

# Surface water recovery required under the Basin Plan including the Sustainable Diversion Limit Adjustment Mechanism <sup>(1)</sup>

as at 30 June 2021

Incorporating accredited Water Resource Plans and updated LTAA factors for New South Wales

Shared Zone	Basin Plan Target <sup>(2)</sup>		Apportioned supply contribution <sup>(4)</sup>	Recovery Progress			Gap Bridging Remaining		Efficiency Contribution				
	Local Target	Shared Target <sup>(3)</sup>		Commonwealth water recovery <sup>(5)</sup>		Basin States water recovery <sup>(7)</sup>	Balance against Targets <sup>(8)</sup>		Target <sup>(9)(10)</sup>	Registered water recovery <sup>(11)</sup>	Contracted in funding agreements <sup>(12)</sup>	Recovery remaining <sup>(13)</sup>	
				Registered with the CEWH	Contracted in funding agreements <sup>(6)</sup>		Local remaining recovery task	Shared remaining recovery task					
Condamine-Balonne	100.0	0.0		86.0			14.0						
Moonie	0.0	2.1		2.8									
Nebine	1.0	2.8		3.8									
Paroo	0.0	0.0											
QLD Border Rivers	14.0	0.0		14.4									
Warrego	8.0	12.1		20.1									
<b>Northern Basin QLD Zone</b>	<b>123.0</b>	<b>17.0</b>	<b>N/A</b>	<b>127.2</b>	<b>0.0</b>	<b>0.0</b>	<b>14.0</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>		
Barwon-Darling	32.0	0.0		28.6		1.7	1.6						
Gwydir	42.0	7.6		47.9		6.7							
Intersecting Streams	0.0	13.8		13.8									
Macquarie-Castlereagh	55.0	2.6		70.0		25.8							
Namoi	20.0	0.0		10.5			9.5						
NSW Border Rivers	7.0	0.0		1.9			5.1						
<b>Northern Basin NSW Zone</b>	<b>156.0</b>	<b>24.0</b>	<b>N/A</b>	<b>172.8</b>	<b>0.0</b>	<b>34.3</b>	<b>16.2</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>		
<b>Northern Basin Zone Total</b>	<b>279.0</b>	<b>41.0</b>	<b>N/A</b>	<b>300.0</b>	<b>0.0</b>	<b>34.3</b>	<b>30.2</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>		
Lower Darling	8.0	14.3	0.0	23.2									
Murrumbidgee	320.0	277.9	162.0	416.1		26.2							
NSW Murray	262.0	165.8	124.8	292.8		0.1		10.0					
<b>Southern Basin NSW Zone</b>	<b>590.0</b>	<b>458.0</b>	<b>286.8</b>	<b>732.2</b>	<b>0.0</b>	<b>26.4</b>	<b>0.0</b>	<b>10.0</b>		<b>0.0</b>	<b>0.0</b>		
<b>Southern Basin ACT Zone <sup>(14)</sup></b>	<b>0.0</b>	<b>4.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.9</b>		<b>0.0</b>	<b>0.0</b>		
Broken	0.0	1.3	1.1	0.3		0.1							
Campaspe	18.0	13.2	2.6	6.5		22.4							
Goulburn <sup>(15)</sup>	344.0	186.4	174.5	331.8		36.0					7.5		
Kiewa	0.0	1.1	1.3										
Loddon	12.0	9.8	10.9	2.1		10.2							
Ovens	0.0	2.7	3.0	0.1									
Vic Murray <sup>(15)</sup>	253.0	210.8	72.8	372.2		20.7					8.4		
<b>Southern Basin VIC Zone</b>	<b>627.0</b>	<b>425.3</b>	<b>266.2</b>	<b>713.0</b>	<b>0.0</b>	<b>89.3</b>	<b>0.0</b>	<b>0.0</b>		<b>0.0</b>	<b>15.9</b>		
SA Murray	101.0	82.8	52.0	134.7		6.8				1.9	0.6		
EMLR	0.0	0.0	0.0										
Marne Saunders/SA non prescribed	0.0	0.0	0.0										
<b>Southern Basin SA Zone</b>	<b>101.0</b>	<b>82.8</b>	<b>52.0</b>	<b>134.7</b>	<b>0.0</b>	<b>6.8</b>	<b>0.0</b>	<b>0.0</b>		<b>1.9</b>	<b>0.6</b>		
<b>Southern Basin Total</b>	<b>1,318.0</b>	<b>971.0</b>	<b>605.0</b>	<b>1,579.9</b>	<b>0.0</b>	<b>122.5</b>	<b>0.0</b>	<b>14.9</b>		<b>1.9</b>	<b>16.5</b>		
Lachlan	48.0	N/A	N/A	35.3		11.8	0.9						
Wimmera-Mallee <sup>(16)</sup>	23.0	N/A	N/A	23.2									
<b>Total Basin</b>	<b>1,668.0</b>	<b>1,012.0</b>	<b>605.0</b>	<b>1,938.4</b>	<b>0.0</b>	<b>168.5</b>	<b>31.1</b>	<b>14.9</b>		<b>62.0</b>	<b>1.9</b>	<b>16.5</b>	
				Total water recovery			Recovery remaining						
				2,106.9			46.0						
									Efficiency contribution remaining			60.1	

Notes:

For total water recoveries allow for minor rounding. All water recovery figures are expressed in gigalitres per year long term average annual yield (GL/y) terms. Water recovery amounts are calculated consistent with accredited Water Resource Plans (WRPs) or are shown with updated factors for New South Wales. All Overland Flow water recoveries have their factors individually modelled by Queensland for the Murray-Darling Basin Authority (MDBA). WRPs are prepared by Basin states for accreditation under the Basin Plan. These plans may change the long-term diversion limit equivalent factors, affecting the final LTAAY value of entitlements held in an SDL resource unit.

1. The Sustainable Diversion Limit Adjustment Mechanism (SDLAM) amendment instrument commenced in law on 13 January 2018. More information is available at [www.mdba.gov.au/SDLAM](http://www.mdba.gov.au/SDLAM)
2. Amendments to the Basin Plan as a result of the Northern Basin Review (Basin Plan Amendment Instrument (No.1) 2018) commenced in law on 3 July 2018, reducing the water recovery target in the northern Basin from 390 GL/y to 320 GL/y.
3. Valid shared reduction re-allocation requests were received from Queensland and South Australia before 1 July 2018. Valid shared re-allocation of shared reduction amounts were received from Victoria and New South Wales before 31 December 2018 and were formally agreed to by the Authority following agreement with the Department of Agriculture, Water and the Environment on 12 March 2019. Shared reduction re-allocation is shown in this table.
4. The total supply contribution of 605 GL/y has been distributed between surface water SDL resource units in accordance with schedule 6 of the Basin Plan known as the apportioned supply contribution. The apportioned supply contribution for: Southern Basin NSW Zone is 286.8 GL/y (47.4%), Southern Basin Victorian Zone 266.2 GL/y (44%), Southern Basin SA Zone is 52 GL/y (8.6%) of the total supply contribution.
5. Commonwealth water recovery includes 1,228.3 GL/y of water recoveries against the 1,500 GL/y water purchase limit.
6. This water recovery is contracted in funding agreements and will be registered with the CEWH as agreed milestones and associated water transfers occur. Water recovery is reported at the point at which water savings or purchase have been received, estimated or agreed in signed contracts. Until water transfer contracts have been exchanged, however these figures may be subject to change over time.
7. Basin states recovery figures are as at 30 June 2021.
8. Total recoveries against gap bridging targets have changed as cap factors are updated and WRPs are finalised. The New South Wales, Victorian, South Australian and Queensland governments in conjunction with the MDBA have updated the calculation methods for LTAAY factors incorporating the most recent information. Updated factors have been released ahead of accreditation of all WRPs for some WRP areas. Further information on the updated factors is available at:  
<https://www.industry.nsw.gov.au/water/plans-programs/water-resource-plans/ltde-cap-factors>  
<https://www.water.vic.gov.au/mdb/achievements-murray-darling-basin-plan/ltde>  
<https://www.environment.sa.gov.au/topics/river-murray/basin-plan/sustainable-limits-on-water-use>  
<https://www.business.qld.gov.au/industries/mining-energy-water/water/catchments-planning/qld-murray-darling-basin>
9. The MDBAs assessment of the package of supply measures nominated by State Governments, found that SDLs in the southern Murray-Darling Basin can be adjusted upwards by 605 GL/y, reducing environmental water recovery by this amount. Prior to the operation of the SDLAM, the total surface water SDL for the Basin water resources as at the reference time, the time at which the Basin Plan first took effect 24 November 2012, is 10,873 GL/y. This figure may only be adjusted through the SDLAM by a net five per cent, i.e. up or down by a net maximum of 543 GL/y. Noting that the net five per cent applies at the Basin-scale, individual SDL resource units may increase or decrease by greater than five per cent, as long as the net Basin-wide SDL remains within the five per cent range. At least 62 GL/y of efficiency contribution must be recovered for the full 605 GL/y supply contribution to be realised. The Basin Plan recovery target is 2,075 GL/y.
10. The Basin Plan requires the recovery of 450 GL/y of water by 2024 through efficiency measures projects that achieve neutral or improved socio-economic outcomes. Funding is provided for this recovery in the Water for the Environment Special Account. Efficiency measures water recovery of 62 GL/y contributes to this requirement.
11. The registered efficiency contribution is made up of water entitlements derived from efficiency measures now registered with the CEWH.
12. The contracted efficiency contribution is water contracted under the Water Efficiency Program and GMW Water Efficiency Project, but not yet registered with the CEWH.
13. The remaining efficiency contribution recovery reflects entitlements secured under efficiency measures projects and registered with the CEWH as described on the register of measures in accordance with the Basin Plan. More information is available at <https://www.mdba.gov.au/sites/default/files/docs/171120-register-of-measures.pdf>
14. The entitlement that was acquired in 2014 to meet the ACT shared reduction target has been transferred to NSW Murrumbidgee in line with Basin Plan requirements.
15. Water recovered through the GMW Water Efficiency Project will nominally come from the Goulburn and Vic Murray SDL resource units. However due to the interconnected nature of the irrigation system, water savings may also be transferred from the Campaspe or Loddon SDL resource units. Transfers of entitlements are scheduled for registration in April 2023 and 2024.
16. The Wimmera–Mallee surface water resource plan was accredited as being consistent with the Basin Plan and commenced on 24 September 2019. As a result the local and shared reduction amounts have been assessed as fully recovered.