

## Murray-Darling Basin Baseline Diversion Limits - estimate for 2019 / 2020 water year

These estimates apply for the 2019/20 water year and were calculated at 22 August 2019. These estimates are subject to change as new information is available.

Zones	SDL Resource Unit (within zones)	take from a regulated river	take from a watercourse	take by floodplain harvesting	take from a watercourse under basic rights	take by runoff dams (excluding basic rights)	take by runoff dams under basic rights	net take by commercial plantations	total BDL <sup>(1)</sup>	estimates of BDL by Authority in 2012 <sup>(2)</sup>	increase (+) / decrease (-) since 2012
<b>NORTHERN BASIN</b>											
<b>Queensland</b>											
	Condamine-Balonne	-	570.3	143.0	NA	203.0	61.0	1.0	978.3	978.3	-
	Moonie	-	28.8	4.4	NA	40.0	11.0	-	84.2	84.2	-
	Nebine <sup>(3)</sup>	-	9.8	-	0.1	-	11.0	-	20.9	31.2	-10.3
	Paroo <sup>(3)</sup>	-	0.2	0.7	0.3	-	10.6	-	11.8	9.9	1.9
	Queensland Border Rivers	-	232.2	9.9	NA	61.0	16.0	1.0	320.1	320.1	-
	Warrego <sup>(3)</sup>	-	59.1	2.8	0.2	-	13.5	-	75.6	127.7	-52.1
	<b>total northern Basin Queensland zone</b>	-	<b>900.4</b>	<b>160.8</b>	<b>0.6</b>	<b>304.0</b>	<b>123.1</b>	<b>2.0</b>	<b>1,490.9</b>	<b>1,551.4</b>	<b>-60.5</b>
<b>Northern New South Wales</b>											
	Barwon-Darling Watercourse	-	186.5	11.5	-	-	-	-	198.0	198.0	-
	Gwydir	296.2	11.2	17.8	NA	104.0	20.0	1.0	450.2	450.2	-
	NSW Border Rivers	188.4	16.3	3.0	NA	79.0	16.0	-	302.6	302.6	-
	Intersecting Streams <sup>(4)</sup>	-	16.8	-	NA	105.0	6.0	-	127.8	114.0	13.8
	Namoi	251.2	78.1	14.0	NA	139.0	21.0	5.0	508.3	508.3	-
	Macquarie-Castlereagh	380.3	44.0	-	NA	156.0	110.0	44.0	734.3	734.3	-
	<b>total northern Basin New South Wales zone</b>	<b>1,116.1</b>	<b>352.9</b>	<b>46.2</b>	<b>-</b>	<b>583.0</b>	<b>173.0</b>	<b>50.0</b>	<b>2,321.2</b>	<b>2,307.4</b>	<b>13.8</b>
	<b>total northern Basin</b>	<b>1,116.1</b>	<b>1,253.3</b>	<b>207.0</b>	<b>0.6</b>	<b>887.0</b>	<b>296.1</b>	<b>52.0</b>	<b>3,812.1</b>	<b>3,858.8</b>	<b>-46.7</b>
<b>SOUTHERN BASIN</b>											
<b>Southern New South Wales</b>											
	Lower Darling	55.0	NA	-	NA	-	5.5	-	60.5	60.5	-
	Murrumbidgee - NSW	1,957.7	42.4	-	NA	344.0	41.0	116.0	2,501.1	2,501.1	-
	NSW Murray	1,680.0	27.7	-	NA	70.0	10.0	24.0	1,811.7	1,811.7	-
	<b>total southern Basin New South Wales zone</b>	<b>3,692.7</b>	<b>70.1</b>	<b>-</b>	<b>-</b>	<b>414.0</b>	<b>56.5</b>	<b>140.0</b>	<b>4,373.3</b>	<b>4,373.3</b>	<b>-</b>
<b>ACT</b>											
	ACT (surface water) <sup>(5)</sup>	-	42.7	-	NA	0.7	0.3	11.0	54.7	52.5	2.2
	<b>total southern Basin ACT zone</b>	<b>-</b>	<b>42.7</b>	<b>-</b>	<b>-</b>	<b>0.7</b>	<b>0.3</b>	<b>11.0</b>	<b>54.7</b>	<b>52.5</b>	<b>2.2</b>
<b>Victoria</b>											
	Broken	13.2	-	-	NA	19.0	11.0	13.0	56.2	56.2	-
	Campaspe	110.9	1.7	-	NA	23.0	16.0	1.0	152.6	152.6	-
	Goulburn	1,551.6	28.8	-	NA	47.0	39.0	23.0	1,689.4	1,689.4	-
	Kiewa	-	11.0	-	NA	2.1	4.5	7.0	24.6	24.6	-
	Loddon	88.6	-	-	NA	59.0	26.0	5.0	178.6	178.6	-
	Ovens	25.4	NA	-	NA	9.0	17.0	32.0	83.4	83.4	-
	Victorian Murray	1,662.1	NA	-	NA	13.0	10.0	22.0	1,707.1	1,707.1	-
	<b>total southern Basin Victoria zone</b>	<b>3,451.8</b>	<b>41.5</b>	<b>-</b>	<b>-</b>	<b>172.1</b>	<b>123.5</b>	<b>103.0</b>	<b>3,891.9</b>	<b>3,891.9</b>	<b>-</b>
<b>South Australia</b>											
	Eastern Mount Lofty Ranges	-	15.3	-	NA	9.8	NA	3.2	28.3	28.3	-
	South Australian Murray	-	665.0	-	NA	-	-	-	665.0	665.0	-
	Marne Saunders	-	NA	-	NA	2.9	NA	NA	2.9	2.9	-
	SA Non-Prescribed Areas <sup>(6)</sup>	-	-	-	-	55.2	-	-	55.2	3.5	51.7
	<b>total southern Basin South Australia zone</b>	<b>-</b>	<b>680.3</b>	<b>-</b>	<b>-</b>	<b>67.9</b>	<b>-</b>	<b>3.2</b>	<b>751.4</b>	<b>699.7</b>	<b>51.7</b>
	<b>total southern Basin (ex disconnected)</b>	<b>7,144.5</b>	<b>834.6</b>	<b>-</b>	<b>-</b>	<b>654.7</b>	<b>180.3</b>	<b>257.2</b>	<b>9,071.3</b>	<b>9,017.4</b>	<b>53.9</b>
<b>DISCONNECTED TRIBUTARIES</b>											
	Lachlan	286.7	15.7	-	NA	230.0	57.0	29.0	618.4	618.4	-
	Wimmera-Mallee (surface water)	65.7	0.8	-	NA	39.0	22.0	1.0	128.5	128.5	-
<b>TOTAL</b>		<b>8,613.0</b>	<b>2,104.4</b>	<b>207.0</b>	<b>0.6</b>	<b>1,810.7</b>	<b>555.4</b>	<b>339.2</b>	<b>13,630.3</b>	<b>13,623.1</b>	<b>7.2</b>
<b>BDL:</b>											
	Interceptions					1,810.7	555.4	339.2	2,705.3	2,736.2	-30.9
	Watercourse diversions	8,613.0	2,104.4	207.0	0.6				10,925.0	10,886.9	38.1
									13,630.3	13,623.1	7.2

N/A = Authority is yet to estimate this take

(1) current estimate of BDL calculated at 22 August 2019 for water year 2019/20 :

- where a water resource plan has been accredited, the estimates from that WRP are used
- in the ACT, a Basin Plan amendment made in 2018 increased the BDL estimate for take from a watercourse
- work done by NSW DPI to update long term diversion limit equivalent (LTDLE) factors in 2018 improved the BDL estimate for Intersecting Streams SDL resource unit
- otherwise the estimate is from the Basin Plan as originally prepared in 2012.

See notes (3) to (6) below

(2) original estimates of BDL made by the Authority in 2012 and published in Schedule 3 of the Basin Plan

(3) improved estimates of the BDL as per accredited Warrego-Paroo-Nebine Water Resource Plan. The plan was accredited by the then Minister for Agriculture and Water Resources on 18 June 2017.

(4) As part of NSW's 2018 work to improve long term diversion limit equivalent (LTDLE) factors, work was completed to better understand diversions in the Warrego River that form part of the Intersecting Streams SDL resource unit. A water recovery factor was calculated for an *additional special high flow class* entitlement based on an improved estimate for *take from a watercourse*. Consistent with that work, the improved estimate of BDL for that form of take for the Intersecting Streams BDL is presented here. Further information about the improved estimate is available from NSW DPI web site <https://www.industry.nsw.gov.au/water/plans-programs/water-resource-plans/ltldle-cap-factors>

(5) improved estimate of the BDL as per Basin Plan Amendment Instrument (No.1) 2018.

ACT advised an improved description of the baseline diversion limit is available due to population growth up to 30 June 2009 (0.5GL per year), The Living Murray contributions made by the ACT (2 GL per year) and new information on historic Commonwealth water use within the ACT (0.2 GL per year). This updates the Authority's estimate of the BDL from 40.5 GL per year to 42.7 GL per year.

(6) improved estimate of the BDL as per accredited South Australian Murray Region Water Resource Plan. The plan was accredited by the Minister for Agriculture on 20 August 2019.