storage volume</b>	<b>Committed Volume (GL)</b>	<b>Remaining Storage Balance (GL)</b>
Total (Split Rock plus Keepit)		285.76
Dead storage	9.70	276.06
Storage Loss Committed - projected 2 years (brought forward)	43.75	232.31

<b>Essential Supplies</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	60.63	
Used and associated loss since last assessment	-0.15	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	60.49	171.82

<b>Upper Namoi/Manilla Rivers</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	7.39	
Ordered since last assessment	-0.68	
Allocation Assignments from Upper Namoi to Lower Namoi	-0.12	
Current balance	6.58	165.24

<b>General Security (D/S Keepit)</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	185.38	
Orders since assessment period	-33.73	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi & Peel Trade)	0.12	
Current balance	151.77	13.47

<b>Peel Trade Account</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	0.00	
Trade to general security since last assessment	0.00	
Current balance	0.00	13.47

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	41.39	
Apparent losses since last assessment	-32.25	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	9.14	4.33

<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		32.32
Essential Supply Loss	0%	0.07
General Security Loss	100%	32.25

<b>Resources available for sharing</b>	<b>GL</b>
Total	<b>4.33</b>

<b>New balances</b>	<b>Limit</b>	<b>Commitments</b>		<b>Balance</b>
		Current	Additional	
		GL	GL	
Storage Loss	38.57	43.75	-5.19	38.56
Essential Supplies	67.20	60.49	6.71	67.20
Upper Namoi / Manilla River	10.90	6.58	0.00	6.58
Delivery Loss	150.94	9.14	2.80	11.94
General Security Irrigation	493.40	151.77	0.00	151.77
Peel Trade Account	0.00	0.00	0.00	0.00
Uncommitted resources	-	4.33	-4.33	0.00
Total	-	276.06	-0.01	276.05

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

<b>Recommendations Lower Namoi (General Security)</b>	<b>Value</b>	<b>Unit</b>
Incremental Increase CREDITED	0.00	GL
Available Water Determination	0.0000	ML per unit share