



8 January 2016

## Namoi Valley

### Water availability and allocation update December 2015

#### Allocations

There is **no increase** in Namoi general security allocations available at this time. Generally dry conditions have continued across the Namoi valley for much of the past month. There was little change to storage inflows from the upper tributaries despite some rainfall.

#### Current allocations

	High Security	General Security
Upper Namoi valley	100%	60%
Lower Namoi valley	100%	0%

#### Key facts

- Normal water delivery for the Lower Namoi general security water users remains suspended and will not resume until conditions improve significantly. Periodic bulk releases will be scheduled in consultation with the stakeholders to ensure essential demand is met.
- The Lower Namoi has been operating under a drought management strategy since September 2013 and will continue until conditions improve significantly.

#### Dam levels (end December 2015)

- Split Rock Dam is 6 per cent full, holding 29 gigalitres.
- Keepit Dam is 17 per cent full, holding 79 gigalitres.
- The combined storage volume is very low at around 108 gigalitres, but can be expected to continue to fall over summer.

#### Seasonal rainfall outlook

- The latest Bureau of Meteorology's (BOM) seasonal outlook for January to March 2016 indicates equal chance of above or below average rainfall across most of the catchment. Temperatures are likely to be warmer than average.
- Current climate influences continue to show a combination of a strong El Niño in the Pacific and very warm Indian Ocean temperatures.
- El-Niño systems tend to coincide with dry conditions in northern NSW but have been observed to deteriorate in late summer.

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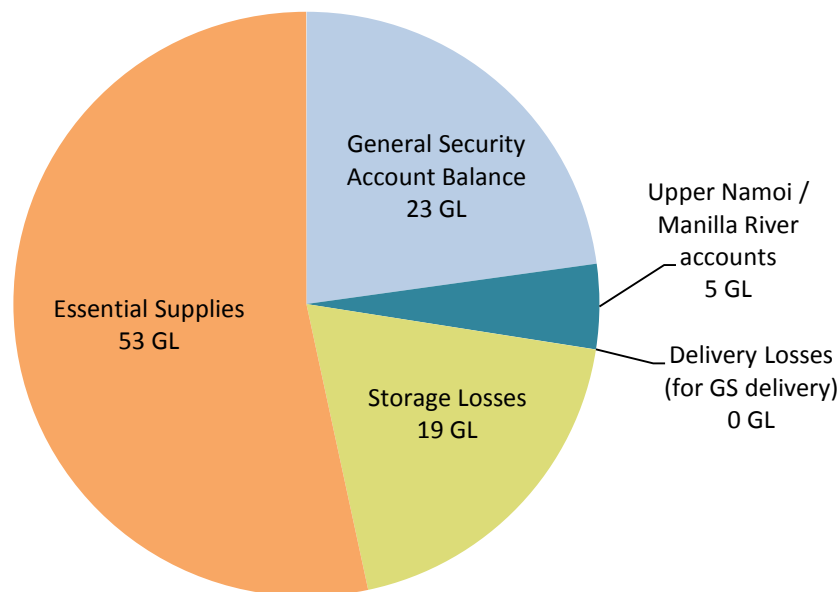
[www.water.nsw.gov.au](http://www.water.nsw.gov.au)

## Namoi Resource Assessment Data Sheet

Resource Distribution (as at 1 January 2016) for 2015/16 & 2016/17	
	Volume (GL)
Available Resource <sup>(1)</sup>	99.92
<b>Less</b>	
Storage Losses <sup>(2)</sup>	19.13
Essential Supplies <sup>(3)</sup>	53.33 (95% of budget)
General Security Account Balance	22.78
Upper Namoi/Manilla River accounts	4.69
Delivery Loss Account <sup>(4)</sup>	0.00
New Allocation from this Assessment	Nil

\*See notes below

## Allocation Distribution 2015/16 & 2016/17 Namoi Valley -1 January 2016



**Total = 100 GL**

Note: Data is for the 1<sup>st</sup> to the 31<sup>st</sup> of December 2015 period

### Notes:

- <sup>(1)</sup> Available Resource (100 GL) – is total active storage (Split Rock & Keepit) at time of assessment.
- <sup>(2)</sup> Storage Losses – evaporation loss based on forecast storage behaviour over 2 years.
- <sup>(3)</sup> 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.
- <sup>(4)</sup> Normally delivery loss is budgeted at 30 per cent of the volume of water allocated to general security licences. Actual losses have been much higher thereby prematurely depleting this account.

## Namoi Resource Assessment December 2015

- Previous Assessment date: 30 November 2015
- Current Assessment date: 31 December 2015

<b>Storage volume</b>	<b>Committed Volume (GL)</b>	<b>Remaining Storage Balance (GL)</b>
Total		109.62
Dead storage	9.70	99.92
Storage Loss Committed (projected 2 years)	19.54	80.38

<b>Essential Supplies</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	54.69	
Used and associated loss since last assessment	-0.45	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	54.24	26.14

<b>Upper Namoi/Manilla Rivers</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	5.98	
Ordered since last assessment	-0.34	
Allocation Assignments from Upper Namoi to Lower Namoi	-0.95	
Current balance	4.69	21.45

<b>General Security (D/S Keepit)</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	22.08	
Orders since assessment period	-0.25	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi)	0.95	
Current balance	22.78	-1.33

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	0.00	
Apparent losses since last assessment	-0.30	

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	0.00	-1.33

<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		0.53
Essential Supply Loss	43%	0.23
General Security Loss	57%	0.30

<b>Resources available for sharing</b>	<b>GL</b>
Total	-1.33

<b>New balances</b>	<b>Limit</b>	<b>Commitments</b>		<b>Balance</b>
		Current	Additional	
	GL	GL	GL	GL
Storage Loss	19.12	19.54	-0.41	19.13
Essential Supplies	56.00	54.24	-0.92	53.33
Upper Namoi / Manilla River	9.69	4.69	0.00	4.69
Delivery Loss	150.94	0.00	0.00	0.00
General Security Irrigation	493.40	22.78	0.00	22.78
Uncommitted resources	-	-1.33	1.33	0.00
Total	-	99.92	0.00	99.92

<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

<b>Recommended by</b>	<b>Date</b>	<b>Checked by</b>	<b>Date</b>	<b>Approved by</b>	<b>Date</b>
Ken Gee Water System Planner Water NSW	30 Dec 2015	Neeraj Maini Natural Resource Officer DPI Water	5 Jan 2016	Brian Graham Acting Director Surface Water Management DPI Water	7 Jan 2016