

GWYDIR VALLEY CHANNEL CAPACITY CONSTRAINTS

06 September 2011

Since the implementation of the Gwydir Water Sharing Plan (WSP) in July 2004, general security Available Water Determinations (AWD) have averaged 8.4% up to the 2010/11 water year. As a consequence channel capacity constraints have not affected deliveries and rostering has not been required.

With the level of general security allocation available in 2011/12 (the average volume of water available in general security accounts within the Gwydir Valley is currently 68%), it is anticipated that peak demand may exceed delivery capacity in some river sections this season.

In order to equitably share available channel capacity State Water in consultation with the Gwydir Valley CSC and in line with requirements of the WSP have determined that;

Should demand exceed channel capacity customers will receive a percentage of the available water based on individual unit shares divided by the total participating unit shares of the river section or reach calculated on a daily basis.

River sections that may be affected are

- Gwydir River below Tyreel regulator
- Carole/Gil Gil Creek
- Moomin Creek

Individual access licences affected and anticipated channel constraints are listed in the following tables.

Customers are advised to take the attached daily extraction limits into account when planning irrigation cycles this summer.

Authorised by:

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Water Delivery Manager Northern

Moomin Creek

Total shares 113,114

**Maximum channel capacity 2,200 ML/day at Combadello Offtake - minus
daily loss for delivery to furthest extraction location**

Peak demand in past has been 1,600ML/day (Jan/Feb 2002, Jan 2006)

WAL Number	Access Licence	Access Licence Share Component	Percentage of channel capacity to be allocated if ALL unit shares are participating	Daily volume able to be extracted based on 1,760 ML available channel capacity and all shares participating (worst case scenario)
400	90AL800401	6804	6.0%	106
462	90AL800765	3888	3.4%	60
7799	90AL800405	3402	3.0%	53
13048	90AL800680	972	0.9%	15
7315	90AL800480	4950	4.4%	77
10205	90AL800123	2310	2.0%	36
11322	90AL804892	5252	4.6%	82
7321	90AL800669	972	0.9%	15
9786	90AL800285	972	0.9%	15
462	90AL800765	3888	3.4%	60
456	90AL800728	7776	6.9%	121
7313	90AL800465	51	0.0%	1
13288	90AL800691	3888	3.4%	60
14865	90AL804779	6753	6.0%	105
397	90AL800395	972	0.9%	15
7305	90AL800070	2916	2.6%	45
10956	90AL800344	972	0.9%	15
421	90AL800444	1944	1.7%	30
9039	90AL804595	1944	1.7%	30
13268	90AL800146	3888	3.4%	60
6495	90AL800090	1944	1.7%	30
397	90AL800395	972	0.9%	15
10207	90AL800154	2916	2.6%	45
384	90AL800340	972	0.9%	15
6542	90AL800736	11664	10.3%	181
14964	90AL809868	972	0.9%	15
13285	90AL800595	27216	24.1%	423
6532	90AL800200	972	0.9%	15
345	90AL800231	972	0.9%	15

Gwydir River downstream of Tyreel regulator

Total shares 48,981

**Maximum channel capacity 1,100 ML/day at Tyreel regulator - minus
daily loss for delivery to furthest extraction location**

WAL Number	Access Licence	Access Licence Share Component	Percentage of channel capacity to be allocated if ALL unit shares are participating	Daily volume able to be extracted based on 750 ML available channel capacity and all shares participating (worst case scenario)
13278	90AL800462	4860	9.9%	74
13263	90AL800096	1944	4.0%	30
16267	90AL811485	1068	2.2%	16
14942	90AL809872	10692	21.8%	164
14943	90AL809873	3888	7.9%	60
440	90AL800520	20	0.0%	0
447	90AL800660	972	2.0%	15
7331	90AL800787	13393	27.3%	205
465	90AL800780	1944	4.0%	30
7310	90AL800453	4368	8.9%	67
10210	90AL800532	1944	4.0%	30
8640	90AL800542	3888	7.9%	60

Carole/Gil Gil Creek

Total shares 115,591

Maximum channel capacity 2,200 ML/day at Boolooroo offtake - minus

daily loss for delivery to furthest extraction location

Peak demand in past has been 2,200ML/day (Jan 2002)

WAL Number	Access Licence	Access Licence Share Component	Percentage of channel capacity to be allocated if ALL unit shares are participating	Daily volume able to be extracted based on 1,760 ML available channel capacity and all shares participating (worst case scenario)
373	90AL800298	7095	6.1%	108
9033	90AL800320	40	0.0%	1
413	90AL800429	222	0.2%	3
451	90AL800676	3090	2.7%	47
8593	90AL800308	258	0.2%	4
13261	90AL800079	3888	3.4%	59
14921	90AL809857	38880	33.6%	592
9652	90AL800634	2959	2.6%	45
7322	90AL800698	819	0.7%	12
7326	90AL800750	1869	1.6%	28
13297	90AL800809	2888	2.5%	44
8238	90AL800783	3402	2.9%	52
10427	90AL800796	3780	3.3%	58
347	90AL800237	672	0.6%	10
407	90AL800420	972	0.8%	15
429	90AL800477	1971	1.7%	30
14971	90AL809894	972	0.8%	15
9036	90AL800514	51	0.0%	1
429	90AL800477	1971	1.7%	30
9041	90AL804610	3888	3.4%	59
13280	90AL800578	972	0.8%	15
9905	90AL800654	2916	2.5%	44
11428	90AL804898	972	0.8%	15
9789	90AL800831	972	0.8%	15
13350	90AL804605	4860	4.2%	74
13275	90AL800305	900	0.8%	14
434	90AL800490	972	0.8%	15
15011	90AL809901	2916	2.5%	44
13291	90AL800704	3888	3.4%	59
378	90AL800317	972	0.8%	15
469	90AL800848	3888	3.4%	59
11118	90AL804633	4872	4.2%	74
11097	90AL800523	6804	5.9%	104