



# Victoria Government Gazette

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## Water Act 1989

### BULK ENTITLEMENT (EILDON–GOULBURN WEIR) AMENDMENT ORDER 2019

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

#### Title

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

#### Preliminary

2. The Bulk Entitlement (Eildon–Goulburn Weir) Conversion Order 1995 (the Bulk Entitlement Order) was made on 29 August 1995 and published in the Government Gazette on 7 September 1995.

#### Purpose

3. The purpose of this Order is to remove the Greens Lake storage from the Bulk Entitlement Order so Goulburn–Murray Water is no longer entitled to the storage capacity of Greens Lake, can no longer store inflows in Greens Lake and can no longer take water from Greens Lake under the Bulk Entitlement Order. This will enable a 9 GL unregulated entitlement to be issued to the Victorian Environmental Water Holder forming part of the environment's share of the GMW Connections Project Stage 1.

#### Authorising Provisions

4. This Order is made under section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Goulburn–Murray Rural Water Corporation.

#### Commencement

5. This Order comes into effect on the day it is published in the Victoria Government Gazette.

#### Definitions

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

#### Amendments to Clause 9

7. Paragraph 9.1(d) of the Bulk Entitlement Order is **revoked**.

#### Amendments to Clause 9a

8. Paragraph 9A.1(d) of the Bulk Entitlement Order is **revoked**.

#### Amendments to Clause 10

9. In clause 10(c) of the Bulk Entitlement Order, for the words 'Waranga Basin and Greens Lake from their catchments' **substitute** 'Waranga Basin from its catchment'.

#### Amendments to Schedule 8

10. In Schedule 8 of the Bulk Entitlement Order, in paragraphs A, D and E, for the words 'Lake Eildon, Greens Lake and Waranga Basin' **substitute** 'Lake Eildon and Waranga Basin'.

Dated 26 June 2019

LISA NEVILLE MP  
Minister for Water

**SPECIAL**

**Water Act 1989**  
**BULK ENTITLEMENT (RIVER MURRAY – FLORA AND FAUNA)**  
**AMENDMENT ORDER 2019**

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

**Title**

1. This Order is called the Bulk Entitlement (River Murray – Flora and Fauna) Amendment Order 2019.

**Preliminary**

2. The Bulk Entitlement (River Murray – Flora and Fauna) Conversion Order 1999 (the Bulk Entitlement Order) was made on 7 June 1999 and published in the Government Gazette on 17 June 1999.

**Purpose**

3. The purpose of this Order is to amend the Bulk Entitlement Order to allocate a 9 gigalitre unregulated flow component arising from the water recovery achieved by the removal of the Greens Lake storage from the regulated Goulburn System. This forms part of the environment’s share of the Goulburn–Murray Water Connections Project Stage 1.

**Authorising Provisions**

4. This Order is made under section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Victorian Environmental Water Holder.

**Commencement**

5. This Order comes into effect on the day it is published in the Victoria Government Gazette.

**Definitions**

6. In this Order a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (River Murray – Flora and Fauna) Conversion Order 1999 (as amended).

**Amendments to Definitions in Clause 4**

7. In clause 4 of the Bulk Entitlement Order, insert the following definitions –  
‘**“9 GL unregulated flow entitlement”** means the 9 GL unregulated flow component of the entitlement as specified in Table 1 of Schedule 5.’

**Amendment to Clause 6**

8. In clause 6.1 of the Bulk Entitlement Order, after paragraph 6.1(a)(ii) **insert** –  
‘6.1(a)(iii) water available under the 9 GL unregulated flow entitlement as specified in Table 1 of Schedule 5.’

**Amendments to Clause 15**

9. In sub-clause 15.3 of the Bulk Entitlement Order, for the words ‘specified in sub-clauses 6.1(a)(ii) and 6.1(b)(iv) subject to the following’ **substitute** –  
‘specified in sub-clauses 6.1(a)(ii), 6.1 (a)(iii) and 6.1(b)(iv) subject to the following –’
10. In paragraph 15.3(c) of the Bulk Entitlement Order, for the words ‘both unregulated flow entitlements’ **substitute** ‘all unregulated flow entitlements’.
11. For clause 15.4 of the Bulk Entitlement Order, **substitute** –  
‘15.4 In addition to the conditions under sub-clause 15.3, water taken under –
  - (a) sub-clause 6.1(b)(iv) of this Order being the Living Murray unregulated flow entitlement; and
  - (b) sub-clause 6.1(b)(iii) of this Order being the 9 GL unregulated flow entitlement may only be taken downstream of the Goulburn River confluence.’.

**Amendment to Schedule 5: Quantification of Entitlement**

12. For Table 1 – Volume of Flora and Fauna environmental entitlement of the Bulk Entitlement Order, **substitute** –

**Table 1 – Volume of Flora and Fauna environmental entitlement**

Program / Source	Volume (ML)			Comment
	High-reliability	Low-reliability	Unregulated flow	
Flora and Fauna entitlement	28,846	1,292	0	River Murray system – below Choke
	763	2,524	0	River Murray system – above Choke
	174	77	0	Broken Creek system
Victorian unregulated flow entitlement	0	0	40,000	Unregulated Flow entitlement Recognises historic use River Murray system Carryover does not apply
9 GL unregulated flow entitlement	0	0	9,000	Unregulated Flow entitlement River Murray downstream of Goulburn River confluence Carryover does not apply
<b>TOTALS</b>	<b>29,783</b>	<b>3,893</b>	<b>49,000</b>	

Dated 26 June 2019

LISA NEVILLE MP  
Minister for Water

**Water Act 1989**  
BULK ENTITLEMENT (EILDON–GOULBURN WEIR)  
FURTHER AMENDMENT ORDER 2019

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

**Title**

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

**Preliminary**

2. The Bulk Entitlement (Eildon–Goulburn Weir) Conversion Order 1995 (the Bulk Entitlement Order) was made on 29 August 1995 and published in the Government Gazette on 7 September 1995.

**Purpose**

3. The purpose of this Order is to amend the Bulk Entitlement Order to adjust Goulburn–Murray Rural Water Corporation’s loss allowances to enable the transfer of water savings from the Goulburn–Murray Water Connections Project Stage 1 to the Victorian Environmental Water Holder.

**Authorising Provisions**

4. This Order is made under section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Goulburn–Murray Rural Water Corporation.

**Commencement**

5. This Order comes into effect on the day it is published in the Victoria Government Gazette.

**Definitions**

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

**Amendments to Schedule 1**

7. For Schedule 1 item number 3 of the Bulk Entitlement Order, **substitute** –

**‘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:	30.537	35.954	41.372	49.498	57.624	68.459	84.711	93.545	104.587	120.046	128.880
Rochester & Loddon Valley (zone 1A & 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:	30.196	34.442	38.688	45.057	51.427	59.919	72.658	74.797	77.472	81.217	83.357
Loss Provision (GL)		78.657	91.872	105.087	124.909	144.732	171.162	210.807	223.162	238.606	260.228	272.583
Total Diversion (delivery plus loss in GL)		78.657	186.480	294.303	456.037	617.772	833.418	1,156.888	1,358.459	1,610.423	1,963.174	2,164.745

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)	30.537	6.107	32.809
Rochester & Loddon Valley (zone 1A & 1B)	30.196	6.039	31.825
<b>Total Goulburn Component of GMID</b>	<b>78.657</b>	<b>15.731</b>	<b>82.147</b>

Dated 25 June 2019

LISA NEVILLE MP  
Minister for Water

**Water Act 1989****BULK ENTITLEMENT (RIVER MURRAY – GOULBURN–MURRAY WATER)  
AMENDMENT ORDER 2019**

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

**1. Title**

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

**2. Preliminary**

The Bulk Entitlement (River Murray – Goulburn–Murray Water) Conversion Order 1999 (the Bulk Entitlement Order) was made on 8 June 1999 and published in the Victoria Government Gazette G24 on 17 June 1999.

**3. Purpose**

The purpose of this Order is to amend the Bulk Entitlement Order to adjust Goulburn–Murray Rural Water Corporation’s loss allowances to enable the transfer of water savings from the Goulburn–Murray Water Connections Project Stage 1 to the Victorian Environmental Water Holder.

**4. Authorising provisions**

This Order is made in accordance with section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Goulburn–Murray Rural Water Corporation.

**5. Commencement**

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

**6. Amendment to Schedule 1**

For Schedule 1 of the Bulk Entitlement Order **substitute** –



Table 2: Low-reliability Entitlements (GL)

User group	Low Reliability Entitlements (GL)	Off-take commitments for low reliability seasonal determinations of										Historic at farm for allowed loss
		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	
Murray Valley	At farm	9,145	18,289	27,434	36,578	45,723	54,867	64,012	73,157	82,301	91,446	111,599
	Losses	2,758	5,516	8,275	11,033	13,791	16,549	19,308	22,066	24,824	27,582	33,661
		<b>11,903</b>	<b>23,806</b>	<b>35,708</b>	<b>47,611</b>	<b>59,514</b>	<b>83,320</b>	<b>95,222</b>	<b>107,125</b>	<b>119,028</b>	<b>145,260</b>	
Torrumbarry	At farm	12,409	24,818	37,227	49,637	62,046	74,455	86,864	99,273	111,682	124,091	157,206
	Losses	3,312	6,624	9,936	13,248	16,560	19,871	23,183	26,495	29,807	33,119	41,957
		<b>15,721</b>	<b>31,442</b>	<b>47,163</b>	<b>62,884</b>	<b>78,605</b>	<b>110,047</b>	<b>125,768</b>	<b>141,489</b>	<b>157,210</b>	<b>199,163</b>	
Murray diverters		1,203	2,406	3,609	4,812	6,014	7,217	8,420	9,623	10,826	12,029	
	Mitta diverters	0,451	0,901	1,352	1,802	2,253	2,703	3,154	3,604	4,055	4,505	
		<b>1,653</b>	<b>3,307</b>	<b>4,960</b>	<b>6,614</b>	<b>8,267</b>	<b>9,920</b>	<b>11,574</b>	<b>13,227</b>	<b>14,881</b>	<b>16,534</b>	
Not associated with land		6,095	12,190	18,284	24,379	30,474	36,569	42,663	48,758	54,853	60,948	
	Irrigation districts	0,040	0,080	0,121	0,161	0,201	0,241	0,281	0,322	0,362	0,402	
		<b>6,675</b>	<b>13,35</b>	<b>2,003</b>	<b>2,670</b>	<b>3,338</b>	<b>4,005</b>	<b>4,673</b>	<b>5,340</b>	<b>6,008</b>	<b>6,675</b>	
Not associated with land		0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
	Living Murray	9,884	19,767	29,651	39,534	49,418	59,301	69,185	79,068	88,952	98,835	
		<b>3,816</b>	<b>7,63</b>	<b>1,145</b>	<b>1,527</b>	<b>1,908</b>	<b>2,290</b>	<b>2,671</b>	<b>3,053</b>	<b>3,435</b>	<b>3,816</b>	
Total		46,345	92,690	139,035	185,379	231,724	278,069	324,414	370,759	417,104	463,448	
	Off-take commitments for 100% high reliability entitlements	231,830	369,974	508,117	646,261	784,405	922,549	1,060,692	1,198,836	1,336,980	1,475,124	
	<b>Total off-take commitments</b>	<b>278,175</b>	<b>462,663</b>	<b>647,152</b>	<b>831,640</b>	<b>1,016,129</b>	<b>1,200,618</b>	<b>1,385,106</b>	<b>1,569,595</b>	<b>1,754,083</b>	<b>1,938,572</b>	

Notes on Tables 1 and 2:

- 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.
- Murray Valley and Torrumbarry have fixed losses of 51,673 GL and 24,479 GL (including 0,352 GL for Tresco) respectively, plus two variable loss components (corresponding to historic at farm volumes from 2007 when unbundling occurred):
  - for high-reliability rights, variable loss varies from zero at zero allocation, increasing linearly to 4,721 GL for Murray Valley at historic (2007) at farm deliveries of 246,072 GL and to 4,507 GL for Torrumbarry at historic (2007) at farm deliveries of 357,427 GL.
  - for low-reliability rights, variable loss varies from zero at zero low allocation, increasing linearly to 33,661 GL for Murray Valley at historic (2007) at farm deliveries of 111,599 GL and to 41,957 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).
- 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 8A (which occurred on 1 April 2010).
- 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.
- 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.
- 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.
- LMWURW Irrigation Districts volume includes high-reliability and supply by agreement entitlements in Table 1.



**Amendment to Schedule 5**

7. For Schedule 5, Table 1 of the Bulk Entitlement Order, **substitute – ‘SCHEDULE 5: G-MW River Murray Primary Entitlements**

**Table 1 – GMW Primary Entitlements (except Lower Broken Creek)**

DESCRIPTION OF ENTITLEMENT	NOMINAL VOLUME (ML) <sup>1</sup>
<b>MURRAY VALLEY IRRIGATION DISTRICT (excluding Lower Broken Creek)</b>	
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	4,720.7
Variable loss allowance - low reliability component	33,660.9
<b>TOTAL</b>	<b>332,621.2</b>
<b>TORRUMBARRY IRRIGATION AREA (including Tresco &amp; Woorinen)</b>	
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	24,126.7
Variable loss allowance - high reliability component	4,507.3
Variable loss allowance - low reliability component	41,957.1
<b>TOTAL</b>	<b>424,532.4</b>
<b>NYAH IRRIGATION DISTRICT</b>	
High Reliability Water Shares	8,196.6
Low Reliability Water Shares	0.0
Supply by Agreement	50.5
Fixed loss allowance	500.0
<b>TOTAL</b>	<b>8,747.1</b>
<b>PRIVATE DIVERTERS</b>	
<b>Mitta Mitta Diverters</b>	
High Reliability Water Shares	8,291.5
Low Reliability Water Shares	4,505.2
<b>Murray Diverters</b>	
High Reliability Water Shares	46,700.3
Low Reliability Water Shares	12,028.8
<b>TOTAL</b>	<b>71,525.8</b>
<b>WATER SHARES NOT ASSOCIATED WITH LAND</b>	
High Reliability Water Shares	452,411.0
Low Reliability Water Shares	60,947.5
<b>TOTAL</b>	<b>513,358.5</b>
<b>TOTAL G-MW Primary Entitlements (excluding Lower Broken Creek)</b>	<b>1,350,784.9</b>

Dated 25 June 2019

LISA NEVILLE MP  
Minister for Water

**Water Act 1989**  
BULK ENTITLEMENT (RIVER MURRAY – FLORA AND FAUNA)  
FURTHER AMENDMENT ORDER 2019

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

**Title**

1. This Order is called the Bulk Entitlement (River Murray – Flora and Fauna) Further Amendment Order 2019.

**Preliminary**

2. The Bulk Entitlement (River Murray – Flora and Fauna) Conversion Order 1999 (the Bulk Entitlement Order) was made on 7 June 1999 and published in the Government Gazette on 17 June 1999.

**Purpose**

3. The purpose of this Order is to amend the Bulk Entitlement Order to include water recovery from the Goulburn-Murray Water Connections Project Stage 1 and to add additional definitions.

**Authorising Provisions**

4. This Order is made under section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Victorian Environmental Water Holder.

**Commencement**

5. This Order comes into effect on the day it is published in the Victoria Government Gazette.

**Definitions**

6. In this Order a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (River Murray – Flora and Fauna) Conversion Order 1999 (as amended).

**Amendments to Definitions in Clause 4**

7. In Clause 4, **insert** the following definitions –
  - (a) **“Goulburn–Murray Water Connections Project”** is a major irrigation modernisation project aiming to generate long term annual average water savings of 429 gigalitres by upgrading irrigation infrastructure in the Goulburn–Murray Irrigation District;
  - (b) **“long-term average annual yield”** means the average annual volume of water that would be expected from an entitlement if the system was operated over the long-term. It is estimated using water resource modelling run over a long-term climatic sequence;
8. In Clause 4, for the definition of **‘Executive Director Water Resources’ substitute –**  
**“Executive Director Water Resources”** means the Executive Director Water Resource Strategy within the Department of Environment, Land Water and Planning’.

**Amendment to Clause 6**

9. After sub-clause 6.1(d) **insert –**  
**‘(e) the Water Holder’s share of the water available to meet the high-reliability and low-reliability entitlements as set out in Schedule 7, being the Goulburn–Murray Water Connections Project entitlement.’.**

**Amendment to Clause 15**

10. For sub-clause 15.1, **substitute –**  
**‘15.1 Subject to clause 15B of this Order, the Water Holder may take the water to which it is entitled under sub-clause 6.1(a) and sub-clause 6.1(e) of this Order at any nominated delivery point on the River Murray, the distribution system, or, subject to relevant water trading rules, another declared system.’.**

**Insertion of Clause 16a**

11. After Clause 16 **insert** –

**‘16A – REVIEW OF GOULBURN–MURRAY WATER CONNECTIONS PROJECT ENTITLEMENT**

16A.1 The Water Holder, in consultation with the Department of Environment, Land, Water and Planning, must participate in a review of the 9 GL unregulated flow entitlement and the entitlement established under Schedule 7 of this Bulk Entitlement Order, upon completion of the final water savings audit of the Goulburn–Murray Water Connections Project.

16A.2 The review may take into account the reliability of the 9 GL unregulated flow entitlement and the water entitlement established under Schedule 7, but the review will not alter the long-term average annual yield.’

**Insertion of Schedule 7**

12. After Schedule 6, **insert** new Schedule 7 –

**‘SCHEDULE 7: GOULBURN–MURRAY WATER CONNECTIONS PROJECT ENTITLEMENT**

**Table 1 – Volume of Goulburn–Murray Water Connections Project Entitlement**

Program / Source	Volume (ML)			Comment
	High-reliability	Low-reliability	Unregulated flow	
Goulburn–Murray Water Connections Project	3,806.0	666.7	0	Trading zone 6
Goulburn–Murray Water Connections Project	11,678.2	3,962.5	0	Trading zone 7

Dated 25 June 2019

LISA NEVILLE MP  
Minister for Water

**Water Act 1989**

## GOULBURN RIVER ENVIRONMENTAL ENTITLEMENT AMENDMENT 2019

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Instrument –

**Title**

1. This Instrument is called the Goulburn River Environmental Entitlement Amendment 2019.

**Purpose**

2. The purpose of this Instrument is to amend the Goulburn River Environmental Entitlement 2010 to include water recovery arising from the Goulburn-Murray Water Connections Project Stage 1.

**Authorising Provisions**

3. This Instrument is made under section 48K of the **Water Act 1989**. The Minister makes this Instrument on the application of the Victorian Environmental Water Holder.

**Commencement**

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

**Definitions**

5. In this Instrument a reference to the Environmental Entitlement is a reference to Goulburn River Environmental Entitlement 2010.

**Amendments to Definitions in Clause 4**

6. In Clause 4, **insert** the following definitions –
  - (a) **“Goulburn–Murray Water Connections Project”** is a major irrigation modernisation project aiming to generate long term annual average water savings of 429 gigalitres by upgrading irrigation infrastructure in the Goulburn–Murray Irrigation District;
  - (b) **“long-term average annual yield”** means the average annual volume of water that would be expected from an entitlement if the system was operated over the long-term. It is estimated using water resource modelling run over a long-term climatic sequence;

**Amendment to Clause 6**

7. For sub-clause 6.1, **substitute** –

‘6.1 The Water Holder is entitled to the water entitlements specified in Schedule 1 and Schedule 4 to this Instrument.’

**Insertion of Clause 6a**

8. After Clause 6 **insert** –

**‘6A – REVIEW OF SCHEDULE 4 ENVIRONMENTAL ENTITLEMENT**

  - 6A.1 The Water Holder, in consultation with the Department of Environment, Land Water and Planning, must participate in a review of the entitlement established under Schedule 4 of this Environmental Entitlement, upon completion of the final water savings audit of the Goulburn-Murray Water Connections Project.
  - 6A.2 The review may take into account the reliability of the water entitlement issued under Schedule 4 but the review will not alter the long-term average annual yield.’

**Amendment to Clause 13**

9. For Clause 13 **substitute** –

**‘13 Water Storage and Supply Costs**

- 13.1 The Water Holder is required to pay the Storage Manager applicable headworks costs incurred in relation to all high and low reliability entitlements specified in Schedule 1 and Schedule 4.
- 13.2 The Water Holder is required to pay applicable costs associated with delivery of all high and low reliability entitlements specified in Schedule 1 and Schedule 4.’

**Insertion of Schedule 4**

10. After Schedule 3, **insert** new Schedule 4 –

**‘SCHEDULE 4 – ENVIRONMENT’S ENTITLEMENTS IN THE GOULBURN RIVER FROM THE GOULBURN–MURRAY WATER CONNECTIONS PROJECT**

<b>Volume</b>	<b>Reliability</b>	<b>Trading Zone</b>
17,703.8 ML	Equivalent to high reliability water shares	Trading zone 1A
2,651.8 ML	Equivalent to low reliability water shares	Trading zone 1A

Dated 25 June 2019

LISA NEVILLE MP  
Minister for Water

**Water Act 1989**ENVIRONMENTAL ENTITLEMENT (RIVER MURRAY – NVIRP STAGE 1)  
AMENDMENT 2019

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Instrument –

**Title**

1. This Instrument is called the Environmental Entitlement (River Murray – NVIRP Stage 1) Amendment 2019.

**Purpose**

2. The purpose of this Instrument is to amend the Environmental Entitlement (River Murray – NVIRP Stage 1) 2012 to remove water allocation of one third of the total phase 3 water savings achieved under the Goulburn-Murray Water Connections Project Stage 1 (formerly known as Northern Victoria Irrigation Renewal Project (NVIRP)) as this is being issued as permanent entitlement held under other bulk entitlements and environmental entitlements.

**Authorising Provisions**

3. This Instrument is made under section 48K of the **Water Act 1989**. The Minister makes this Instrument on the application of the Victorian Environmental Water Holder.

**Commencement**

4. This Instrument comes into effect on the 31 March 2020.

**Definitions**

5. In this Instrument a reference to the Environmental Entitlement is a reference to Environmental Entitlement (River Murray – NVIRP Stage 1) 2012.

**Amendments to definitions in clause 5**

6. In Clause 5, the following definitions are **revoked** –

- (a) **“Audit”**
- (b) **“Deed”**
- (c) **“Phase 3 water savings”**
- (d) **“Phase 4 water savings”**
- (e) **“Protocol”**
- (f) **“Trading zone 6”**
- (g) **“Trading zone 7”**.

7. In Clause 5 for the definition of ‘**Department**’ substitute –

‘**“Department”** means the Department of Environment, Land, Water and Planning.’.

**Amendment to Clause 7**

8. Sub-clause 7(a) is **revoked**.

**Amendment to Clause 8**

9. Sub-clause 8.1 is **revoked**.
10. Sub-clause 8.2 is **revoked**.
11. Sub-clause 8.3 (a) is **revoked**.

**Amendments to Clause 9**

12. Sub-clause 9.1 is **revoked**.

**Amendment to Clause 12**

13. In sub clause 12.1 for the words ‘Goulburn–Murray Water, the River Murray Entitlement Holder’ **substitute** –

‘Goulburn–Murray Water, the River Murray Entitlement Holder.’.

Dated 25 June 2019

LISA NEVILLE MP  
Minister for Water

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**Water Act 1989**ENVIRONMENTAL ENTITLEMENT (GOULBURN SYSTEM – NVIRP STAGE 1)  
AMENDMENT 2019

I, Lisa Neville, Minister for Water, under the provisions of the **Water Act 1989**, make the following Instrument –

**Title**

1. This Instrument is called the Environmental Entitlement (Goulburn System– NVIRP Stage 1) Amendment 2019.

**Purpose**

2. The purpose of this Instrument is to amend the Environmental Entitlement (Goulburn System – NVIRP Stage 1) 2012 to remove water allocation of one third of the total phase 3 water savings achieved under the Goulburn-Murray Water Connections Project Stage 1 (formerly known as Northern Victoria Irrigation Renewal Project (NVIRP)) as this is being issued as permanent entitlement held under other bulk entitlements and environmental entitlements.

**Authorising Provisions**

3. This Instrument is made under section 48K of the **Water Act 1989**. The Minister makes this Instrument on the application of the Victorian Environmental Water Holder.

**Commencement**

4. This Instrument comes into effect on the 31 March 2020.

**Definitions**

5. In this Instrument a reference to the Environmental Entitlement is a reference to Environmental Entitlement (Goulburn System – NVIRP Stage 1) 2012.

**Amendments to Definitions in Clause 5**

6. In Clause 5, the following definitions are **revoked** –

- (a) **“Audit”**
- (b) **“Deed”**
- (c) **“Phase 3 water savings”**
- (d) **“Phase 4 water savings”**
- (e) **“Protocol”**.

7. In Clause 5 for the definition of ‘Department’ **substitute** –

‘**“Department”** means the Department of Environment, Land, Water and Planning.’.

**Amendment to Clause 7**

8. Sub-clause 7(a) is **revoked**.

**Amendment to Clause 8**

9. Sub-clause 8.1 is **revoked**.
10. Sub-clause 8.2 is **revoked**.
11. Sub-clause 8.3 (a) is **revoked**.

**Amendments to Clause 9**

12. Sub-clause 9.1 is **revoked**.

Dated 25 June 2019

LISA NEVILLE MP  
Minister for Water



**Water Act 1989**  
**PERMISSIBLE CONSUMPTIVE VOLUME GROUNDWATER**  
**(GELLIBRAND AND GERANGAMETE GROUNDWATER MANAGEMENT AREAS)**  
**AMENDMENT ORDER 2019**

I, Lisa Neville MP, Minister for Water, as Minister administering the **Water Act 1989**, make the following Order:

**1. Citation**

This Order is called the Permissible Consumptive Volume Groundwater (Gellibrand and Gerangamete Groundwater Management Areas) Amendment Order 2019 (this Order).

**2. Authorising provision**

This Order is made under section 22A of the **Water Act 1989** and section 27 of the **Interpretation of Legislation Act 1984**.

**3. Commencement**

This Order comes into operation on the date it is published in the Victoria Government Gazette.

**4. Purpose**

The purpose of this Order is to amend the Permissible Consumptive Volume Groundwater Order 2011 published in the Victoria Government Gazette G28 on 14 July 2011 to declare new permissible consumptive volumes for the Gellibrand Groundwater Management Area and the Gerangamete Groundwater Management Area and to make provision for test pumping to be carried out in the Gerangamete Groundwater Management Area.

**5. Declaration of permissible consumptive volumes and amendment of the Permissible Consumptive Volume Groundwater Order 2011**

(a) I declare that the total volume of groundwater that may be taken in a water season in the Gerangamete Groundwater Management Area is 239 megalitres plus a volume of no more than 30 megalitres in any water season that may be taken in that area under any licence issued or amended or to be issued or amended under section 51 of the Act for the purpose of pumping tests.

(b) The Table to the Permissible Consumptive Volume Groundwater Order 2011 is amended as follows:

(i) after clause 9(b)(iii) **insert**:

‘(c) the volume listed in Column D for the Gerangamete Groundwater Management Area plus a volume of no more than 30 megalitres in any water season that may be taken in that area under any licence issued or amended or to be issued or amended under section 51 of the Act for the purpose of pumping tests.’;

(ii) **after**:

‘Frankston Groundwater Management Area	LEGL./04-133	All formations below the surface	3,200
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**insert**:

‘Gellibrand Groundwater Management Area	LEGL./04-134	All formations below the surface	0
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’; and

(iii) **for:**

'Gerangamete Groundwater Management Area	LEGL./04-135	All formations below 60 metres	In any one year 20,000 In any consecutive period of ten years 80,000
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**substitute:**

'Gerangamete Groundwater Management Area	LEGL./04-135	All formations below the surface	239
------------------------------------------------	--------------	----------------------------------------	-----

Dated 26 June 2019

HON. LISA NEVILLE MP  
Minister for Water

**Water Act 1989****BULK ENTITLEMENT (EILDON – GOULBURN WEIR)  
FURTHER 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 as follows:

**Title**

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

**Purpose**

2. The purpose of this Notice is to amend the Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 (the Bulk Entitlement) to correct the restriction formula and the maximum annual volume for the East Loddon Waterworks District (WWD) to reflect the volume calculated in accordance with the three-yearly annual supply average, as previously stipulated. This Notice also formalises the division between the now separately supplied East Loddon (North) and East Loddon (South) WWDs and corrects errors in the reported primary entitlement volumes for supply to entitlements held by the Victorian Environmental Water Holder.

**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.

**Amendments to Schedule 2**5. For Schedule 2, **substitute** –**‘Primary Entitlements – Bulk Entitlements and Environmental Entitlements held by other authorities**

Authority	Bulk Entitlement Order	Entitlement Volume (ML/yr)	Trading Zone
Goulburn Valley Region Water Corporation	Bulk Entitlement (Goulburn Channel System - Goulburn Valley Water) Order 2012	7,191	1A
	Bulk Entitlement (Goulburn River & Eildon - Goulburn Valley Water) Order 2012	7,679	1A
		18,620	3
	<i>Sub-total</i>	<b>26,299</b>	n/a
	<i>Goulburn Valley Water Sub-total</i>	<b>33,490</b>	n/a
Coliban Region Water Corporation	Bulk Entitlement (Goulburn System - Coliban Water) Order	1,980	1A
		440	1B
	<i>Coliban Water Sub-total</i>	<b>2,420</b>	n/a
Grampians Wimmera Mallee Region Water Corporation	Bulk Entitlement (Quambatook-Grampians Wimmera-Mallee Water) Order 2006	100	1B
<b>Total high-reliability urban entitlements</b>		<b>36,010</b>	n/a
Melbourne Bulk Entitlements	Bulk Entitlement (Goulburn System - City West Water) Order 2012, Bulk Entitlement (Goulburn System - South East Water) Order 2012 & Bulk Entitlement (Goulburn System - Yarra Valley Water) Order 2012	0*	1A

Authority	Bulk Entitlement Order/Environmental Entitlement	Entitlement Volume (ML/yr)	Reliability
Water Holder	Bulk Entitlement (Goulburn System - Snowy Environmental Reserve) Order 2004	30,252	high
		8,156	low
	Environmental Entitlement (Goulburn System – Living Murray Water) 2007	39,625	high
		156,980	low
	Goulburn River Environmental Entitlement 2010	8,851	high
		3,140	low
	Environmental Entitlement (Goulburn System – NVIRP Stage 1) 2012	0*	n/a
<b>Total high-reliability entitlements (equivalent to HRWS)</b>		<b>78,728</b>	n/a
<b>Total low-reliability entitlements (equivalent to LRWS)</b>		<b>168,276</b>	n/a

\*These entitlements will receive an annual allocation in accordance with paragraph 5 of Schedule 3 until the completion of NVIRP and all modernisation savings have been converted to long-term entitlements.’.

**Amendment to Schedule 2a**6. For clause 2 of Schedule 2a **substitute** –**‘2a. East Loddon (South) Waterworks District**

The East Loddon (South) Waterworks District is entitled to a maximum annual volume of:

- i. Subject to the same level of restrictions that apply to high-reliability water shares in Schedule 4, 403.0 ML measured at the point of supply from the Authority’s Waranga Western Channel, comprising 306.0 ML of water allowances and 97.0 ML for delivery losses, plus
- ii. the volume of water supplied to Coliban Water under Bulk Entitlement (Goulburn Channel System – Coliban Water) Order 2012.

**2b. East Loddon (North) Waterworks District**

The East Loddon (North) Waterworks District is entitled to a maximum annual volume of:

- i. Subject to Schedule 4, 517.0 ML measured at the point of supply from the Authority's Waranga Western Channel, comprising 284.4 ML of water allowances and 232.6 ML for delivery losses, plus
- ii. the volume of water supplied to Coliban Water under Bulk Entitlement (Goulburn Channel System – Coliban Water) Order 2012.'.

**Amendment to Schedule 4**

7. For sub-clause 4(ii) of Schedule 4 **substitute** –

‘the East Loddon (North), West Loddon and Normanville Waterworks Districts commitments in accordance with the following restriction formula:

$$\begin{aligned} R &= 0.5*A & \text{if} & \quad S \leq 0.5 \\ &= S*A & \text{if} & \quad 0.5 < S < 1.0 \\ &= A & \text{if} & \quad S \geq 1.0 \end{aligned}$$

Where –

R = restricted entitlement volume (ML) for the East Loddon (North), West Loddon and Normanville Waterworks District,

A = maximum annual volume (ML) for the East Loddon (North), West Loddon and Waterworks District, as specified in Schedule 2A, excluding any volume supplied to Coliban Water under its Bulk Entitlement (Goulburn Channel System – Coliban Water) Order 2012.

S = seasonal determination for high-reliability entitlements specified in Schedule 1 to this Order, expressed as a decimal fraction; and’.

Dated 27 June 2019

LISA NEVILLE MP  
Minister for Water

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**Water Act 1989****CARRYOVER FOR BULK ENTITLEMENTS AND ENVIRONMENTAL ENTITLEMENTS IN THE MURRAY, GOULBURN AND CAMPASPE WATER SYSTEMS (DECLARATION AND DETERMINATION) AMENDMENT 2019**

I, Lisa Neville, Minister for Water, as Minister administering the **Water Act 1989** make the following Declaration and Determination –

**Title**

1. This Instrument is called the Carryover for Bulk Entitlements and Environmental Entitlements in the Murray, Goulburn and Campaspe Water Systems (Declaration and Determination) Amendment 2019.

**Purpose**

2. The purpose of this instrument is to amend the Carryover for Bulk Entitlements and Environmental Entitlements in the Murray, Goulburn and Campaspe Water System (Declaration and Determination) 2010 (the Declaration and Determination) to introduce the ability to carry over water in the East Loddon (South) and Tungamah waterworks districts.

**Authorising provisions**

3. This Instrument is made under section 41A of the **Interpretation of Legislation Act 1984** and sections 47DA(1), 48MA and 64GB(6)(f) of the **Water Act 1989**.

**Commencement**

4. This Instrument comes into effect on the date on which notice of it is published in the Victoria Government Gazette.

**Amendment to Clause 5**

5. For clause 5 of the Declaration and Determination, **substitute** –  
‘The instrument applies to bulk entitlements and environmental entitlements in the Murray, Goulburn, and Campaspe water systems as described in the Order Declaring Water Systems in Northern Victoria 2007, except those bulk entitlements and environment entitlements and what are referred to as components of bulk entitlements and environmental entitlements listed in Schedule 1.’

**Substitution of Schedule 1**

6. For Schedule 1 **substitute** –

**‘Schedule 1: BULK ENTITLEMENTS AND ENVIRONMENTAL ENTITLEMENTS AND COMPONENTS OF BULK ENTITLEMENTS AND ENVIRONMENTAL ENTITLEMENTS TO WHICH THIS DECLARATION DOES NOT APPLY**

The bulk entitlements and environmental entitlements and the components of bulk entitlements and environmental entitlements listed in this schedule are not eligible to carry over unused allocations under the terms and conditions described in this Declaration and Determination.

**Murray system**

Bulk Entitlement (River Murray – Goulburn–Murray Water) Conversion Order 1999.

Bulk Entitlement (River Murray – Grampians Wimmera Mallee Water) Conversion Order 1999.

Bulk Entitlement (River Murray – First Mildura Irrigation Trust) Conversion Order 1999.

Bulk Entitlement (River Murray – Lower Murray Water – Irrigation) Conversion Order 1999.

Bulk Entitlement (River Murray – Snowy Environmental Reserve) Order 2004.

The components of the Bulk Entitlement (River Murray – Flora and Fauna) Conversion Order 1999 for which the Extended Use Account applies as described in Schedule 5: Quantification of Entitlement of the bulk entitlement.

**Goulburn system**

Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995, except for the components described in Schedule 2A, Primary Entitlements – Waterworks Districts, Clause 2a East Loddon (South) Waterworks District and Clause 4 Tungamah Waterworks District and for which the exception will only apply to the period commencing on the date upon which the Carryover for Bulk Entitlements and Environmental Entitlements in the Murray, Goulburn and Campaspe Water Systems (Declaration and Determination) Amendment 2019 commences and expiring on 30 June 2020.

Bulk Entitlement (Goulburn System – Snowy Environmental Reserve) Order 2004.

The components of the Environmental Entitlement (Goulburn System – Living Murray) 2007 for which the Extended Use Account applies as described in Schedule 1 – Quantification of Entitlement of the environmental entitlement.

**Campaspe system**

Bulk Entitlement (Campaspe System – Goulburn–Murray Water) Conversion Order 2000.

Bulk Entitlement (Campaspe System – Coliban Water) Conversion Order 1999.

The components of the Environmental Entitlement (Campaspe River – Living Murray Initiative) 2007 for which the Extended Use Account applies as described Schedule 1 – Quantification of Entitlement in the environmental entitlement.’

Dated 27 June 2019

LISA NEVILLE MP  
Minister for Water

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