

9 October 2017

Gwydir Valley

Water allocation update

Allocations

There is **no increase in Gwydir general security allocations at this time and therefore remains unchanged at 11.59 per cent of entitlement**. Hot and dry conditions have prevailed across the valley in September with little or no inflows entering Copeton storage.

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%	11.59%

Dam levels (as at 9 October)

Copeton Dam is 50 per cent full – falling – and holding approximately 693,700 megalitres (ML). This time last year the storage was 53 per cent full.

Key facts

- Hot and dry weather over the past month has led to continued high demand for water and relatively high system losses across the valley. High transmission losses are likely.
- Conditions and water availability will continue to be monitored closely and consultations with water users will continue to look for ways to efficiently deliver water, particularly if the dry conditions persist.

Seasonal rainfall outlook

The Bureau of Meteorology's three month seasonal outlook for October to December indicates generally average rainfall conditions are likely in the valley, with October likely to be wetter than average. Average temperatures are likely overall throughout the three months, with below average temperatures likely in October, particularly in the western part of the valley.

Climate influences include a drier signal from the Indian Ocean counteracted by a wetter influence from the Pacific. This means equal chances of wetter or drier than average conditions across Australia for the three months.

Media contact: James Muddle M 0407 103 507

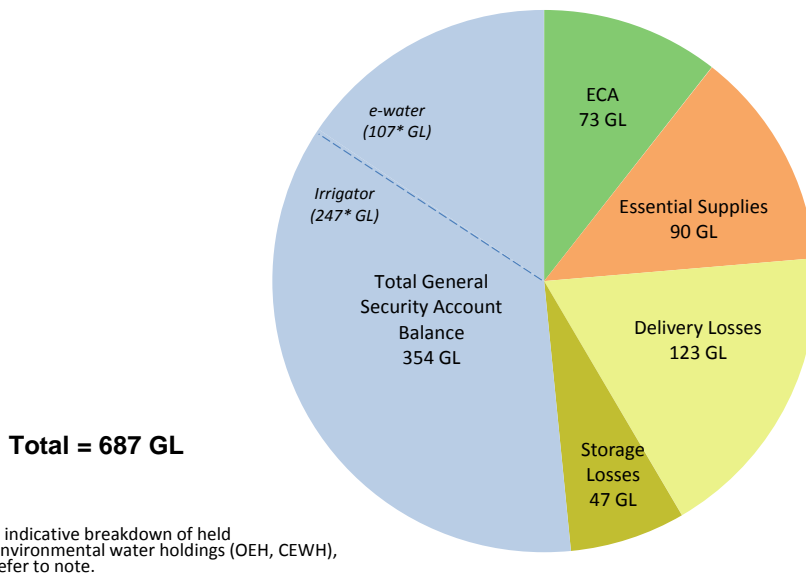
www.water.nsw.gov.au

Resource Assessment Data Sheet

Resource Distribution (as at 30 September 2017)	
	Volume (GL)
Available Resource ⁽¹⁾	687.18
less	
Storage Losses ⁽²⁾	47.25
Essential Supplies ⁽³⁾	89.97 (95% full)
ECA	72.62
Delivery Losses	122.91
General Security Account Balance ^{(4),(5)}	354.42

See notes below.

**Resource Distribution as at 30 September 2017
Gwydir Valley**



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 into the storage.
- (4) Held environmental water (HEW) – as a trial, general security account water administered by environmental water holders has been identified in the above pie chart. This reporting of held environmental water is indicative only and, prior to reconciliation of usage and net trade, is estimated to be about 107 GL GS and 1 GL HS. These entitlements are held and/or managed either singly 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 holdings.

Further information

The next allocation announcement for the Gwydir regulated river water source will be issued on **Tuesday 7 November 2017**.

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

Gwydir resource assessment

- Previous Assessment date: 31 August 2017
- Current Assessment date: 30 September 2017

Storage volume	Committed Volume (GL)	Remaining Storage Balance (GL)
Total		706.18
Dead storage	19.00	687.18
Storage Loss Committed - projected 2 years (brought forward)	47.96	639.22

Essential Supplies	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	94.72	
Used and associated loss since last assessment	-1.63	
Allocation Assignments from High Security to General Security	-2.80	
Transfer to General Security delivery loss account	-0.84	
Current balance	89.44	549.78

Environmental Contingency Allowance (ECA)	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	72.62	
Orders from assessment period	0.00	
Current balance	72.62	477.15

General Security Irrigation	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	360.64	
Orders from assessment period	-9.02	
Allocation Assignments from High Security to Low Security	2.80	
Reconciliation of accounts	0.00	
Current balance	354.42	122.73

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Brought forward	129.98	
Losses since last assessment	-7.91	

Delivery Loss	Committed Volume (GL)	Remaining Balance (GL)
Credit from Essential Supplies (for Allocation Assignments to GS)	0.84	
Current balance	122.91	-0.18

Apparent Losses since last assessment	% of loss	GL
Total		8.67
Essential Supply Loss	9%	0.76
General Security + ECA Loss	91%	7.91

Resources available for sharing	GL
Total	-0.18

New balances	Limit	Commitments		Balance
		Current	Additional	
	GL	GL	GL	GL
Storage Loss	47.25	47.96	-0.71	47.25
Essential Supplies	94.72	89.44	0.53	89.97
Delivery Loss	256.35	122.91	0.00	122.91
ECA	90.00	72.62	0.00	72.62
General Security Irrigation	764.50	354.42	0.00	354.42
Uncommitted resources	-	-0.18	0.18	0.00
Total	-	687.18	0.00	687.18

Recommendations (General Security)	Value	Unit
Incremental Increase CREDITED	0.00	GL
Available Water Determination	0.0000	ML per unit share