



7 February 2018

## Gwydir Valley

### Water allocation update

#### Allocations

Gwydir regulated river general security allocation has **increased by 0.19 per cent, bringing the total this water year to 17.59 per cent of entitlement.**

Very little rainfall was recorded in the catchment during January. The increase is due to small, but better than expected inflows, together with lower evaporative losses.

All other categories of licence in the regulated river valley have already received their maximum allocation for the 2017/18 water year.

	High Security	General Security
Gwydir valley	100%	17.59%

#### Dam levels (as at 5 February)

Copeton Dam is approximately 31 per cent full – falling – and holding approximately 438,000 megalitres (ML). This time last year the storage was about 49 per cent full.

#### Key facts

- The volume in Copeton Dam has substantially decreased since the last assessment, mostly due to releases to meet downstream demand and a lack of inflows.
- Usage and storage drawdown rates will reduce as the close of this irrigation season nears.

#### Seasonal rainfall outlook

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

Weak LA NIÑA conditions in the tropical Pacific are continuing. However, the Bureau's models suggest that the LA NIÑA will cease by mid-autumn as LA NIÑA events tend to break down around this time of the year, which reduces its influence on rainfall.

#### Further information

The next allocation announcement for the Gwydir regulated river water source will be issued on **Wednesday 7 March 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)

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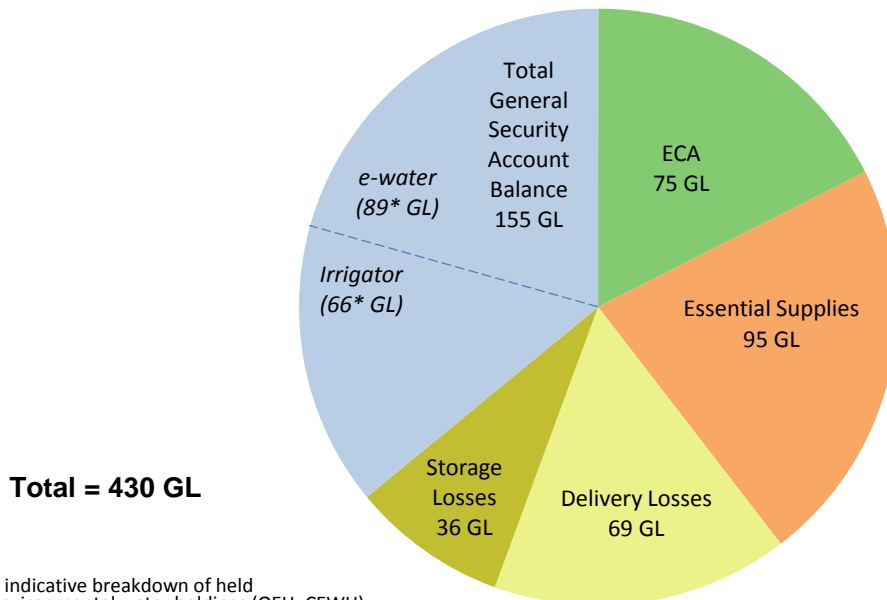
[www.water.nsw.gov.au](http://www.water.nsw.gov.au)

**Resource Assessment Data Sheet**

<b>Resource Distribution (as at 31 January 2018)</b>	
	Volume (GL)
Available Resource <sup>(1)</sup>	429.84
<b>less</b>	
Storage Losses <sup>(2)</sup>	36.19
Essential Supplies <sup>(3)</sup>	94.72 (100% full)
ECA	75.33
Delivery Losses	68.98
General Security Account Balance <sup>(4)</sup>	154.62

See notes below.

**Resource Distribution as at 31 January 2018  
Gwydir Valley**



\* indicative breakdown of held environmental water holdings (OEH, CEWH), refer to note 4.

**Notes:**

- (1) Available Resource – is the total active storage at Copeton Dam at the time of assessment.
- (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 the water sharing plan to provide for Towns, Stock, Domestic, High Security and riverine environments. Includes stock and domestic replenishments, delivery loss allowance and end-of-system flow requirements. This commitment is offset by minimum forecast inflows to storage.
- (4) Held environmental water (HEW) – as a trial, reporting of held environmental water administered by environmental water holders is being reported here, with the associated portions of general security allocation also identified in the above pie chart. This reporting of held environmental water is the total credited to accounts (not usage) and is estimated to be 89GL of GS and 1GL of HS. These entitlements are held and/or managed either individually or jointly by various environmental 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 water holdings.

## Gwydir resource assessment

- Previous Assessment date: 31 December 2017
- Current Assessment date: 31 January 2018

<b>Storage volume</b>	<b>Committed Volume (GL)</b>	<b>Remaining Storage Balance (GL)</b>
Total		448.84
Dead storage	19.00	429.84
Storage Loss Committed - projected 2 years (brought forward)	42.36	387.48

<b>Essential Supplies</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	94.72	
Used and associated loss since last assessment	-5.76	
Allocation Assignments from High Security to General Security	-0.17	
Transfer to General Security delivery loss account	-0.05	
Current balance	88.74	298.74

<b>Environmental Contingency Allowance (ECA)</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	75.24	
Orders from assessment period	0.00	
Current balance	75.24	223.50

<b>General Security Irrigation</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	253.85	
Orders from assessment period	-100.36	
Allocation Assignments from High Security to Low Security	0.17	
Reconciliation of accounts	0.00	
Current balance	153.65	69.84

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	98.73	
Losses since last assessment	-36.17	

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Credit from Essential Supplies (for Allocation Assignments to GS)	0.05	
Current balance	62.61	7.24

<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		37.70
Essential Supply Loss	4%	1.53
General Security + ECA Loss	96%	36.17

<b>Resources available for sharing</b>	<b>GL</b>
Total	<b>7.24</b>

<b>New balances</b>	<b>Limit</b>	<b>Commitments</b>		<b>Balance</b>
		<b>Current</b>	<b>Additional</b>	
	GL	GL	GL	GL
Storage Loss	36.19	42.36	-6.17	36.19
Essential Supplies	94.72	88.74	5.98	94.72
Delivery Loss	256.35	62.61	6.38	68.98
ECA	90.00	75.24	0.09	75.33
General Security Irrigation	764.50	153.65	0.97	154.62
Uncommitted resources	-	7.24	-7.24	0.00
Total	-	429.84	0.00	429.84

<b>Recommendations (General Security)</b>	<b>Value</b>	<b>Unit</b>
Incremental Increase CREDITED	0.97	GL
Available Water Determination	0.0019	ML per unit share