Appendix 3 of the Transition Period Water Take Report 2018-19

Groundwater SDL trial water take account

Non-binding trial of reporting under the Basin Plan (incorporating amendments) - Groundwater sustainable diversion limits, water recovered, permitted and actual take and indicative compliance test (from July 2012)

SDL Resource Unit code	SDL resource unit	WRP area	State	SDL (GL/yr) [1]	SDL (GL/yr) [2]	State Limit Lower (GL/y)	Recovery Target LTCEL (GL)	Long Term Diversion Limit Equivalence (LTCEL) of the Held Environmental Water (HEW) recovered (GL) [3] = [1]-[2]	Total Annual Permitted Take (GL/y) a71(1)(b) and Basin Plan 6.12B(1) – annual permitted take. Calculated using accredited or draft WRPs as applicable [5]										Take under Basic Rights (GL/y) -	Annual Actual Take (GL/y) a71(1)(b) and Basin Plan 6.12B(2) - annual actual take [4]									
									1 July 2012 to 30 June 2013	1 July 2013 to 30 June 2014	1 July 2014 to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018	1 July 2018 to 30 June 2019										
									2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
GS04	Queensland Border Rivers Alluvium	Queensland Border Rivers-Moonie	QLD	14.0	14.0	20.0			14.0	14.0	14.0	14.0	14.0	14.0	14.0	1.44	1.44	1.44	1.08	0.85	11.1	11.5	12.4	10.6	14.3	14.4
GS05	Queensland Border Rivers Fractured Rock	Queensland Border Rivers-Moonie	QLD	10.5	10.5	15.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	1.07	1.07	1.07	0.80	0.62	8.32	8.32	10.5	10.2	9.41	8.81
GS07	Eastern/mid-to-the-West Alluvium Basin: Border Rivers-Moonie	Queensland Border Rivers-Moonie	QLD	0.19	46.0	11.4			46.0	46.0	46.0	46.0	46.0	46.0	46.0	0.12	0.12	0.12	0.09	0.07	0.11	0.13	0.38	0.36	0.36	0.31
GS52	St George Alluvium: Moonie	Queensland Border Rivers-Moonie	QLD	0.00	0.66	0.66			0.59	0.66	0.66	0.66	0.66	0.59	0.66	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
GS53	Condamine Fractured Rock	Condamine-Balonne	QLD	0.91	1.46	1.73			1.46	1.46	1.46	1.46	1.46	1.46	1.46	0.08	0.08	0.08	0.06	0.05	0.32	0.09	1.22	2.22	0.36	0.42
GS55	Queensland NDR: deep	Condamine-Balonne	QLD	0.56	100.0	15.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GS56	Eastern/mid-to-the-West Alluvium Basin: Condamine-Balonne	Condamine-Balonne	QLD	0.88	18.1	3.31			18.1	18.1	18.1	18.1	18.1	18.1	18.1	0.59	0.59	0.59	0.45	0.35	0.46	0.56	0.59	0.65	0.87	0.48
GS61a	St George Alluvium: Condamine-Balonne (Lakiba)	Condamine-Balonne	QLD	0.77	27.7	4.16			27.7	27.7	27.7	27.7	27.7	27.7	27.7	0.77	0.77	0.77	0.59	0.47	1.12	1.16	1.10	1.10	0.96	0.74
GS61b	St George Alluvium: Condamine-Balonne (Jeep)	Condamine-Balonne	QLD	12.6	12.6	12.6			12.5	12.6	12.6	12.6	12.5	12.5	12.6	0.00	0.00	0.00	0.10	9.50	11.3	11.5	11.4	11.4	11.4	11.3
GS61c	Upper Condamine Alluvium Central Condamine Alluvium	Condamine-Balonne	QLD	51.4	46.0	30.0	35.4	0.00	0.00	0.00	0.00	2.07	2.71	2.71	34.1	46.0	46.0	46.0	46.0	46.0	32.2	33.3	41.1	42.0	46.0	30.3	37.7
GS54b	Upper Condamine Alluvium (Tributaries)	Condamine-Balonne	QLD	45.5	45.0	45.5	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	46.0	46.0	46.0	46.0	46.0	40.5	40.3	46.0	46.0	46.0	46.0
GS55	Upper Condamine Benefin	Condamine-Balonne	QLD	79.0	79.0	79.0			79.0	79.0	79.0	79.0	79.0	79.0	79.0	17.9	17.9	17.9	13.2	65.1	70.1	69.3	72.7	73.0	62.9	58.0
GS02	Warrego Alluvium: Upper Warrego Alluvium Basin - Warrego-Paroo-Nebine	Warrego-Paroo-Nebine	QLD	1.31	1.32	1.24	1.24	0.89	0.72	0.74	1.11	0.85	0.59	0.59	0.80	0.88	0.76	1.24	0.89	0.72	0.75	1.32	1.24	1.24	0.89	0.72
GS03	St George Alluvium: Warrego-Paroo-Nebine	Warrego-Paroo-Nebine	QLD	0.12	24.0	0.09			0.12	0.12	0.12	0.12	0.11	0.09	0.09	0.11	0.11	0.11	0.08	0.06	0.12	0.12	0.12	0.11	0.09	0.09
GS05	Warrego Alluvium	Warrego-Paroo-Nebine	QLD	0.19	10.2	2.75			0.09	0.72	0.72	0.72	0.48	0.19	0.77	0.40	0.47	0.47	0.40	0.64	0.00	0.72	0.72	0.48	0.19	0.77
GS50	Western Porous Rock	NSW Murray-Darling Basin Porous Rock	NSW	0.5	226.0	530.0			226.0	226.0	226.0	226.0	226.0	226.0	226.0	26.0	26.0	26.7	26.7	26.7	35.0	30.7	29.0	35.4	33.5	34.9	33.4
GS17	Gunnedah Oxley Basin MDB	NSW Murray-Darling Basin Porous Rock	NSW	22.1	127.0	205.0			127.0	127.0	127.0	127.0	127.0	127.0	127.0	5.76	5.76	5.76	5.76	5.76	9.56	11.9	12.0	11.6	12.0	14.1	15.2
GS41	Sydney Basin MDB	NSW Murray-Darling Basin Porous Rock	NSW	19.1	19.1	19.1			19.1	19.1	19.1	19.1	19.1	19.1	19.1	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
GS36	Oaklands Basin	NSW Murray-Darling Basin Porous Rock	NSW	0.60	2.50	0.60			2.50	2.50	2.50	2.50	2.50	2.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GS42	Upper Darling Alluvium	Darling Alluvium	NSW	6.28	6.00	19.1			6.39	6.39	6.39	6.39	6.39	6.39	6.39	2.28	2.76	2.76	2.76	2.80	3.59	4.48	4.26	3.85	4.19	4.26
GS23	Lower Darling Alluvium	Darling Alluvium	NSW	2.23	2.22	2.22			2.23	2.22	2.23	2.22	2.23	2.22	2.23	0.75	0.75	0.75	0.75	0.75	0.75	0.77	0.76	0.76	0.76	0.76
GS13	Billabong Creek Alluvium	Murray Alluvium	NSW	7.56	7.56	7.56			7.56	7.56	7.56	7.56	7.56	7.56	7.56	0.64	0.64	0.64	0.64	1.97	2.16	2.66	3.26	2.10	3.95	4.10
GS27a	Lower Murray, Shallow Alluvium	Murray Alluvium	NSW	81.9	81.9	81.9			81.9	81.9	81.9	81.9	81.9	81.9	81.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	4.10
GS27b	Lower Murray Deep Alluvium	Murray Alluvium	NSW	98.9	88.9	85.0			1.32	1.32	1.32	1.32	128.4	104.3	98.9	85.2	81.0	97.7	97.7	1.32	1.32	1.32	1.32	56.2	45.2	67.5	85.3
GS45	Upper Murray Alluvium	Murray Alluvium	NSW	14.1	14.1	14.1			14.1	14.1	14.1	14.1	14.1	14.1	14.1	0.14	0.14	0.14	0.14	0.14	12.3	10.7	9.87	11.2	8.82	14.0
GS01	Lake George Alluvium	Murrumbidgee Alluvium	NSW	1.27	1.27	1.27			1.27	1.27	1.27	1.27	1.27	1.27	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.40	0.39	0.39	0.39	0.39
GS29a	Lower Murrumbidgee Shallow Alluvium	Murrumbidgee Alluvium	NSW	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	3.00	3.00	3.00	3.00	0.47	0.47	0.47	0.47	0.47	26.9	3.00	3.00	3.00	3.00	3.00
GS28	Lower Murrumbidgee Deep Alluvium	Murrumbidgee Alluvium	NSW	273.6	273.6	273.6		5.00	5.00	5.00	5.00	323.9	279.2	269.9	257.5	257.5	264.5	311.5	1.00	1.00	1.00	1.00	179.6	230.1	300.3	268.3
GS31	Mid-Murrumbidgee Alluvium	Murrumbidgee Alluvium	NSW	53.5	53.5	53.5			61.4	56.1	56.5	43.0	45.6	56.1	56.5	0.60	0.60	0.60	0.60	0.60	35.5	36.1	46.1	32.4	30.0	42.7	54.6
GS12	Belubula Alluvium	Lachlan Alluvium	NSW	2.88	2.88	2.88			2.88	2.88	2.88	2.88	2.88	2.88	2.88	0.44	0.44	0.44	0.44	0.44	0.40	0.40	0.73	0.87	1.09	1.04
GS25	Lower Lachlan Alluvium	Lachlan Alluvium	NSW	128.0	120.0	118.4	94.7	97.9	117.4	117.4	4.08	4.08	4.08	4.08	87.2	104.8	120.0	97.3	91.4	127.2	131.8
GS44	Upper Lachlan Alluvium	Lachlan Alluvium	NSW	94.2	94.2	94.2			94.2	94.2	94.2	94.2	94.2	94.2	94.2	6.28	6.28	6.28	6.28	6.28	44.2	42.2	57.2	55.7	57.9	75.4
GS18	Adelaide Fold Belt MDB	NSW Murray-Darling Basin Fractured Rock	NSW	0.80	6.46	6.46			0.80	6.46	6.46	6.46	6.46	6.46	6.46	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
GS19	Kanmantoo Fold Belt MDB	NSW Murray-Darling Basin Fractured Rock	NSW	8.01	18.7	12.1			18.7	18.7	18.7	18.7	18.7	18.7	18.7	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15
GS20	Lachlan Fold Belt MDB	NSW Murray-Darling Basin Fractured Rock	NSW	0.60	259.0	901.4		0.00	0.00	0.00	0.00	259.0	259.0	259.0	259.0	259.0	259.0	74.3	75.0	75.0	75.0	80.0	82.1	78.8	78.7	79.8	77.2
GS39	Orange Basalt	NSW Murray-Darling Basin Fractured Rock	NSW	10.7	10.7	10.7			10.7	10.7	10.7	10.7	10.7	10.7	10.7	1.16	1.16	1.16	1.16	1.16	1.86	1.69	1.69	1.69	1.77	1.69
GS51	Young Granite	NSW Murray-Darling Basin Fractured Rock	NSW	7.11	7.11	9.03			7.11	7.11	7.11	7.11	7.11	7.11	7.11	0.76	0.76	0.76	0.76	0.76	1.82	1.76	1.44	1.45	2.50	2.82
GS16	Inverell Basalt	NSW Murray-Darling Basin Fractured Rock	NSW	4.15	4.15	4.15			4.15	4.15	4.15	4.15	4.15	4.15	4.15	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.34	1.25	1.92
GS22	Liverpool Ranges Basalt MDB	NSW Murray-Darling Basin Fractured Rock	NSW	2.16	2.16	2.16			2.16	2.16	2.16	2.16	2.16	2.16	2.16	1.83	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.84
GS37	New England Fold Belt MDB	NSW Murray-Darling Basin Fractured Rock	NSW	55.1	55.1	55.1	55.1	55.1	55.1	55.1	19.6	19.6	19.6	19.6	19.6	20.1	19.0	20.0	19.0	19.0	20.0	19.0	19.0	19.0	19.0	19.0
GS49	Warrumbungle Basalt	NSW Murray-Darling Basin Fractured Rock	NSW	0.56	0.56	0.56			0.56	0.56	0.56	0.56	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
GS11	Bell Valley Alluvium	Macquarie-Castlereagh Alluvium	NSW	3.39	3.39	3.39			3.39	3.39	3.39	3.39	3.39	3.39	3.39	0.07	0.07	0.07	0.07	0.07	1.36	1.35	1.44	1.41	0.88	1.91
GS14	Castlereagh Alluvium	Macquarie-Castlereagh Alluvium	NSW	0.62	0.62	0.62			0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
GS15	Coolaburragundy-Talbragar Alluvium	Macquarie-Castlereagh Alluvium	NSW	3.47	3.47	3.47			3.47	3.47	3.47	3.47	3.47	3.47	3.47	0.07	0.07	0.07	0.07	0.07	1.42	2.07	1.72	2.16	2.17	3.47
GS19	Gwydir Alluvium	Macquarie-Castlereagh Alluvium	NSW	2.68	2.76	2.76	2.53	2.53	2.68	2.68	0.28	0.28	0.28	0.28	1.23	1.53	2.68	2.68	2.68	2.68	1.23	1.53	2.76	2.53	1.94	1.96
GS26	Lower Macquarie Alluvium*	Macquarie-Castlereagh Alluvium	NSW	59.7	52.7	71.1			33.4	53.2	53.0	52.7	52.7	52.7	52.7	0.39	0.50	0.50	0.50	0.50	26.6	28.7	30.0	35.2	18.5	40.8
GS24	Upper Gwydir Alluvium	Gwydir Alluvium	NSW	39.1	43.0	39.7	36.3	39.1	39.3	39.6	0.75	0.75	0.75	0.75	29.3	46.8	43.0	35.0	33.6	35.3	37.6
GS43	Upper Gwydir Alluvium	Gwydir Alluvium	NSW	0.73	0.72	0.73	0.73	0.73	0.72	0.72	0.12	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.77	0.77	0.77	1.10	1.10	1.10
GS32	NSW Border Rivers Alluvium	NSW Border Rivers Alluvium	NSW	6.46	6.46	6.46			6.46	6.46	6.46	6.46	6.46	6.46	6.46	0.24	0.24	0.24	0.24	0.24	2.94	3.56	5.41	3.98	3.56	5.37
GS33	NSW Border Rivers Tributary Alluvium	NSW Border Rivers Alluvium	NSW	0.41	0.41	0.41			0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
GS52	Australian Capital Territory (Groundwater)	Australian Capital Territory (groundwater)	ACT	2.37	3.16	7.20			3.16	3.16	3.16	3.16	3.16	3.16	3.16	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
GS5a	Goulburn-Murray: Shepparton Irrigation Region	Goulburn-Murray	VIC	244.1	244.1	244.1			244.1	244.1	244.1	244.1	244.1	244.1	244.1	0.00	0.00	0.00	2.50	41.3	35.1	43.7	79.3	54.2	43.4	96.1
GS5b	Goulburn-Murray: Highlands	Goulburn-Murray	VIC	36.5	66.1	36.5			66.1	66.1	66.1	66.1	66.1	66.1	66.1	3.85	3.85	6.35	6.35	9.91	5.52	19.4	13.1	13.3	22.4	10.5
GS5c	Goulburn-Murray: Sedimentary Plain	Goulburn-Murray	VIC	203.0	223.0	223.0	223.0	203.0	223.0	223.0	15.4	15.5	8.28	8.28	101.2	98.4	136.5	141.1	138.5	120.9	140.9	139.4	145.3	145.3	145.3	145.3
GS5d	Goulburn-Murray: deep	Goulburn-Murray	VIC	0.00	20.0	0.00			20.0	20.0	20.0	20.0	20.0	20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.00	0.00
GS2a	Wimmera-Mallee: Highlands	Wimmera-Mallee	VIC	1.26	2.75	1.30			2.75	2.75	2.75	2.75	2.75	2.75	2.75	0.28	0.28	0.28	0.28	0.28	0.27	0.15	0.32	0.63	0.72	0.40	0.72
GS2b	Wimmera-Mallee: Sedimentary Plain**	Wimmera-Mallee	VIC	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	0.00	0.00	0.00	0.00	0.00	15.6	9.32	7.53	7.16	5.62	6.82
GS2c	Wimmera-Mallee: deep	Wimmera-Mallee	VIC	0.00	20.0	0.00			20.0	20.0	20.0	20.0	20.0	20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.00
GS3a	Willunga (Pliocene Sands)	South Australian Murray Region	SA	0.00	41.4	0.00			41.4	41.4	41.4	41.4	41.4	41.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GS3b	Willunga (Murray Group Limestone)	South Australian Murray Region	SA	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	2.28	2.28	2.28	2.28	41.0	34.9	37.7	35.4	28.3	37.2	38.7
GS3c	Willunga (Renmark Group)	South Australian Murray Region	SA	0.00	2.00	0.00			2.00	2.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GS4a	Padthaway-Sherlock (unconfined)	South Australian Murray Region	SA	3.40	3.40	3.40			3.40	3.40	3.40	3.40	3.40	3.40	3.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
GS3b	Padthaway-Sherlock (confined)	South Australian Murray Region	SA	2.58	2.58	2.58			2.58	2.58	2.58	2.58	2.58	2.58	0.40	0.40	0.40	0.40	1.80	1.11	0.61	0.56	0.98	0.99	1.00
GS6	SA Murray	South Australian Murray Region	SA	1.80	64.0	0.00			64.0	64.0	64.0	64.0	64.0	64.0	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
GS7	SA Murray: Tail Interception Scheme	South Australian Murray Region	SA	13.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	9.94	11.3	10.6	11.4	10.6	10.4	10.2	9.94	21.2	20.8	42.6	33.3	63.4	75.8
GS1a	Angas Bremer (Quaternary Sediments)	Eastern Mount Lofty Ranges	SA	0.00	1.00	0.20			0.20	0.20	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GS1b	Angas Bremer (Murray Group Limestone)	Eastern Mount Lofty Ranges	SA	6.50	6.57	6.66			6.57	6.57	6.57	6.57	6.57	6.57	0.08	0.08	0.08	0.08	0.08	0.08	2.07	1.73	1.45	1.21	0.66	0.93	1.93
GS2	Eastern Mount Lofty Ranges	Eastern Mount Lofty Ranges	SA	34.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	0.75	0.75	0.75	0.75	2.63	2.18	2.18	8.14	0.37	7.52	11.0
GS1c	Marne Saunders (Fractured Rock)	Eastern Mount Lofty Ranges	SA	2.09	2.09	2.09	2.09	2.09	2.09	2.09	0.09	0.09	0.09	0.09	0.46	0.46	0.46	0.56	0.56	0.56	0.46	0.73	0.46	0.46	0.46	0.73
GS4b	Marne Saunders (Murray Group Limestone)	Eastern Mount Lofty Ranges	SA	2.38	2.38	2.40			2.38	2.38	2.38	2.38	2.38	2.38	0.18	0.18	0.18	0.18	1.60	1.34	1.49	1.53	1.25	1.42	1.40
GS4c	Marne Saunders (Renmark Group)	Eastern Mount Lofty Ranges	SA	0.50	0.50	0.50			0.50	0.50	0.50	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTALS		MDB	2365.0	3472.4	4750.4	361.5	0.00	0.00	0.00	8.01	9.31	41.4	3454.1	3392.4	3466.2	3265.3	3035.4	3068.6	3102.3	255.1	255.0	258.1	1203.2	1367.1	1542.4	1521.1	1191.7	1605.1	1862.0

| | | | | | | | | | |