

Namoi Valley

Water allocation update

Allocations

Lower Namoi general security allocation **remains unchanged at 7.08 per cent of entitlement**. Inflows to the storages were insignificant during the month despite some patchy rainfall.

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 9 April)

- Keepit Dam is 13 per cent full – steady – holding 62,000 megalitres (ML).
- Split Rock Dam is 16 per cent full – steady – holding 65,000 ML.

Key facts

- Major deliveries have now ceased in the Lower Namoi. Stream connectivity to Narrabri will continue to be provided using up to 4GL of Commonwealth environmental water.
- If low inflows continue, a full block release strategy will be used to deliver remaining account volume in 2018/19, with deliveries to just below Gunidgera on the Namoi River and potentially only to the top section of Pian Creek.
- So far this water year flows from runoff have been the third lowest inflow in over 120 years.

Seasonal climate outlook

The Bureau of Meteorology is forecasting lower than normal March to May historical streamflow in the Namoi River at North Cuerindi, which flows into the Keepit Dam.

The Bureau's seasonal outlook for Narrabri, issued on 29 March 2018, is forecasting equal likelihood of achieving above or below median rainfall conditions during April to June for the catchment. Day-time and night-time temperatures are also forecast to be equally likely to be above or below median temperatures during this period.

Further information

The next allocation announcement for the Namoi regulated river water source will be issued on **Monday 7 May 2018**.

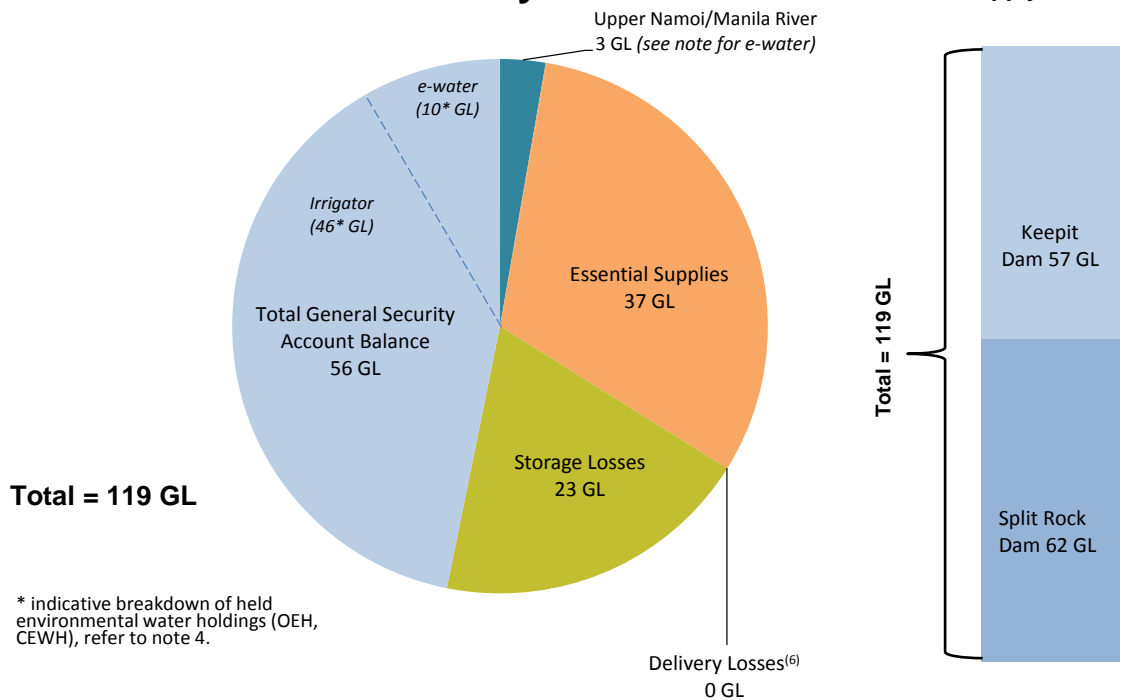
Information on Available Water Determinations and water sharing plans is available on the Department of Industry – Water website - www.water.nsw.gov.au

Namoi Resource Assessment Data Sheet

Resource Distribution (as at 31 March 2018)	
	Volume (GL)
Available Resource ⁽¹⁾	118.94
less	
Storage Losses ⁽²⁾	22.90
Essential Supplies ⁽³⁾	36.99
General Security Account Balance ⁽⁴⁾	55.70
Upper Namoi/Manilla River accounts ⁽⁴⁾	3.35
Peel Trade Account ⁽⁵⁾	0.00
Delivery Loss Account ⁽⁶⁾	0.00

See notes below.

**Resource Distribution as at 31 March 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): water administered by environmental water holders in the above pie chart. This volume is indicative only and, prior to reconciliation of usage and net trade, estimated to be about 10 GL of GS in the Lower Namoi and 0.11 GL of GS in the Upper Namoi. No water is held in HS account. These entitlements are held and/or managed either individually or jointly by various environmental holder groups. (NSW Office of Environment and Heritage (OEH), Commonwealth Environmental Water Holder (CEWH)). Refer respective websites for detailed information on held e- 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: 28 February 2018
- Current Assessment date: 31 March 2018

Storage volume	Committed Volume (GL)	Remaining Storage Balance (GL)
Total (Split Rock plus Keepit)		128.63
Dead storage	9.70	118.93
Storage Loss Committed - projected 2 years (brought forward)	23.46	95.47

Essential Supplies	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	38.88	
Used and associated loss since last assessment	-0.29	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	38.59	56.88

Upper Namoi/Manilla Rivers	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	3.58	
Ordered since last assessment	-0.18	
Allocation Assignments from Upper Namoi to Lower Namoi	-0.05	
Current balance	3.35	53.52

General Security (D/S Keepit)	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	57.61	
Orders since assessment period	-1.97	
Allocation Assignments into Lower Namoi (from HS & Upper Namoi & Peel Trade)	0.05	
Current balance	55.70	-2.18

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	-2.17

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	0.00	
Apparent losses since last assessment	-0.48	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	0.00	-2.17

Apparent Losses since last assessment	% of loss	GL
Total		0.53
Essential Supply Loss	10%	0.05
General Security Loss	90%	0.48

Resources available for sharing	GL
Total	-2.17

New balances	Limit	Commitments		Balance
		Current	Additional	
	GL	GL	GL	GL
Storage Loss	22.90	23.46	-0.56	22.90
Essential Supplies	67.20	38.59	-1.60	36.99
Upper Namoi / Manilla River	10.90	3.35	0.00	3.35
Delivery Loss	150.94	0.00	0.00	0.00
General Security Irrigation	493.40	55.70	0.00	55.70
Peel Trade Account	0.00	0.00	0.00	0.00
Uncommitted resources	-	-2.17	2.17	0.00
Total	-	118.93	0.01	118.94

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