

5 August 2016

## Gwydir Valley

### Water allocation update – to end July 2016

#### Allocations

Due to good inflows in July, there has been an **increase in general security allocations from zero to 2.19 per cent** of entitlement for the 2016/17 water year. Copeton Dam volume has risen by about 37 GL in the past month, bringing its total volume to about 273 GL.

	High Security	General Security
Gwydir valley	100%	2.19%

#### Key facts

- Critical needs are secure for the 2016/17 water year.
- General security allocation in 2016/17 is increased from zero per cent to 2.19 per cent of entitlement.
- Despite some promising inflows in the past month, water availability remains limited.
- Until there are further improvements, a block release strategy will continue to be used to maximise the efficiency of water delivery.
- Water user groups will continue to be consulted about their water requirements to ensure that targeted deliveries can meet priority needs.

#### Dam levels (end of July)

Copeton Dam was 20 per cent full – rising - holding 272,711 megalitres (ML), at the end of July.

#### Seasonal rainfall outlook

- The Bureau of Meteorology (BoM) August to October 2016 seasonal outlook indicates a high likelihood of at least average conditions across most of the region. Day time temperatures are likely to be cooler than average, while night time temperatures are more likely to be cooler than average in small parts of the east.
- The climatic outlook suggests tropical Pacific Ocean waters continuing to cool with very warm sea surface temperatures around northern and eastern Australia and a strong negative Indian Ocean Dipole.

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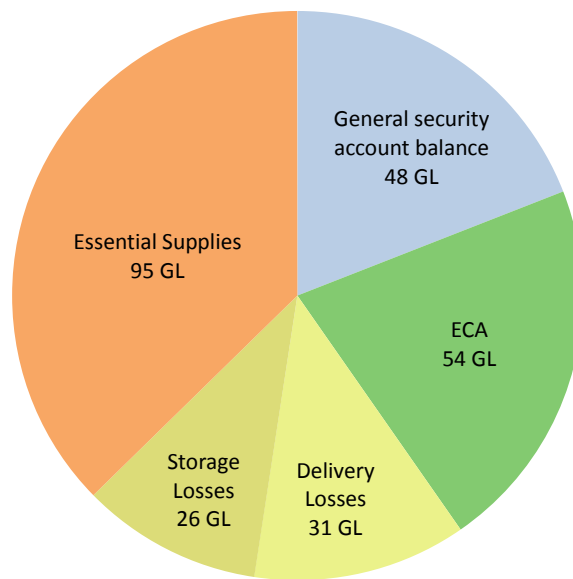
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**Gwydir Resource Assessment Data Sheet**

<b>Resource Distribution (as at 1 Aug 2016) for 2016-17</b>	
	Volume (GL)
Available Resource <sup>(1)</sup>	253.71
<b>less</b>	
Storage Losses <sup>(2)</sup>	25.98
Essential Supplies <sup>(3)</sup>	94.72 (100% full)
ECA	54.01 (60% full)
Delivery Losses	30.69 (100% of budget)
General Security Account Balance	48.30

*\*See notes below.*

**Resource Distribution Aug 2016 to Jun 2017  
Gwydir Valley**



**Notes:**

- (1) Available Resource (254 GL) – is total active storage at Copeton Dam at the time of assessment.
- (2) Storage Losses – evaporation loss based on forecast storage behaviour 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 stock and domestic replenishments, delivery loss allowance and end-of-system flow requirements. This commitment is offset by minimum forecast inflows into the storages.

## Gwydir resource assessment

- Previous Assessment date: 30 June 2016
- Current Assessment date: 31 July 2016

<b>Storage volume</b>	<b>Committed Volume (GL)</b>	<b>Remaining Storage Balance (GL)</b>
Total		272.71
Dead storage	19.00	253.71
Storage Loss Committed (projected 2 years)	23.31	230.40

<b>Essential Supplies</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	90.25	
Used and associated loss since last assessment	-0.52	
Allocation Assignments from High Security to General Security	-0.11	
Transfer to General Security delivery loss account	-0.03	
Current balance	89.59	140.81

<b>Environmental Contingency Allowance (ECA)</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	56.02	
Orders from assessment period	-3.00	
Current balance	53.02	87.79

<b>General Security Irrigation</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	37.03	
Orders from assessment period	0.00	
Allocation Assignments from High Security to Low Security	0.11	
Reconciliation of accounts	0.00	
Current balance	37.14	50.65

<b>Delivery Loss</b>		<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward		9.37	
Losses since last assessment		0.00	
Credit from Essential Supplies (for Allocation Assignments to GS)		0.03	
Current balance		9.41	41.24

<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		0.00
Essential Supply Loss	15%	0.00
General Security + ECA Loss	85%	0.00

<b>Resources available for sharing</b>	<b>GL</b>
Total	<b>41.24</b>

<b>New balances</b>	<b>Limit</b>	<b>Commitments</b>		<b>Balance</b>
		Current	Additional	
		GL	GL	
Storage Loss	25.98	23.31	2.67	25.98
Essential Supplies	94.72	89.59	5.13	94.72
Delivery Loss	256.35	9.41	21.28	30.69
ECA	90.00	53.02	0.99	54.01
General Security Irrigation	764.50	37.14	11.17	48.30
Uncommitted resources	-	41.24	-41.24	0.01
Total	-	253.71	0.00	253.71

<b>Recommendations (General Security)</b>	<b>Value</b>	<b>Unit</b>
Incremental Increase CREDITED	11.17	GL
Available Water Determination	0.0219	ML per unit share