

7 September 2017

## Namoi Valley

### Water allocation update

#### Allocations

Below average rainfall during August produced minor inflows into upper storages. As a result, there was insufficient resource improvement to increase allocations. The Lower Namoi general security allocation therefore **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 7 September)

- Keepit Dam is 68 per cent full – steady – holding 292,000 megalitres (ML), compared to 55 per cent full at the same time last year.
- Split Rock Dam is 30 per cent full – steady – holding 122,000 ML, compared to 14 per cent full at the same time last year.

#### Key facts

- Contribution of inflows from the Peel Valley helped meet the end of system flow target at Walgett and supported riverine health along the length of the Lower Namoi River.
- Irrigation releases are likely to commence soon as the weather warms.
- Despite the current dry conditions, a return to block releases is not planned. However, if dry conditions persist, actions to extend the longevity of critical supplies will be considered, including a bulk water transfer from Split Rock to Keepit Dam to supply Lower Namoi irrigation demand.

#### Seasonal rainfall outlook

The Bureau of Meteorology indicates that some upper Namoi catchment areas are likely to experience an increased chance of above median rainfall during Spring (September to November), with likely warmer than average daytime temperatures.

The Bureau of Meteorology also advises that both of Australia's major climate drivers at this time of year, the El Niño–Southern Oscillation (ENSO) and the Indian Ocean Dipole (IOD), remain neutral. Secondary climate drivers are likely to be affecting the outlook, including sea surface temperatures around the Australian coastline, as well as higher pressures to the south of the continent encouraging more easterly airflow across Australia.

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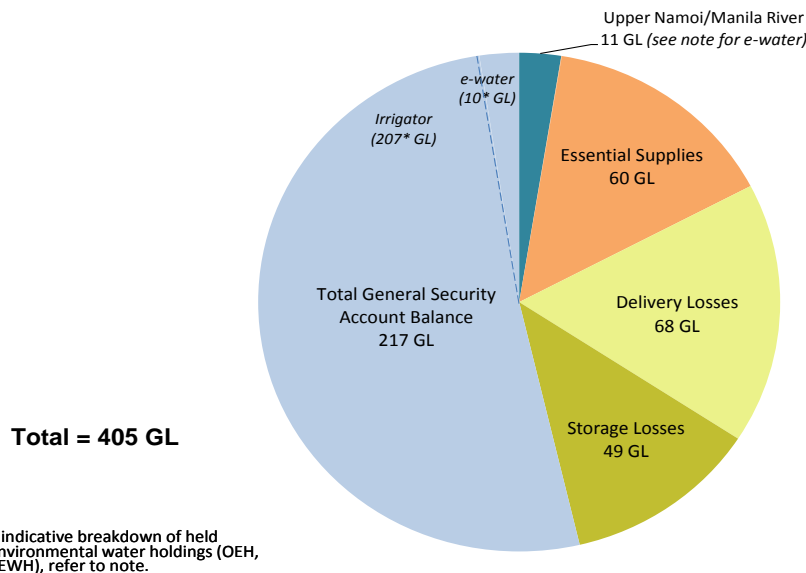
[www.water.nsw.gov.au](http://www.water.nsw.gov.au)

### Namoi Resource Assessment Data Sheet

Resource Distribution (as at 31 August 2017)	
	Volume (GL)
Available Resource <sup>(1)</sup>	404.94
<b>less</b>	
Storage Losses <sup>(2)</sup>	48.88
Essential Supplies <sup>(3)</sup>	59.53
General Security Account Balance <sup>(4)</sup>	217.53
Upper Namoi/Manilla River accounts <sup>(4)</sup>	10.57
Peel Trade Account <sup>(5)</sup>	0.00
Delivery Loss Account	68.43

**\*\*See notes below.**

### Resource Distribution as at 31 August 2017 Namoi Valley



#### Notes:

- (1) Available Resource (405 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.
- (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, is estimated to be about 10 GL in the Lower Namoi and 0.11 GL in the Upper Namoi. These entitlements are held and/or managed either singly or jointly by various environmental water holder groups, including the NSW Office of Environment and Heritage (OEH) and the Commonwealth Environmental Water Holder (CEWH). 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 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 0 ML.

### **Further information**

The next allocation announcement for the Namoi regulated river water source will be on **Monday 9 October 2017**. Information on Available Water Determinations and water sharing plans is available on the DPI Water website - [www.water.nsw.gov.au](http://www.water.nsw.gov.au)

## Namoi resource assessment

- Previous Assessment date: 31 July 2017
- Current Assessment date: 31 August 2017

<b>Storage volume</b>	<b>Committed Volume (GL)</b>	<b>Remaining Storage Balance (GL)</b>
Total (Split Rock plus Keepit)		414.65
Dead storage	9.70	404.95
Storage Loss Committed - projected 2 years (brought forward)	48.64	356.31

<b>Essential Supplies</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	56.00	
Used and associated loss since last assessment	-0.69	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	55.31	301.00

<b>Upper Namoi/Manilla Rivers</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	10.90	
Ordered since last assessment	-0.33	
Allocation Assignments from Upper Namoi to Lower Namoi	0.00	
Current balance	10.57	290.43

<b>General Security (D/S Keepit)</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	217.32	
Orders since assessment period	0.00	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi & Peel Trade)	0.21	
Current balance	217.53	72.90

<b>Peel Trade Account</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	0.21	
Trade to general security since last assessment	0.21	
Current balance	0.00	72.90

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	68.52	
Apparent losses since last assessment	0.00	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	68.43	4.47

<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		0.00
Essential Supply Loss	68%	0.00
General Security Loss	32%	0.00

<b>Resources available for sharing</b>	<b>GL</b>
Total	<b>4.47</b>

<b>New balances</b>	<b>Limit</b>	<b>Commitments</b>		<b>Balance</b>
		Current	Additional	
		GL	GL	
Storage Loss	48.88	48.64	0.24	48.88
Essential Supplies	67.20	55.31	4.22	59.53
Upper Namoi / Manilla River	10.90	10.57	0.00	10.57
Delivery Loss	150.94	68.43	0.00	68.43
General Security Irrigation	493.40	217.53	0.00	217.53
Peel Trade Account	0.00	0.00	0.00	0.00
Uncommitted resources	-	4.47	-4.47	0.00
Total	-	404.95	-0.01	404.94

<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