



6 October 2016

Gwydir Valley

Water allocation update – to end September 2016

Allocations

Gwydir Valley regulated river water source general security access licences have received an **increased allocation of 28.93 per cent**.

This brings the current total allocation this water year to **61.44 per cent of entitlement**.

Recent ongoing rainfall in the Copeton catchment has increased storage levels in Copeton Dam, resulting in additional water available for distribution to licence holders.

All other categories of licence in the valley have already received their maximum allocation for the 2016-17 water-year

	High Security	General Security
Gwydir valley	100%	61.44%

Dam levels (as at 06 October)

Copeton Dam is 53 per cent full – rising - holding about 739,000 megalitres (ML).

Key facts

- Continued rainfall across the upper catchments in the second half of September resulted in Copeton Dam volumes increasing to 53 per cent capacity, which is a 12 per cent rise since the last resource assessment in mid-September.
- Storage recovery has improved confidence in resource deliverability, meaning that there should be no need to undertake block releases in the foreseeable future.
- Downstream tributary inflows have also allowed continuous supplementary access for licence holders since early this water-year.
- While there is no annual allocation limit for general security licences in the Gwydir valley, the annual use limit is 3ML/share (or 300 per cent of entitlement) and the three-year use limit is the same, 3ML/share (or 300 per cent of entitlement).

Seasonal rainfall outlook

The Bureau of Meteorology (BoM) climate outlook for October to December indicates above average rainfall, with cooler days and nights likely.

The current outlook reflects a negative Indian Ocean Dipole, warmer than average ocean temperatures surrounding northern Australia, and an ENSO-neutral tropical Pacific, though showing some La Niña-like characteristics.

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www.water.nsw.gov.au

The next water allocation statement for the Gwydir regulated river water source is scheduled for **Monday 7 November 2016**. However, DPI Water will closely monitor conditions and any significant resource improvements in the next fortnight will be notified around Friday 21 October in an interim announcement.

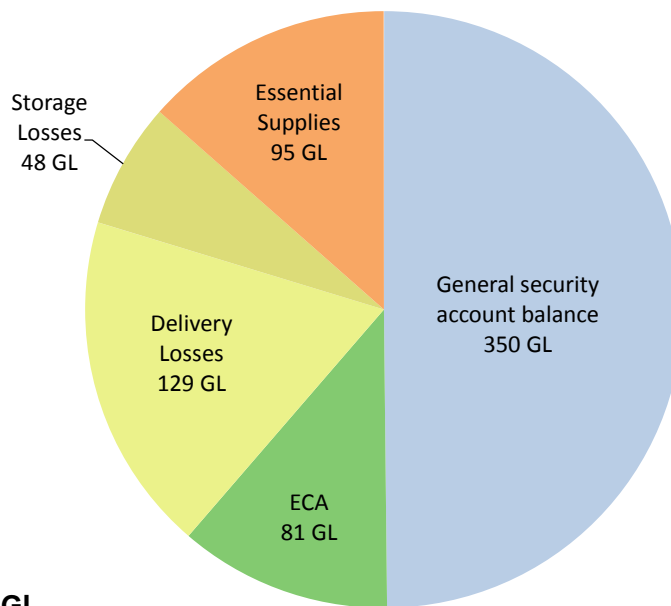
Information on Available Water Determinations and water sharing plans is available on the DPI Water website - www.water.nsw.gov.au

Gwydir Resource Assessment Data Sheet

Resource Distribution (as at 01 October) for 2016-17	
	Volume (GL)
Available Resource ⁽¹⁾	702.58
less	
Storage Losses ⁽²⁾	47.83
Essential Supplies ⁽³⁾	94.72 (100% full)
ECA	80.66
Delivery Losses	129.24 (30% of demand)
General Security Account Balance	350.14

*See notes below.

Resource Distribution Oct 2016 to Jun 2017 Gwydir Valley



Total = 703 GL

Notes:

- (1) Available Resource (703 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: 14 September 2016
- Current Assessment date: 01 October 2016

Storage volume	Committed Volume (GL)	Remaining Storage Balance (GL)
Total		721.58
Dead storage	19.00	702.58
Storage Loss Committed (projected 2 years)	38.83	663.75

Essential Supplies	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	94.72	
Used and associated loss since last assessment	-0.31	
Allocation Assignments from High Security to General Security	-0.03	
Transfer to General Security delivery loss account	-0.01	
Current balance	94.37	569.38

Environmental Contingency Allowance (ECA)	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	67.64	
Orders from assessment period	0.00	
Current balance	67.64	501.73

General Security Irrigation	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	202.72	
Orders from assessment period	0.00	
Allocation Assignments from High Security to Low Security	0.03	
Reconciliation of accounts	0.00	
Current balance	202.75	298.99

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	81.11	
Losses since last assessment	0.00	
Credit from Essential Supplies (for Allocation Assignments to GS)	0.01	
Current balance	81.11	217.87

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

Resources available for sharing	GL
Total	217.87

New balances	Limit	Commitments		Balance
		Current	Additional	
		GL	GL	
Storage Loss	47.83	38.83	9.00	47.83
Essential Supplies	94.72	94.37	0.35	94.72
Delivery Loss	256.35	81.11	48.13	129.24
ECA	90.00	67.64	13.01	80.66
General Security Irrigation	764.50	202.75	147.39	350.14
Uncommitted resources	-	217.87	-217.87	0.00
Total	-	702.58	0.00	702.58

Recommendations (General Security)	Value	Unit
Incremental Increase CREDITED	147.39	GL
Available Water Determination	0.2893	ML per unit share