



Victoria Government Gazette

No. S 157 Friday 26 April 2019
By Authority of Victorian Government Printer

Water Act 1989

BULK ENTITLEMENT (EILDON – GOULBURN WEIR)

Minor Amendment Notice 2019

I, Lisa Neville, Minister for Water, as Minister administering the **Water Act 1989**, by notice amend the Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995.

Title

1. This Notice is called the Bulk Entitlement (Eildon – Goulburn Weir) Minor Amendment Notice 2019.

Purpose

2. The purpose of this Notice is to amend the Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 to adjust Goulburn–Murray Rural Water Corporation's loss allowances to enable the transfer of water savings from the Goulburn–Murray Water Connections Project to the Commonwealth Environmental Water Holder. The Amendment also makes other minor changes to improve the clarity of the document.

Authorising provision

3. This Notice is made in accordance with section 45 of the **Water Act 1989**.

Commencement

4. This Notice comes into effect on the day it is published in the Victoria Government Gazette.

Definitions

5. In this Notice a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 (as amended).

Amendments to Clause 7

6. For paragraph 7A.1 (c) of the Bulk Entitlement Order, **substitute** –
'(c) an annual volume to cover losses incurred outside the Goulburn Component of GMID such as storage losses (evaporation, seepage and spills from storages) and river operating losses (evaporation, seepage and water to provide minimum flows). The Authority must determine an appropriate volume of losses outside of the Goulburn Component of GMID to reserve at the start of each year, based on seasonal conditions and likely system operation, however any unused portion of this reserve must be returned to the general allocation pool at the end of each year or earlier if appropriate; and';
7. In sub-clause 7A.1, after paragraph (c), **insert** –
'(d) The delivery loss provisions for waterworks districts, as specified in Schedule 2A.';

Amendment of Clause 17

8. Paragraph 17.1(m) of the Bulk Entitlement Order is **revoked**.

Amendment to Schedule 1

9. For Schedule 1 of the Bulk Entitlement Order, **substitute** –

SPECIAL

**‘SCHEDULE 1 –
PRIMARY ENTITLEMENTS – WATER SHARES AND DISTRIBUTION LOSSES**

Details of primary entitlement in Table 1 and 2 in this schedule are sourced from the Victorian Water Register on 10 April 2019 and do not take into account any trade of water shares that may have occurred after this date.

1. Water shares issued in respect of the Goulburn System (trading zones 1A, 1B and 3)

Table 1 High-reliability and low reliability water shares

Description	Nominal volume (ML)	
	High reliability	Low reliability
Shepparton IA (zone 1A)	105,852.3	59,589.3
Central Goulburn IA (zone 1A)	204,551.3	125,551.3
Rochester IA (zone 1A)	101,768.7	60,762.8
Loddon Valley IA (zone 1A and 1B)	116,194.2	61,173.5
Goulburn diverters (zone 1A)	22,184.4	6,666.0
Lower Goulburn diverters (zone 3)	11,459.3	3,408.9
Non Water User	461,608.9	135,239.4
TOTAL	1,023,619.1	452,391.2

2. Entitlements issued in respect of the Goulburn System (trading zones 1A, 1B and 3) for which there is authority to take from another water system

Table 2 Water shares issued in respect of the Goulburn System

Description	Nominal volume (ML)	
	High reliability	Low reliability
to G-MW diverters in the Murray (zones 6, 6B and 7)	507.1	766.9
to G-MW districts in the Murray (zones 6, 6B and 7)	8,762.5	7,785.4
to LMW diverters (zone 7)	17,297.2	7,195.7
to LMW districts (zone 7)	0.0	90.7
to South Australia	40.0	0.0
TOTAL	26,606.8	15,838.7

Table 3 Entitlements originally issued in respect of the Goulburn System which have been cancelled and issued in respect of another system

Bulk obligation to supply other water systems, arising from legacy exchange rate trade	
From Zone 1A to Victorian Murray (zone 7)	90,617
From Zone 1A to South Australia	10,918
From Zone 3 to Victorian Murray (zone 7)	4,340

3. Distribution loss entitlements applicable for each irrigation area

The distribution loss provisions shown in Table 5 are made up of a fixed loss component (at 0% delivery) and a variable component which varies with deliveries in each irrigation area. The distribution losses in each irrigation area are allocated throughout the year based on the maximum delivery volume in each area as shown in Table 5. The total diversion and loss provision for the Goulburn Component of GMID (the bottom two rows of Table 5) are used to assess compliance at the end of the year once the actual annual volume of diversions and deliveries is known.

Table 5 Distribution loss provision compared to delivery volume within the Goulburn Component of GMID

Irrigation area	Type	Loss provision (GL) for allocation in line with maximum deliverable volume during the season											
		0.000	17.591	35.182	61.569	87.956	123.138	175.911	211.094	255.072	316.641	351.823	
Shepparton (zone 1A)	Delivery	0.000	17.591	35.182	61.569	87.956	123.138	175.911	211.094	255.072	316.641	351.823	
	Loss	17.924	21.475	25.027	30.354	35.681	42.784	53.439	54.820	56.547	58.965	60.346	
Central Goulburn (zone 1A)	Delivery	0.000	37.300	74.600	130.550	186.500	261.100	373.001	447.601	540.851	671.401	746.001	
	Loss	32.293	38.420	44.546	53.736	62.925	75.178	93.558	103.022	114.853	131.416	140.881	
Rochester and Loddon Valley (zone 1A and 1B)	Delivery	0.000	39.717	79.434	139.009	198.584	278.018	397.169	476.603	575.895	714.904	794.338	
	Loss	32.911	37.771	42.632	49.922	57.213	66.933	81.514	84.201	87.558	92.259	94.946	
Loss Provision (GL)		83.128	97.666	112.204	134.012	155.819	184.896	228.511	242.043	258.959	282.641	296.173	
Total Diversion (delivery plus loss in GL)		83.128	192.274	301.421	465.140	628.860	847.152	1,174.591	1,377.340	1,630.776	1,985.586	2,188.335	

Note loss provisions above may be allocated at different delivery volumes than shown in Table 5 by linear interpolation or extrapolation.

Table 6 Annual and cumulative headroom allowances (GL)

Irrigation area	Fixed loss	Annual headroom	Cumulative headroom
Shepparton (zone 1A)	17.924	3.585	17.513
Central Goulburn (zone 1A)	32.293	6.459	36.235
Rochester and Loddon Valley (zone 1A and 1B)	32.911	6.582	35.705
Total Goulburn Component of GMID	83.128	16.626	89.453

Amendment to Schedule 2A

10. In clause 4 of Schedule 2A of the Bulk Entitlement Order, after the words 'Tungamah Waterworks District', insert '(includes the Cosgrove Domestic and Stock Pipeline system supplied from the Tungamah Waterworks District entitlement)'.
 Dated 24 April 2019

HON. LISA NEVILLE MP
 Minister for Water

Water Act 1989**BULK ENTITLEMENT (RIVER MURRAY – GOULBURN–MURRAY WATER)****Minor Amendment Notice 2019**

I, Lisa Neville, Minister for Water, as Minister administering the **Water Act 1989**, by notice amend the Bulk Entitlement (River Murray – Goulburn–Murray Water) Conversion Order 1999.

Title

1. This Notice is called the Bulk Entitlement (River Murray – Goulburn–Murray Water) Minor Amendment Notice 2019.

Purpose

2. The purpose of this Notice is to amend the Bulk Entitlement (River Murray – Goulburn–Murray Water) Conversion Order 1999 to adjust Goulburn–Murray Rural Water Corporation’s loss allowances to enable the transfer of water savings from the Goulburn–Murray Water Connections Project to the Commonwealth Environmental Water Holder. The Amendment also reduces the maximum diversion rate for the Swan Hill No 9 Channel offtake and revises Torrumbarry return points following the completion of the Swan Hill Modernisation Project.

Authorising provision

3. This Notice is made in accordance with section 45 of the **Water Act 1989**.

Commencement

4. This Notice comes into effect on the day it is published in the Victoria Government Gazette.

Definitions

5. In this Notice a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (River Murray – Goulburn–Murray Water) Conversion Order 1999 (as amended).

Amendments to Schedule 1

6. For Schedule 1 of the Bulk Entitlement Order, **substitute** –

SCHEDULE 1: TABLES ALLOCATING SHARES OF RIVER MURRAY WATER AVAILABLE (clauses 6 and 12 of this Order)

Table 1 High-reliability entitlements (GL)

User group	High Reliability Entitlements (GL)	Off-take commitments for high-reliability seasonal determinations of										Historic at farm for allowed loss
		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	
Murray Valley	At farm	15,108	30,215	45,323	60,431	75,539	90,646	105,754	120,862	135,969	151,077	246,072
	Losses	52,197	52,720	53,244	53,767	54,291	54,814	55,338	55,861	56,385	56,908	60,200
Torrumbarry	At farm	67,304	82,936	98,567	114,198	129,829	145,460	161,092	176,723	192,354	207,985	306,272
	Losses	22,950	45,900	68,849	91,799	114,749	137,699	160,649	183,598	206,548	229,498	357,427
Goulburn-Murray Water	At farm	31,019	31,681	32,342	33,004	33,666	34,328	34,990	35,652	36,313	36,975	40,664
	Losses	53,969	77,580	101,192	124,803	148,415	172,027	195,638	219,250	242,862	266,473	398,091
Nyah	At farm	0,825	1,649	2,474	3,299	4,124	4,948	5,773	6,598	7,422	8,247	
	Losses	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500
Diversers, Dartmouth-Nyah	At farm	1,325	2,149	2,974	3,799	4,624	5,448	6,273	7,098	7,922	8,747	
	Losses	5,499	10,998	16,498	21,997	27,496	32,995	38,494	43,993	49,493	54,992	
Not associated with land	At farm	45,241	90,482	135,723	180,964	226,206	271,447	316,688	361,929	407,170	452,411	
	Losses	12,564	25,127	37,691	50,254	62,818	75,381	87,945	100,508	113,072	125,635	
Irrigation districts	At farm	12,234	12,234	12,234	12,234	12,234	12,234	12,234	12,234	12,234	12,234	
	Losses	24,798	37,361	49,925	62,488	75,052	87,615	100,179	112,742	125,306	137,869	
Millewa & Yelta	At farm	0,071	0,143	0,214	0,286	0,357	0,428	0,500	0,571	0,643	0,714	
	Losses	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	40,664
Diversers, Nyah-S.A.	At farm	4,871	4,943	5,014	5,086	5,157	5,228	5,300	5,371	5,443	5,514	
	Losses	20,238	40,476	60,714	80,952	101,190	121,428	141,666	161,904	182,142	202,380	
Not associated with land	At farm	0,085	0,170	0,256	0,341	0,426	0,511	0,596	0,682	0,767	0,852	
	Losses	0,054	0,107	0,161	0,214	0,268	0,321	0,375	0,428	0,482	0,535	
Other	At farm	0,349	0,698	1,048	1,397	1,746	2,095	2,444	2,794	3,143	3,492	
	Losses	3,492	6,984	10,476	13,968	17,460	20,952	24,444	27,936	31,428	34,920	
Gramplains Wimmera Mallee Water	At farm	3,097	6,194	9,291	12,388	15,485	18,583	21,680	24,777	27,874	30,971	
	Losses	5,055	10,110	15,165	20,220	25,275	30,330	35,385	40,440	45,495	50,550	
LMURW - Urban	At farm	1,230	2,460	3,690	4,920	6,150	7,380	8,610	9,840	11,070	12,300	
	Losses	3,607	7,214	10,821	14,428	18,035	21,642	25,249	28,856	32,463	36,070	
Coliban Water	At farm	0,128	0,256	0,384	0,512	0,640	0,768	0,896	1,024	1,152	1,280	
	Losses	13,236	26,472	39,708	52,944	66,180	79,416	92,652	105,888	119,124	132,360	
Goulburn Valley Water	At farm	2,961	5,922	8,883	11,844	14,805	17,766	20,727	23,688	26,649	29,610	
	Losses	29,609	59,218	88,827	118,436	148,045	177,654	207,263	236,872	266,481	296,090	
North East Water	At farm	2,979	5,958	8,937	11,916	14,895	17,874	20,853	23,832	26,811	29,790	
	Losses	9,589	19,178	28,767	38,356	47,945	57,534	67,123	76,712	86,301	95,890	
Flora & Fauna	At farm	1,752	3,504	5,256	7,008	8,760	10,512	12,264	14,016	15,768	17,520	
	Losses	5,075	10,150	15,225	20,300	25,375	30,450	35,525	40,600	45,675	50,750	
Water Holder	At farm	377,064	754,128	1,131,192	1,508,256	1,885,320	2,262,384	2,639,448	3,016,512	3,393,576	3,770,640	
	Losses	1,375,645	2,751,290	4,127,435	5,503,580	6,879,725	8,255,870	9,632,015	11,008,160	12,384,305	13,760,450	
Snowy EWR	At farm	1,752	3,504	5,256	7,008	8,760	10,512	12,264	14,016	15,768	17,520	
	Losses	5,075	10,150	15,225	20,300	25,375	30,450	35,525	40,600	45,675	50,750	
Living Murray	At farm	377,064	754,128	1,131,192	1,508,256	1,885,320	2,262,384	2,639,448	3,016,512	3,393,576	3,770,640	
	Losses	1,375,645	2,751,290	4,127,435	5,503,580	6,879,725	8,255,870	9,632,015	11,008,160	12,384,305	13,760,450	
South Australia	At farm	377,064	754,128	1,131,192	1,508,256	1,885,320	2,262,384	2,639,448	3,016,512	3,393,576	3,770,640	
	Losses	1,375,645	2,751,290	4,127,435	5,503,580	6,879,725	8,255,870	9,632,015	11,008,160	12,384,305	13,760,450	
Exchange rate trade	At farm	377,064	754,128	1,131,192	1,508,256	1,885,320	2,262,384	2,639,448	3,016,512	3,393,576	3,770,640	
	Losses	1,375,645	2,751,290	4,127,435	5,503,580	6,879,725	8,255,870	9,632,015	11,008,160	12,384,305	13,760,450	
NSW	At farm	377,064	754,128	1,131,192	1,508,256	1,885,320	2,262,384	2,639,448	3,016,512	3,393,576	3,770,640	
	Losses	1,375,645	2,751,290	4,127,435	5,503,580	6,879,725	8,255,870	9,632,015	11,008,160	12,384,305	13,760,450	
Total	At farm	377,064	754,128	1,131,192	1,508,256	1,885,320	2,262,384	2,639,448	3,016,512	3,393,576	3,770,640	
	Losses	1,375,645	2,751,290	4,127,435	5,503,580	6,879,725	8,255,870	9,632,015	11,008,160	12,384,305	13,760,450	

Notes on Tables 1 and 2:

1. Seasonal determinations may be made in intervals of 1% by interpolation between the values shown or extrapolation below 10% (or above 100% for the losses), not just in the 10% intervals shown.
2. Murray Valley and Torrumbarry have fixed losses of 51,673 GL and 30,357 GL (including 0.352 GL for Tresco) respectively, plus two variable loss components (corresponding to historic at farm volumes from 2007 when unbundling occurred):
 - a) for high-reliability rights, variable loss varies from zero at zero allocation, increasing linearly to 8,527 GL for Murray Valley at historic (2007) at farm deliveries of 246,072 GL and to 10,307 GL for Torrumbarry at historic (2007) at farm deliveries of 357,427 GL;
 - b) for low-reliability rights, variable loss varies from zero at zero low allocation, increasing linearly to 34,328 GL for Murray Valley at historic (2007) at farm deliveries of 11,599 GL and to 45,920 GL for Torrumbarry at historic (2007) at farm deliveries of 157,206 GL; and these losses may be allocated as required to deliver water carried over in these irrigation areas based on the equivalent maximum allocation in each area (calculated as the seasonal determination + carryover).
3. Allocations against the 22.1 GL of high-reliability entitlement added to Table 1 in November 2009 for Snowy EWR commenced when the Lake Boga-Lake Kangaroo-Lake Charm component of the Victorian Mid-Murray Storages was first deemed by the Resource Manager to have been operated in accordance with clause 6A (which occurred on 1 April 2010).
4. Broken Creek entitlements are generally supplied from the Goulburn System, including town supplies for Numurkah and Nathalia and relevant environmental entitlements, hence are not included in Tables 1 and 2, but receive Murray allocation regardless of whether they are supplied from the Murray or Goulburn System.
5. The allocation to the Murray Valley and Torrumbarry losses shown may be increased up to the maximum accumulated unused loss volume available for each in order to allow for delivery of allocation carried over in these districts from the previous year.
6. These tables do not show changes in water share volumes as a result of trade since 6 March 2015, or entitlements to unregulated flows in the River Murray or River Murray Increased Flows.
7. LMMURW Irrigation Districts volume includes high-reliability and supply by agreement entitlements in Table 1.

AMENDMENT TO SCHEDULE 47. For Schedule 4 of the Bulk Entitlement Order, **substitute** –**‘SCHEDULE 4: OFF-TAKE POINTS AND RETURN POINTS
WITH MAXIMUM RATES OF TAKING WATER (clause 16)****Off-take points**

Off-take point	Maximum rate (ML/d)	Areas supplied
Yarrawonga Main Channel off-take	3,100	The whole of the Murray Valley irrigation area except Broken Creek diverters
<i>Torrumbarry diversions:</i>		
<ul style="list-style-type: none"> National Channel headworks 	approx 4,200 (depends on weir pool level)	The whole of the Torrumbarry irrigation system, including Tresco irrigation district
<ul style="list-style-type: none"> Ashwin’s pump 	45	Part of Koondrook area – only used during very high demand periods
<ul style="list-style-type: none"> Pental Island pumps 	636	Little Murray Weir pool and hence Swan Hill area, Pental Island and diverters from pool – pumps are used only when Little Murray Weir is closed and demand is high, or to reduce salinity levels at Little Murray Weir.
<ul style="list-style-type: none"> Swan Hill No 9 channel off-take, from Little Murray 	200	Swan Hill area
Nyah pumps	121	Nyah irrigation district
Private diversion points	n/a	Distributed along the River Murray, downstream to Nyah pumps

Return points

Return point	Comment
Broken Creek irrigation return (Rice’s Weir)	Flow deemed in excess of water ordered for Murray Valley which is passed to Broken Creek via the M.V. channel network to assist MDBA in overcoming Barmah choke channel capacity constraints.
Yarrawonga Main Channel outfall	
<i>Torrumbarry returns:</i>	
<ul style="list-style-type: none"> Koondrook spillway Loddon River at Kerang Weir Sheepwash Creek Weir 6/7 channel outfall Lake Boga outfall channel Barr Creek at Capel’s Crossing, net of Barr Ck pumps Lake Charm outfall channel 	<p>Calculation of Torrumbarry returns involves complex water accounting rules agreed with MDBA. As at Nov. 1998, net returns in a month = gross returns – tributary inflows, where tributary inflows = bigger of:</p> <p>{Loddon R at Appin South + Mt Hope Ck at Mitiamo + Avoca R to Little Murray Weir + L Boga to Little Murray Weir + net Barr Ck}, and</p> <p>{gross returns – gross diversions}.</p>

AMENDMENT TO SCHEDULE 5

8. For Table 1 in Schedule 5 of the Bulk Entitlement Order, **substitute** –
‘Table 1 GMW primary entitlements (except Lower Broken Creek)’

DESCRIPTION OF ENTITLEMENT	NOMINAL VOLUME (ML)¹
MURRAY VALLEY IRRIGATION DISTRICT (excluding Lower Broken Creek)	
High Reliability Water Shares	151,077.0
Low Reliability Water Shares	91,445.7
Supply by Agreement	43.6
Fixed loss allowance	51,673.3
Variable loss allowance - high reliability component	8,526.7
Variable loss allowance - low reliability component	34,327.6
TOTAL	337,093.9
TORRUMBARRY IRRIGATION AREA (including Tresco & Woorinen)	
High Reliability Water Shares	227,563.0
Low Reliability Water Shares	124,091.4
Supply by Agreement	1,934.8
Fixed loss allowance (Tresco)	352.0
Fixed loss allowance	30,005.1
Variable loss allowance - high reliability component	10,307.1
Variable loss allowance - low reliability component	45,919.7
TOTAL	440,173.1
NYAH IRRIGATION DISTRICT	
High Reliability Water Shares	8,196.6
Low Reliability Water Shares	0.0
Supply by Agreement	50.5
Fixed loss allowance	500.0
TOTAL	8,747.1
PRIVATE DIVERTERS	
Mitta Mitta Diverters	
High Reliability Water Shares	8,291.5
Low Reliability Water Shares	4,505.2
Murray Diverters	
High Reliability Water Shares	46,700.3
Low Reliability Water Shares	12,028.8
TOTAL	71,525.8
WATER SHARES NOT ASSOCIATED WITH LAND	
High Reliability Water Shares	452,411.0
Low Reliability Water Shares	60,947.5
TOTAL	513,358.5
TOTAL G-MW Primary Entitlements (excluding Lower Broken Creek)	1,370,898.4

Dated 24 April 2019

HON. LISA NEVILLE MP
Minister for Water

Water Act 1989
BULK ENTITLEMENT (EILDON – GOULBURN WEIR)
AMENDMENT NOTICE 2019

I, Lisa Neville, Minister for Water, as Minister administering the **Water Act 1989**, by notice amend the Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995.

Title

1. This Notice is called the Bulk Entitlement (Eildon – Goulburn Weir) Amendment Notice 2019.

Purpose

2. The purpose of this Notice is to cancel water shares and amend the Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 (the Bulk Entitlement) to reflect the determination of the Minister to convert water shares held by Goulburn-Murray Rural Water Corporation to a bulk entitlement by adding 194 ML of high reliability entitlement to the Tungamah Waterworks District in the Bulk Entitlement based on the volume of water shares converted.

Authorising provisions

3. This Notice is made in accordance with sections 47CA and 47CB of the **Water Act 1989**.

Commencement

4. This Notice comes into effect on the day it is published in the Victoria Government Gazette.

Definitions

5. In this Notice a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 (as amended).

Cancellation of water shares

6. The following water shares held by Goulburn–Murray Rural Water Corporation are cancelled:
 - WEE061104; and
 - WEE059923.

Amendment to Schedule 2A

7. For clause 4 of Schedule 2A of the Bulk Entitlement Order, **substitute** –
‘4. Tungamah Waterworks District

Subject to the same level restrictions that apply to high-reliability water shares in Schedule 4, Tungamah Waterworks District (including the Cosgrove district supplied from Tungamah Waterworks District entitlement) is entitled to a maximum volume of 1195.0 ML per year, measured at the point of supply from the Authority’s East Goulburn Main Channel. The volume comprises 1040.1 ML for water allowances and 154.9 ML for delivery losses’.

Dated 24 April 2019

HON. LISA NEVILLE MP
Minister for Water

This page was left blank intentionally

bluestar **PRINT**

The *Victoria Government Gazette* is published by Blue Star Print with the authority of the Government Printer for the State of Victoria

© State of Victoria 2019

This publication is copyright. No part may be reproduced by any process except in accordance with the provisions of the Copyright Act.

Address all enquiries to the Government Printer for the State of Victoria

Level 2, 1 Macarthur Street
Melbourne 3002
Victoria Australia

How To Order



**Retail &
Mail Sales**

Victoria Government Gazette

Ground Floor, Building 8,
658 Church Street,
Richmond 3121
DX 106 Melbourne



Telephone

(03) 8523 4601



Fax

(03) 9600 0478

email

gazette@bluestargroup.com.au

Price Code A