

Basin Water Storages less commitments and not factoring in future inflows- 28 February 2009

Valley and Storage	Storage figures				Commitments to end June 2009						Comments
	Capacity (GL)	Current Volume (GL)	Dead Storage (GL)	Active Storage (GL)	Critical Water Requirements (GL)	Total allocated water remaining including individual carryover from 2007-08 (GL)	Losses (GL) ##	End of System Flows and remaining IVT account (GL) - included in Murray minimum planning inflow	Private Storages (GL)*	Current Balance in Public Storage (GL)**	
<b>NSW</b>											
<b>Border Rivers</b>				<b>158.76</b>	56	57	19	N/A	25	27	NSW share of Glenlyon Dam and Pindari (NSW only) is 138 GL in total. NSW controls all the Pindari Dam resources and shares the Glenlyon Dam resources
Glenlyon Dam (Old)	254	63	0.2	<b>62.84</b>							
Pindari Dam	312	96	0.1	<b>95.92</b>							
<b>Lower Darling</b>				<b>143.1</b>	4	56	19	N/A		64	General Security allocation to Lower Darling Users is 50% (15 GL) and total contribution from Menindee waters to NSW Murray is about 240GL. NSW 100% Lower Darling High Security Allocation equates to a total of 8GL. Forecast inflows into Menindee is expected to be about 200 GL from recent rainfalls on the north west plains. This water will be used to secure town water supply for Broken Hill for at least 21 months, secure water for Lower Darling permanent plantings for 2009/10 and underwrite water for critical human needs in the Murray Valley. 10 GL of dead storage includes 3 GL in Wethered and 7 GL in Lake Pamamaroc
Menindee Lakes	1731	155	11.9	<b>143.1</b>							
<b>Barwon-Darling</b>								N/A	* See Comments	N/A	* Data not available
<b>Gwydir Valley</b>				<b>162.51</b>	15	45	15	N/A	70	87.5	The Gwydir Valley uses a system of continuous accounting. The "unallocated" water is required to meet critical human needs in 2009/10 under severe drought conditions. Current Flows are draining from the Lower floodplain to the Barwon River.
Copeton Dam	1362	181	18.5	<b>162.51</b>							
<b>Namoi Valley</b>				<b>226.93</b>	18	91	38	N/A	25	75	The Namoi Valley uses a system of continuous accounting. The "unallocated" water is required to meet critical human needs in 2009/10 under severe drought conditions, including supply to the city of Tamworth. Split Rock Dam has received very little inflow. Chaffey Dam is the primary source of supply for the city of Tamworth and some water is reserved for 2009/10. Chaffey Dam is near full.
Keepit Dam	425	155	6.6	<b>148.45</b>	5	66	23				
Split Rock Dam	397	24	3.2	<b>20.84</b>							
Chaffey Dam	62	60	2.4	<b>57.64</b>	13	25	15				
<b>Macquarie Valley</b>				<b>352.14</b>	18	74	59	N/A	N/A	187	End of year storage reserve is adequate to meet full supplies to critical water need and other essential requirements in 2009/10
Burrendong Dam	1190	298	33.7	<b>264.27</b>	15	62	55	16		117	
Windamere Dam	368	89	1.1	<b>87.87</b>	3	12	4			70	
<b>Lachlan Valley</b>				<b>104.06</b>	9	3	29	N/A	N/A	62	The Lachlan Valley remains in the worst drought on record. Towns have 70% allocation, Domestic & Stock have 50% and High Security has 30%. Severe Drought contingency measures are required at the end coming winter to deliver critical water needs in 2009/10. High security allocations for Belubula valley has been increased to 100%
Wyangala Dam	1218	101	0.7	<b>100.27</b>	8	3	27			62	
Carcoar Dam	36	4	0.2	<b>3.786</b>	1	0	2			0	
<b>Murrumbidgee Valley</b>				<b>1015.8</b>		485	70	235	N/A	226	End of system commitment to Murray includes remaining balance of IVT account of approx 211 GL (at end February). 140 GL reserved for critical human water needs in 2009-10 and estimated private carryover into 2009-10 of 255 GL. Murrumbidgee General Security Allocation are 21% , High Security Allocations are at 95%a and 25 GL allocated as Environmental Allowance
Burrinjuck Dam, Yass	1026	514	3.3	<b>510.75</b>							
Blowering Dam, Tumut	1631	529	24.0	<b>505.01</b>							
<b>Victoria</b>											
<b>Goulburn</b>				<b>553.4</b>	0	276	138	135	N/A	4	End of system flow is based on Goulburn bulk entitlement commitment and remaining commitment of Goulburn Valley Account. Approval received to pump 86 GL from dead storage at Waranga Basin; "new" dead storage is 38 GL.
Eildon	3334	542	84	<b>458</b>							
Waranga Basin	432	133.4	38	<b>95.4</b>							
<b>Broken</b>				<b>4.4</b>	1	4	7	N/A	N/A	-8	Lake Mokoan releases ceased 31 January 2009 for decommissioning works. Storage is officially empty because of subsequent evaporation.
Nillahcootie	40	8.4	1	<b>7.4</b>							
Mokoan	365	0	3	<b>-3</b>							
<b>Campaspe</b>				<b>17.3</b>				N/A	N/A		Total allocated water refers only to G-MW share of Lake Eppalock.
Eppalock	305	18.3	1	<b>17.3</b>	14	2	3			-18	
<b>Loddon</b>				<b>0.1</b>	2	4	5	N/A	N/A	-11	
Calrn Curran	147	4.3	0.5	<b>3.8</b>							
Tullaroop	72	3.3	7	<b>-3.7</b>							
<b>Ovens</b>				<b>18.5</b>	0	19	12	0	N/A	-12	
Buffalo	23	15.5	5	<b>10.5</b>							
William Hovell	13.5	9	1	<b>8</b>							
<b>Queensland</b>											
<b>Condamine</b>				<b>23.52</b>				N/A	80		Storage level must be above 18% for allocations, storage below 12% is reserved for town water supply.
Leslie	106.2	15.6	2.13	<b>13.47</b>	See Comments					0	
<b>Cooby</b>				<b>0.55</b>	0.55					0	Cooby Dam is 100% committed to town water supply for Toowoomba and surrounding area, current low level has resulted in level 5 water restrictions. Allocation releases cease at 60%, storage below 35% is reserved for Town water supply for Chinchilla.
Chinchilla	23.1	2.65	2.1	<b>9.5</b>	3.4					0	
<b>Border</b>				<b>32.2</b>				N/A	150		This dam is located in Queensland. Use is shared with NSW. Queensland has 35GL of current storage volume.
Glenlyon Dam (Old)	See NSW Glenlyon			<b>32.2</b>	7	17	12			1	
Coolmunda	69	32.5	0.3	<b>32.2</b>						0	
<b>Moonie</b>								N/A	25		
<b>Lower Balonne</b>				<b>66.91</b>				N/A	120		Town water supply for St. George is medium priority and delivered on availability as per other entitlements. Town water is otherwise supplied from GAB groundwater sources. Storage is used for town water supply, visual amenity and recreational use and as a balance for releases from Beardmore.
Beardmore	81.7	61.4	3.12	<b>58.28</b>	See Comments					0	
Jack Taylor	10.1	10.3	1.67	<b>8.63</b>	See Comments					0	
<b>Warrego</b>								N/A	15		
<b>MDBA</b>											
<b>Murray Valley</b>				<b>1675</b>	<b>88</b>	<b>1256</b>	<b>254</b>	<b>88</b>	N/A	<b>-10</b>	The -10 GL is a reliance on future unregulated inflows
Hume	3038	348	30	<b>318</b>							
Dartmouth	3906	867	80	<b>787</b>							
Lake Victoria	677	167	100	<b>67</b>							
In transit				133							
Minimum Tributary Inflows (see Darling, Murrumbidgee, Goulburn and Ovens from column 9)				<b>370</b>							
<b>Lower Lakes</b>	2015	717									

\* Private storage estimates are indicative only, based on an estimate of the total harvest and estimated use since summer 07/08. The ability to extract water from these storages is limited.

\*\* Future inflows in each valley are not explicitly included in the table but may have been included when water resources assessments were made.

Minimum Snowy Hydro inflows are included in the Murray and Murrumbidgee assessments.

There is approximately 96 GL in ACT storages (approximately 46%), for urban use only.

## Losses include the volume reserved to meet natural river channel transmission losses and also the water to meet large scheme irrigation channel losses. Applicable in the Murrumbidgee and Goulburn Valleys