

19 September 2016

## Gwydir Valley Water allocation update – to 14 September 2016

### Allocations

Gwydir Valley regulated river general security allocation has **increased by 11.81 per cent**, bringing the total allocation this year to **32.51 per cent of entitlement**.

Significant inflows from heavy rainfall continue to boost Copeton Dam storage levels.

	High Security	General Security
Gwydir Valley	100%	32.51%

### Key facts

- Significant rainfall across the upper catchments in early September has caused Copeton Dam to increase to 37 per cent capacity, a 7 per cent rise since 1 September 2016.
- Water user groups will continue to be consulted about their water requirements to ensure that targeted deliveries can meet priority needs efficiently.
- Supplementary access continues to assist meeting downstream demand, thus allowing water to be conserved in storage.

### Dam levels (as at 16 September)

Copeton Dam is 41 per cent full – rising - holding 551,337 megalitres (ML).

### Seasonal rainfall outlook

The Bureau of Meteorology (BoM) climate outlook for Spring indicates the chances of a wetter or drier spring are about equal. Warmer spring days and nights are likely across western fringes and the eastern catchments have roughly equal chances of warmer or cooler spring days.

The current outlook reflects a weakening negative Indian Ocean Dipole and tropical Pacific Ocean temperatures potentially approaching La Niña thresholds.

### Further information

The next monthly Water Allocation Statement for the Gwydir regulated river water source will be issued on **Friday 7 October 2016**.

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)

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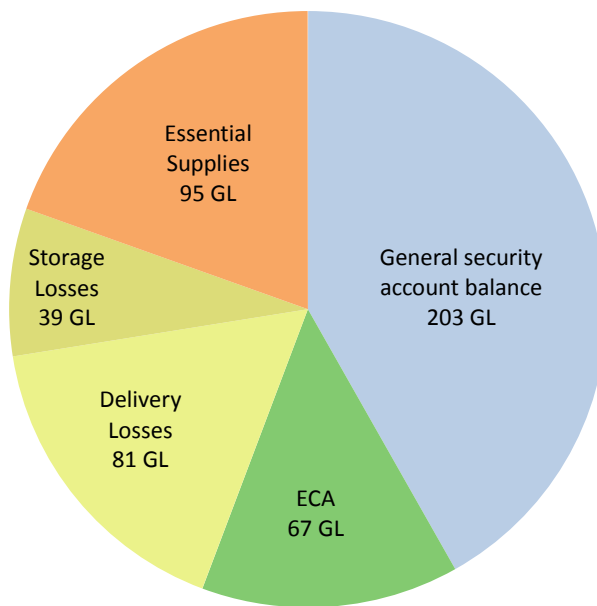
[www.water.nsw.gov.au](http://www.water.nsw.gov.au)

**Gwydir Resource Assessment Data Sheet**

<b>Resource Distribution (as at 14 September) for 2016-17</b>	
	Volume (GL)
Available Resource <sup>(1)</sup>	485.02
<b>less</b>	
Storage Losses <sup>(2)</sup>	38.83
Essential Supplies <sup>(3)</sup>	94.72 (100% full)
ECA	67.64
Delivery Losses	81.11 (30% of demand)
General Security Account Balance	202.72

\*See notes below.

**Resource Distribution 15 Sep 2016 to 30 Jun 2017  
Gwydir Valley**



**Total = 485 GL**

**Notes:**

- (1) Available Resource (485 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: 31 August 2016
- Current Assessment date: 14 September 2016

<b>Storage volume</b>	<b>Committed Volume (GL)</b>	<b>Remaining Storage Balance (GL)</b>
Total		504.02
Dead storage	19.00	485.02
Storage Loss Committed (projected 2 years)	34.44	450.59

<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	-0.20	
Allocation Assignments from High Security to General Security	0.00	
Transfer to General Security delivery loss account	0.00	
Current balance	94.52	356.06

<b>Environmental Contingency Allowance (ECA)</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	62.34	
Orders from assessment period	0.00	
Current balance	62.34	293.72

<b>General Security Irrigation</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	142.64	
Orders from assessment period	0.00	
Allocation Assignments from High Security to Low Security	0.00	
Reconciliation of accounts	0.00	
Current balance	142.64	151.09

<b>Delivery Loss</b>	<b>Committed Volume (GL)</b>	<b>Remaining Balance (GL)</b>
Brought forward	61.50	
Losses since last assessment	0.00	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.00	
Current balance	61.50	89.59

<b>Apparent Losses since last assessment</b>	<b>% of loss</b>	<b>GL</b>
Total		0.10
Essential Supply Loss	100%	0.10
General Security + ECA Loss	0%	0.00

<b>Resources available for sharing</b>	<b>GL</b>
Total	<b>89.59</b>

<b>New balances</b>	<b>Limit</b>	<b>Commitments</b>		<b>Balance</b>
		Current	Additional	
		GL	GL	
Storage Loss	38.83	34.44	4.40	38.83
Essential Supplies	94.72	94.52	0.20	94.72
Delivery Loss	256.35	61.50	19.61	81.11
ECA	90.00	62.34	5.30	67.64
General Security Irrigation	764.50	142.64	60.08	202.72
Uncommitted resources	-	89.59	-89.59	0.00
Total	-	485.02	0.00	485.02

<b>Recommendations (General Security)</b>	<b>Value</b>	<b>Unit</b>
Incremental Increase CREDITED	60.08	GL
Available Water Determination	0.1181	ML per unit share