

Water Sharing Rules Bega River Estuary and Tributaries Water Source

Water Sharing Plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan Commencement Date	1 April 2011
Term of the Plan	10 years
<p>This water source includes the Bega River Estuary and several smaller tributaries, such as Jellat Jellat Creek, that flow directly into the estuary. The cumulative hydrologic stress for this water source is the sum of all entitlement in the Bega Valley, and is therefore rated as HIGH. However, since the tidal pool in the Bega Estuary is small, and there is little scope for pumping from the estuary itself, the rules in this report card relate to the small tributaries. The proposed trading rules aim to protect Penooka and Betunga Swamps with the establishment of management zones</p>	

Rules Summary

The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.

Access Rules

Cease to Pump	<p>Pumping is not permitted where:</p> <ul style="list-style-type: none"> a flow is not visible in vicinity of the water supply work (pump, diversion pipe, etc.); or there is no visible inflow to, or outflow from, the pumping pool.
Reference Point	Vicinity of water supply work (pump, diversion, etc.)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	

Trading Rules

INTO Water Source	Not permitted
WITHIN Water Source	Permitted subject to assessment within management zones, but not permitted between management zones
Conversion to High Flow Access	Not permitted
Aboriginal Community Development Licences	Not permitted

Note that the construction of dams on streams of third order or higher is prohibited in the Lower Estuary Management Zone of this water source.

For more information about the Water Sharing Plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules

Bega and Brogo Regulated Rivers Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules Summary							
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.							
Water Source Context							
<p>Boundary: The current boundary of the regulated river is defined by the following gazettes under Section 22C of the <i>Water Act 1912</i>:</p> <table border="0"> <tr> <td style="vertical-align: top;">Govt Gazette No 68 24-6-77</td> <td>Brogo River from Brogo Dam downstream to its junction with the Bega River.</td> </tr> <tr> <td></td> <td>Bega River from its junction with the Brogo River downstream to its junction with Jellat Jellat Creek.</td> </tr> <tr> <td style="vertical-align: top;">Govt Gazette No 63 22-4-77</td> <td>Coopers Creek from its junction with the Brogo River to the upper limit of the lagoon section within portion 97, Parish of Bega.</td> </tr> </table> <p>The WSP will amend this boundary to include:</p> <ul style="list-style-type: none"> • the adjacent river alluvial aquifer; • the tributaries flowing into Brogo Dam up to the high water mark; and • Bega River 500m upstream of the Brogo River junction. <p>Five hundred metres is considered a reasonable estimate of the extent of influence from any extraction from the groundwater system.</p>		Govt Gazette No 68 24-6-77	Brogo River from Brogo Dam downstream to its junction with the Bega River.		Bega River from its junction with the Brogo River downstream to its junction with Jellat Jellat Creek.	Govt Gazette No 63 22-4-77	Coopers Creek from its junction with the Brogo River to the upper limit of the lagoon section within portion 97, Parish of Bega.
Govt Gazette No 68 24-6-77	Brogo River from Brogo Dam downstream to its junction with the Bega River.						
	Bega River from its junction with the Brogo River downstream to its junction with Jellat Jellat Creek.						
Govt Gazette No 63 22-4-77	Coopers Creek from its junction with the Brogo River to the upper limit of the lagoon section within portion 97, Parish of Bega.						
Trading Rules							
INTO Water Source	Not permitted						
WITHIN Water Source	Permitted						

Operating rules	
Rule	Upon Plan gazettal
Transparency Rule	Inflows up to 15 ML/d above 50% dam level
First Flush	24 hour delay
End of system	Based on barrage licence conditions
Uncontrolled access	<p>> 50 ML/day over spillway on rising dam and 20 ML/day on a falling dam level</p> <p>> 50 ML/day over spillway plus > 50ML/d at North Brogo gauge on a rising river and 20 ML/day on a falling river</p> <p>> 50 ML/day at Angledale on a rising river and 15 ML/day on a falling river</p> <p>> 50 ML/day at Angledale on a rising river and 15 ML/day on a falling river, and</p> <p>Visible flow downstream of the Bega bridge and > 65 ML/day at Kanoona</p>
Supplementary access	<p>> 100 ML/day for over spillway</p> <p>>100 ML/day over spillway plus > 100ML/d at North Brogo gauge</p> <p>> 100 ML/day at the Angledale Gauge (gauging station number 219025)</p> <p>> 100 ML/day at the Angledale Gauge (gauging station number 219025 or</p> <p>(b) the flows at the Kanoona Gauge (gauging station number 219032) exceed 160 ML/day</p>

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Conversions and Carry Over	
Conversion from Regulated (General Security) to Regulated (High Security) Access	Permitted
Conversion from Regulated (High Security) to Regulated (General Security) Access	Permitted
Conversion from Aquifer to Regulated (General Security)	Permitted
Conversion from Aquifer to Regulated (High Security)	Permitted
Carry Over	There will be no carryover of General Security licences at the start of the Plan. However, a provision in the plan allows the Minister to introduce a 10% carryover of General Security licences at a later stage. At the commencement of the plan, up to 10% of High Security allocations may be carried across to the following year, if the AWD for the current year is likely to be 80% of less.

For more information about the Water Sharing Plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Candelo Creek Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
Cease to pump	Cease to Pump (CTP) once stream flows are at or below 3 ML/day;
Commence to pump	Commence to Pump (ComTP) once stream flows are above 3 ML/day.
High flow access	14 ML/day
Reference point	Candelo Creek at Greenmount Road (gauging station 219034)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted, subject to assessment, at a ratio of 3:1
Aboriginal community development licences	Not permitted

For more information about the water sharing plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules

Lower Bega / Lower Brogo Rivers Tributaries Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules Summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
Cease to pump	Cease to pump (CTP) once stream flows at or below 2 ML/day;
Commence to pump	Commence to pump (ComTP) once stream flows are above 2 ML/day.
High flow access	28 ML/day
Reference point	Double Creek near Brogo (gauging station 219017)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	
Trading Rules	
INTO Water Source	Not permitted
WITHIN Water Source	Permitted, subject to assessment
Conversion to High Flow Access	Permitted, subject to assessment, at a ratio of 3:1
Aboriginal Community Development Licences	Permitted

For more information about the Water Sharing Plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Mid Bega River Sands Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.

Access Rules

Very low flow	Cease to pump (CTP) when groundwater level is below 4.5 m AHD measured at groundwater monitoring bore GW039001
Low flow	CTP when groundwater level is between 4.5 m AHD and 5.5 m AHD, measured at groundwater monitoring bore GW039001.
A1 class flow	CTP when groundwater level is above 5.5 m AHD measured at groundwater monitoring bore GW039001, and The river flow at Kanoona (GS 219032) is at or below 65 ML/day, and There is no visible flow immediately downstream of the Princes Highway Bridge
A2 class flow	CTP when groundwater level is above 5.5 m AHD measured at groundwater monitoring bore GW039001, and The river flow at Kanoona (GS 219032) is at or below 65 ML/day, and There is visible flow immediately downstream of the Princes Highway Bridge
B class flow	CTP when the river flow at Kanoona (GS 219032) is at or below 65 ML/day

Access rules

Total daily extraction limits (ML/day) for:

	Domestic & stock access licences	Local water utility access licences	Unregulated river access licences	Aquifer access licences
Very low flow	0.15 (Yr 1 to 3)	3.5	CTP	CTP
Low flow and A1 class flow	0.15	4.7	5.79	1.36
A2 class flow	0.15	6.7	9.72	2.28
B class flow	0.15	12.8	19.85	4.65

Trading Rules – excluding local water utility licence	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted, subject to assessment, at ratio of 3:1
Aboriginal community development licences	Permitted

For more information about the Water Sharing Plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Mid Bega River Tributaries Water Source

Water Sharing Plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan Commencement Date	1 April 2011
Term of the Plan	10 years

Rules summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
Cease to pump	Cease to pump (CTP) once stream flows are at or below 2 ML/day;
Commence to pump	Commence to pump (ComTP) once stream flows are above 2 ML/day.
Reference point	Double Creek near Brogo (gauging station 219017)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted, subject to assessment, at a ratio of 3:1
Aboriginal community development licences	Not permitted

For more information about the Water Sharing Plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Sandy Creek Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules Summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
Cease to pump	Cease to pump (CTP) once stream flows are at or below 3 ML/day;
Commence to pump	Commence to pump (ComTP) once stream flows are above 3 ML/day.
High flow access	14 ML/day
Reference Point	Candelo Creek at Greenmount Road (gauging station 219034)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted, subject to assessment, at a ratio of 3:1
Aboriginal community development licences	Not permitted

For more information about the Water Sharing Plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Tantawangalo Creek Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules – Lower Tantawangalo management zone (unregulated and stock & domestic licences)	
Cease to pump / Commence to pump	Year 1 to 5: cease to pump (CTP) once stream flow falls below 2 ML/day; commence to pump (ComTP) once stream flow rises above 2 ML/day. Year 6 onwards: CTP once stream flow falls below 5 ML/day; ComTP once stream flow rises above 5 ML/day.
High flow access	60 ML/day
Reference point	Tantawangalo Creek at Candelo Dam Site (gauge 219022)
<i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i>	
Access rules – Upper Tantawangalo management zone (Bega Valley Shire Council)	
Access to very low flows	A daily volume of up to 0.2 ML may be extracted when stream flows are below 2.2 ML/day, to provide water to properties upstream of Candelo.
Reference point	Tantawangalo Creek at Tantawangalo Mountain gauge (gauge 219006)
<i>Note: A stream flow of 5 ML/day at Candelo Dam site (gauge 219022) is equivalent to a stream flow of 2 ML/yr at Tantawangalo Mountain (gauge 219006).</i>	

Trading rules		
	Lower management zone	Upper management zone
INTO water source	Not permitted	Not permitted
WITHIN water source	Permitted, subject to assessment	Not applicable
Conversion to high flow access	Permitted, subject to assessment, at a ratio of 3:1	Not applicable
Aboriginal community development licences	Permitted	Not permitted

For more information about the water sharing plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules

Upper Bega / Bemboka Rivers Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules summary			
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.			
Access rules			
Low flow	Cease to pump (CTP) is when flows are at or below 2 ML/day		
A class flow	CTP is when flow are at or below 5 ML/day		
B class flow	CTP is when flows are at or below 65 ML/day		
C class flow	CTP is when flows are at or below 160 ML/day		
Flow reference point	Kanoona (gauging station 219032)		
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>			
Access rules			
	Total daily extraction limits (ML/day) for:		
	Domestic & stock access licences	Local water utility access licences	Unregulated river access licences
Very low flow	0.2	0.1 / 0.2	no access
Low flow and A class flow	0.2	0.2	29.6
B class flow	0.2	0.2	61.6
<p>* 0.1 ML/day during times when water from the Cochrane Drought Reserve is being accessed, 0.2 ML/day during times when water from the Cochrane Drought Reserve is not being accessed.</p>			

Trading Rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted, subject to assessment, at a ratio of 3:1
Aboriginal community development licences	Permitted

For more information about the water sharing plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules

Upper Bega / Bemboka Rivers Tributaries Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
Cease to pump	Cease to pump (CTP) is when flows are at or below 2 ML/day.
Commence to pump	Commence to pump (ComTP) is when flows are above 2 ML/day.
High flow access	28 ML/day
Reference point	Double Creek near Brogo (gauging station 219017)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted at a ratio of 3:1
Aboriginal community development licences	Not permitted

For more information about the water sharing plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Upper Brogo River Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules Summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
There are currently no licences in this water source. To preserve the high conservation values of this water source, it is recommended that trades not be permitted into this water source. Based on this recommendation, it is not necessary to stipulate access rules.	
Trading rules	
INTO water source	Not permitted
WITHIN water source	Not applicable
Conversion to high flow access	Not applicable
Aboriginal community development licences	Not permitted

For more information about the water sharing plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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Water Sharing Rules Wolumla Creek Water Source

Water sharing plan	Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources
Plan commencement date	1 April 2011
Term of the plan	10 years

Rules summary	
The following rules are a guide only. For more information please contact WaterNSW on 1300 662 077.	
Access rules	
Cease to pump	Cease to pump (CTP) once stream flows are at or below 3 ML/day;
Commence to pump	Commence to pump (ComTP) once stream flows are above 3 ML/day
High flow access	35 ML/day
Reference Point	Candelo Creek at Greenmount Road (gauging station 219034)
<p><i>Note: These rules will apply to aquifer access licences extracting from alluvial sediments from year six of the plan, except licences for unaugmented local water utilities, food safety or essential daily care. Aquifer access licences issued following the commencement of the plan will be subject to these rules immediately. Aquifer extractions for stock and domestic use will not require access licences and will not be subject to the above rules.</i></p>	
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted, subject to assessment, at a ratio of 3:1
Aboriginal community development licences	Not permitted

For more information about the water sharing plan for the Bega and Brogo Rivers Regulated, Unregulated and Alluvial water sources refer to on the department's website: www.industry.nsw.gov.au/water

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