

Rules summary sheet Albury Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pump site
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.</p>

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>

Trading rules	
INTO water source	Not permitted
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

More information about the Water Sharing Plan for the Murray Unregulated and Alluvial Water Sources is available at the Office of Water website www.water.nsw.gov.au

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NOW 11_308_16

Rules summary sheet Dora Dora Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pump site
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.

Trading rules	
INTO water source	Not permitted
WITHIN water source	N/A as no licences within water source
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

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NOW 11_308_2

Rules summary sheet Hume Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200mm pipe)
Reference point	At the pump site
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural in-river pools include pools found within the channels of rivers and creeks e.g. lakes, lagoons and billabongs.

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.

Trading rules	
INTO water source	Not permitted
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

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NOW 11_308_3

Rules summary sheet Indi Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when the flow in the Murray River is 87 ML/day or less (equating to the estimated 97 th percentile critical month flow).
A class access	Pumping of up to 24 ML/day in total between all users (equating to 1% of licensed entitlement) is permitted when flows are more than 87 ML/day and at or below 157 ML/day (equating to the estimated 90 th percentile critical month flow).
Reference point	Murray River at Biggara (gauge 401012)
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural off-river pool
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.

Trading rules	
INTO water source	Trades permitted in to moderate flows of more than 467 ML/day (equating to the 70 th percentile of flows on all days), limited to 3,238 ML/year (being 10% of the moderate flow index, over 120 days, less the volume of entitlement which existed when the plan commenced).
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister's access licence dealing principles.

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NOW 11_308_4

Rules summary sheet Jingellic Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when flows are at or below 10 ML/day (equating to the 87th percentile of flows on all flow days)
Reference point	Jingellic Creek at Jingellic (gauge 401013)
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural off-river pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>

Trading rules

INTO water source	Not permitted
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

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NOW 11_308_5

Rules summary sheet Lower Wangamong Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access Rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200mm pipe)
Reference point	At the pumpsite
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.</p>

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>

Trading rules	
INTO water source	Not permitted
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

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NOW 11_308_6

Rules summary sheet Majors Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pumpsite
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.

Access rules for pump sites that are within a natural off-river pool

Cease to Pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference Point	Individual natural pool
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.

Trading rules	
INTO water source	Not permitted
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

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NOW 11_308_7

Rules summary sheet Mannus Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Upstream management zone

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when flows are at or below 0.2 metres (it is not known what percentile of flows this represents)
Reference point	Mannus Creek at Glenroy (gauge 40110008)
and	
Cease to pump	CtP when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pump site
Amendment provision	A new telemetered gauge is likely to be constructed just downstream of the existing staff gauge. Once it is operational a rating will be established corresponding to the existing height at the Glenroy gauge. After year five of the plan a CtP may be introduced equivalent to the current very low flow class as measured at the Glenroy Gauge.
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.
Reference point	Individual natural off-river pool

Downstream management zone	
Access rules for rivers and creeks	
Cease to pump	Cease to pump (CtP) when flows are at or below 9.4 ML/day (equating to 0.45 metres and the 72 nd percentile of flows on all flow days as measured at the reference point)
Reference point	Mannus Creek at Yarramundi (gauge 401017)
and	
Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pump site
Amendment provision	A new telemetered gauge is likely to be constructed just downstream of the existing staff gauge. Once it is operational a rating will be established corresponding to the existing height at the Glenroy gauge. After year five of the Plan a CtP may be introduced equivalent to the current very low flow class as measured at the Glenroy Gauge.
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools	
Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.
Reference point	Individual natural off-river pool

Trading rules	
INTO water source	Trades permitted in to very high flows of more than 61 ML/day (equating to the 30 th percentile of flows on all days at the Yarramundi gauge), limited to 1,668 ML/year (being 30% of the very high flow index)
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister’s access licence dealing principles.

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NOW 11_308_8

Rules summary sheet Maragle Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when flows are at or below 10 ML/day (equating to the 85 th percentile of flows on all flow days)
Reference point	Maragle Creek at Maragle (gauge 401009)
and	
Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200mm pipe)
Reference point	At the pumpsite
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>
Reference point	Individual natural off-river pool

Trading rules	
INTO water source	Trades permitted in to high flows of more than 41 ML/day (equating to the 50 th percentile of flows on all flow days), limited to 567 ML/year (being 20% of the high flow index multiplied by 120 days less the volume of annual entitlement already licensed)
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister's access licence dealing principles.

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NOW 11_308_9

Rules summary sheet Murray below Mulwala Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Lindsay Holden, NSW Office of Water, on (03) 5898 3936.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pumpsite
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.</p>

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>

Trading rules	
INTO water source	Not permitted
WITHIN water source	Trades permitted, subject to assessment
Conversion to high flow access	Not permitted
Interstate trading	Not permitted

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NOW 11_308_10

Rules summary sheet Ournie Welaregang Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200mm pipe)
Reference point	At the pumpsite
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.</p>

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>

Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to another licence category	Not permitted
Interstate trading	Not permitted

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NOW 11_308_11

Rules summary sheet Swampy Plain Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pumpsite
Amendment provision	After year five of the plan, if the Bureau of Meteorology begin publishing real-time data for the Snowy Hydro Ltd Swampy Plain at Khancoban 2 gauge (401501) then cease to pump (CtP) after year five of the plan when flows are at or below the 95 th percentile of flows during the critical month of February (this is estimated to be around 86 ML/day) for users upstream of Khancoban Pondage.
Note	These rules apply to all extraction from rivers and creeks excluding extraction from natural in-river pools within the channels of rivers and creeks

Access rules for pump sites that are within a natural in-river pool

Cease to pump	Pumping is not permitted from natural in-river pools when the water level in the pool is lower than its full capacity.
Reference point	Individual natural pool
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural in-river pools include pools found within the channels of rivers and creeks, lakes, lagoons and billabongs.

Access rules for pump sites that are within a natural off-river pool

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Reference point	Individual natural pool
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.

Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to another licence category	Not permitted
Interstate trading	Not permitted

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NOW 11_308_12

Rules summary sheet Tooma Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Tooma River management zone

Access rules for rivers and creeks

Cease to pump	Cease to pump (CtP) when flows are at or below 79 ML/day (equating to the 95 th percentile of flows during the critical month of February)
Reference point	Tooma River at Pinegrove (gauge 401014)
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	‘Full capacity’ can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.
Reference point	Individual natural off-river pool

Trading rules

INTO water source	Permitted in to moderate flows of more than 297 ML/day (equating to the 70 th percentile of flows on all flow days), limited to 2,177 ML/year (being 10% of the moderate flow index multiplied by 120 days less the volume of annual entitlement already licensed).
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister’s access licence dealing principles.

Tooma tributaries management zone	
Access rules for rivers and creeks	
Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200 mm pipe)
Reference point	At the pump site
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools	
Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	<p>'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident.</p> <p>Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.</p>
Reference point	Individual natural off-river pool

Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to another licence category	Not permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister's access licence dealing principles.

More information about the Water Sharing Plan for the Murray Unregulated and Alluvial Water Sources is available at the Office of Water website www.water.nsw.gov.au

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Rules summary sheet Tumbarumba Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Upstream management zone

Access rules for creeks and rivers

Cease to pump	Cease to pump (CtP) when flows are at or below 14 ML/day (equating to the 95 th percentile of flows on all flow days)
Reference point	Tumbarumba Creek at Tumbarumba 2 (gauge 401007)
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.
Reference point	Individual natural off-river pool

Trading rules

INTO water source	Permitted in to high flows of more than 79 ML/day (equating to the 50 th percentile of flows on all flow days), limited to 1,233 ML/year (being 20% of the high flow index multiplied by 120 days less the volume of annual entitlement already licensed).
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister's access licence dealing principles.

Downstream management zone	
Access rules for rivers and creeks	
Cease to pump	Cease to pump when flows are at or below 32 ML/day (equating to the 95 th percentile of flows on all flow days, as extrapolated from records at the Tooma River at Pinegrove gauge)
Reference point	Tumbarumba Creek at Tooma (gauge 401024)
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks
Access rules for natural off-river pools	
Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.
Reference point	Individual natural off-river pool

Trading rules	
INTO water source	Permitted in to moderate flows of more than 120 ML/day (equating to the 70 th percentile of flows on all flow days at the Pinegrove gauge extrapolated to the Tooma gauge), limited to 960 ML/year (being 10% of the moderate flow index multiplied by 120 days less the volume of annual entitlement already licensed).
WITHIN water source	Permitted, subject to assessment
Conversion to high flow access	Permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister's access licence dealing principles.

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Rules summary sheet Upper Murray River Water Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Access rules for creeks and rivers

Cease to pump	Cease to pump (CtP) when flows are at or below 600 ML/day
Reference point	Murray River at Jingellic (gauge 401201)
and	
Cease to pump	Cease to pump (CtP) when there is no visible flow (equivalent to full flow through a 200mm pipe)
Reference point	At the pumpsite
Note	These rules apply to all extraction from rivers and creeks in this water source including from natural in-river pools within the channels of rivers and creeks

Access rules for natural off-river pools

Cease to pump	Pumping is not permitted from natural off-river pools when the water level in the pool is lower than 80% of its full capacity.
Note	'Full capacity' can be approximated by the pool water level at the point where visible inflow and outflow of that pool becomes no longer evident. Natural off-river pools include pools located on flood runners, floodplains and effluents e.g. lakes, lagoons and billabongs.
Reference point	Individual natural off-river pool

Trading rules

INTO water source	Permitted, subject to assessment
WITHIN water source	Permitted, subject to assessment
Conversion to another licence category	Not permitted
Interstate trading	Dealings that result in interstate transfer and assignment of water allocations to or from this water source are prohibited unless there is an interstate agreement enabling such dealings and such arrangements are specified in the Minister's access licence dealing principles.

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NOW 11_308_15

Rules summary sheet Upper Murray Groundwater Source

Water sharing plan	Murray Unregulated and Alluvial Water Sources
Plan commencement	30 January 2012
Term of the plan	10 years

Rules summary

The following rules are a guide only. For more information about your actual licence conditions, please call Clare Purtle, NSW Office of Water, on (02) 6024 8859.

Limits to the availability of water

Assessment of average annual extraction against the long-term average annual extraction limit	<p>Growth in extractions will be assessed against the long-term average annual extraction limit (14,109 ML/year) over a 5 year period with a 10% tolerance.</p> <p>Assessments will commence from the second year of the plan (2012/13) using extraction records from 2007-08.</p>
Available water determinations	<p>Available water determinations (AWDs) will be made at commencement of each water year for:</p> <ul style="list-style-type: none"> • Specific purpose access licences – 100% of share component. • Aquifer access licences – 1ML/unit of share component or lower amount as result of a growth in extractions response. <p>Note: Specific purpose access licence category includes domestic and stock (subcategory domestic) and local water utility access licences.</p> <p>Note: Aquifer access licence category includes licences currently issued for irrigation, stock, industrial and recreational purposes.</p> <p>Note: During times of critical water shortages, AWDs for specific purpose access licences for stock and domestic (subcategory domestic) may be reduced below 100%</p>

Rules for managing access licences

Carryover	<p>Carryover of the balance of a water account up to 0.74 ML per unit share of entitlement will be permitted at the end of each water year.</p> <p>No carryover is allowed for domestic and stock, local water utility or special purpose access licences.</p>
Take limit	<p>The maximum amount of water permitted to be taken in any one water year is the water allocation accrued in the water access licence account for that water year (including any carryover from the previous year), up to 1.37 ML per unit share of entitlement, adjusted for allocation assignments out of or into individual accounts.</p>

Rules for granting access licences	
Rules for granting new access licences	<p>Granting water access licences may be considered for the following categories:</p> <ul style="list-style-type: none"> • Specific purpose access licences in clause 19 of the <i>Water Management (General) Regulation 2004</i>, including: local water utility, major water utility, domestic and stock, town water supply and Aboriginal cultural licences. • Aquifer (Aboriginal cultural) access licences, up to 10 ML/yr.

Rules for granting and amending water supply works approvals	
Rules to minimise interference between bores	<p>Water supply works (bores) are not to be granted or amended within the following distances of existing bores:</p> <ul style="list-style-type: none"> • 1000 metres from a bore that is nominated on an aquifer access licence on another landholding. • 400 metres from a bore that is used to extract basic landholder rights on another landholding. • 1000 metres from a bore nominating a local or major water utility access licence. • 1000 metres from a bore that is used by the Office for monitoring purposes (unless agreed to in writing by the Office). • 500 metres from a property boundary (unless negotiated in writing with neighbour). <p><i>The Plan lists circumstances in which these distance rules may be varied and exemptions from these rules.</i></p>
Rules for bores located near contamination	<p>Water supply works (bores) are not to be granted or amended within:</p> <ul style="list-style-type: none"> • 250 metres of a contamination source as identified within the plan, or • between 250 metres and 500 metres of a contamination source as identified within the plan unless no drawdown of water will occur within 250 metres of the contamination, or • a distance greater than 500 metres of a contamination source as identified within the plan if necessary to protect the water source, the environment or public health or safety. <p><i>The Plan lists circumstances in which these distance rules may be varied and exemptions from these rules.</i></p>
Rules to protect groundwater dependent culturally significant sites	<p>Water supply works (bores) are not to be granted or amended within the following distances of groundwater dependent cultural significant sites:</p> <ul style="list-style-type: none"> • 100 metres for bores used solely for extracting basic landholder rights • 200 metres for bores not used solely for extracting basic landholder rights <p><i>The Plan lists circumstances in which these distance rules may be varied.</i></p> <p>Note: Culturally significant sites will not be specifically identified in the plan but a process for the Office to undertake to identify these during the process of assessing and granting works approvals will be included.</p>

Rules for granting and amending water supply works approvals	
Rules for bores located near sensitive environmental areas	<p>Water supply works (bores) used solely for extracting basic landholder rights are not to be granted or amended within:</p> <ul style="list-style-type: none"> • 100 metres of a high priority groundwater dependent ecosystem (GDE) listed in the plan • 40 metres from the top of the high bank of a river or stream. <p>Bores not used solely for extracting basic landholder rights are not to be granted or amended within:</p> <ul style="list-style-type: none"> • 200 metres of a high priority GDE listed in the plan • a distance greater than 200 metres of a high priority GDE listed in the plan if the bore is likely to cause drawdown at the perimeter of any high priority GDE listed in the plan • 40 metres from the top of the high bank of a river or stream. <p><i>The Plan lists circumstances in which these distance rules may be varied and exemptions from these rules.</i></p> <p>Note: At this point in time no high priority GDEs have been identified.</p>
To protect groundwater dependent culturally significant sites	<p>No water supply works (bores) to be granted or amended within the following distances of groundwater dependent cultural significant sites as identified within the plan:</p> <ul style="list-style-type: none"> • 100 metres for bores used for extracting for basic landholder rights, or • 200 metres for bores used for all other aquifer access licences <p><i>The plan lists circumstances in which these distance rules may be varied and exemptions from these rules.</i></p>
Rules for the use of existing bores within restricted distances	<p>An existing water supply work (bore) will be able to continue extraction of groundwater with the maximum annual amount extracted equivalent to the share components of access licences nominating that bore at the commencement of the plan within</p> <ul style="list-style-type: none"> • 500 metres of contamination listed in the plan, or • any of the distance restrictions listed above <p>Note: The water quality from any bore can be affected by land use activities and inherent water quality in the aquifer. Water quality cannot be guaranteed and may be unsuitable for human consumption and other uses. The quality of water extracted should be tested before being used and appropriately treated. Such testing and treatment is the responsibility of the licence holder.</p> <p>Note: If the distance criteria in the plan are amended, the maximum amount of water that may be taken by a bore within the new criteria in one water year is equal to the sum of share components of access licences nominating that bore at the time of amendment.</p>

Rules to manage local impacts	
Rules to manage local impacts	<p>The <i>Water Management Act 2000</i> provides for the Minister to prohibit or restrict the taking of water from a water source in order to manage local impacts in groundwater sources, where required to:</p> <ul style="list-style-type: none"> • maintain or protect water levels in an aquifer, or • maintain, protect or improve the quality of water in an aquifer, or • prevent land subsidence or compaction in an aquifer, or • to protect groundwater-dependent ecosystems, or • to maintain pressure, or to ensure pressure recovery, in an aquifer.

Trading rules	
INTO the groundwater source	Trades are not permitted into the groundwater source.
WITHIN the groundwater source	Trades are permitted within the groundwater source, subject to assessment of potential impacts on other users and the environment.
Conversion to another licence category	Conversion of access licence from one category to another in the groundwater source is not permitted.
Interstate trading	Not permitted

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