

Water Sharing Rules

Bilambil Creek Water Source

| Water Sharing Plan | |
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| Plan | Tweed River Area Unregulated and Alluvial Water Sources |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

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| Cease to pump | 0.5 ML/day at the Cobaki Creek gauge (approximates no visible flow in the Bilambil Creek Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Cobaki Creek gauge (201012) in the Cobaki Creek Water Source |
| Amendment provisions | N/A |

Trading Rules

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| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
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| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_1

Water Sharing Rules

Brays Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

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| Cease to pump | 3 ML/day at the Eungella gauge (approximates no visible flow in the Brays Creek Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge. |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. |
| Amendment provisions | N/A |

Trading Rules

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| INTO water source | Permitted only from the Pumpenbil Creek, Upper Oxley River, Hopping Dicks Creek, Lower Oxley River, Mid Tweed River, Smiths Creek, Rolands Creek, Doon Doon Creek, Upper Tweed River or Byrrill Creek Water Sources up to a maximum additional entitlement of 170 ML. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
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| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_2

Water Sharing Rules

Burringbar River Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules - Burringbar River and Crabbes Creek Management Zones

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| Cease to pump | <p>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | N/A |
| Reference points - for Burringbar River Management Zone - for Crabbes Creek Management Zone | <p>In the vicinity of the staff gauge located in a pool under the Pacific Highway Bridge, Burringbar.</p> <p>Crabbes Creek Road (creek crossing), 500m from the junction of the Pacific Highway.</p> |
| Amendment provisions | N/A |

Trading Rules - Burringbar River and Crabbes Creek Management Zones

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| INTO water source | Not permitted |
| WITHIN water source | Permitted only within each Management Zone |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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Jobtrack 13035_3

Water Sharing Rules

Byrrill Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

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| Cease to pump | 3 ML/day at the Eungella gauge (approximates the 95 th ile in the Byrrill Creek Water Source) NB. From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella Gauge (until the new Palmers Road gauge is calibrated). |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. The reference point will change to the Tweed River, Palmers Road gauge (201015) in the Mid Tweed Water Source once it is calibrated. |
| Amendment provisions | A new gauge has been installed in the Mid Tweed water source at Palmers Road. Once the gauge is calibrated the cease to pump will be managed from this gauge based on no visible flow in the Byrrill Creek Water Source. |

Trading Rules

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| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

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JT 13035_4

Water Sharing Rules Christies Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|---|
| Cease to pump | <p>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | N/A |
| Reference point | Kanes Road Crossing |
| Amendment provisions | N/A |

Trading Rules

| | |
|--|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_5

Water Sharing Rules

Clothiers Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

| Access Rules | |
|----------------------|--|
| Cease to pump | <p>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> <p>For an aquifer access licence no visible flow at the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.</p> |
| Pumping restrictions | N/A |
| Reference point | Pump site |
| Amendment provisions | N/A |

| Trading Rules | |
|--|--|
| INTO water source | Permitted only from the Cudgen Lake Water Source |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

| | |
|--|---|
| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_6

Water Sharing Rules

Cobaki Broadwater Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|--|
| Cease to pump | 0.5ML/day at the Cobaki Creek gauge. NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Cobaki Creek gauge (201012) in the Cobaki Creek Water Source. |
| Amendment provisions | N/A |

Trading rules

| | |
|--|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_7

Water Sharing Rules

Cobaki Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|--|
| Cease to pump | 0.5ML/day at the Cobaki Creek gauge. NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Cobaki Creek gauge (201012) in the Cobaki Creek Water Source. |
| Amendment provisions | N/A |

Trading rules

| | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_8

Water Sharing Rules

Crystal Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|---|
| Cease to pump | 6 ML/day at the Boatharbour No. 3 gauge (approximates no visible flow in the Crystal Creek Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Boatharbour No. 3 gauge (201005) in the Mid Rous Water Source. |
| Amendment provisions | N/A |

Trading Rules

| | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Permitted at the ratio of 2.5:1 |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_9

Water Sharing Rules

Cudgen Lake Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

The following rules are a guide only. For more information please contact WaterNSW on 1300 622 077.

Access Rules

| | |
|----------------------|--|
| Cease to pump | <p>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> <p>For an aquifer access licence no visible flow at the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.</p> |
| Pumping restrictions | N/A |
| Reference point | Pump site |
| Amendment provisions | N/A |

Trading rules

| | |
|--|--|
| INTO water source | Permitted only from the Clothiers Creek water source |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

| | |
|--|---|
| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_10

Water Sharing Rules

Cudgera Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

The following rules are a guide only. For more information please contact WaterNSW on 1300 622 077.

Access Rules

| | |
|----------------------|---|
| Cease to pump | <p>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | N/A |
| Reference point | Cudgera Creek Road Bridge (east of Highway) |
| Amendment provisions | N/A |

Trading rules

| | |
|--|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister’s opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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|--|---|
| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_11

Water Sharing Rules

Doon Doon Creek Water Source

| Water Sharing Plan | |
|-------------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

The following rules are a guide only. For more information please contact WaterNSW on 1300 622 077.

Access Rules

| | |
|-----------------------------|--|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates no visible flow in the Doon Doon Creek Water Source). NB. From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge (until the Palmers Road gauge is calibrated). |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. The reference point will change to the Tweed River, Palmers Road gauge (201015) in the Mid Tweed Water Source once it is calibrated. |
| Amendment provisions | A new gauge has been installed in the Mid Tweed Water Source at Palmers Road. Once the gauge is calibrated the cease to pump will be managed from this gauge based on no visible flow in the Doon Doon Water Source. |

Trading rules

| | |
|---|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_12

Water Sharing Rules

Dunbible Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | N/A |
| Reference point | Stokers Road Crossing |
| Amendment provisions | N/A |

Trading rules

| | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_13

Water Sharing Rules

Dungay Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | N/A |
| Reference point | Dungay Creek Road |
| Amendment provisions | N/A |

Trading rules

| | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Management of bores near contaminated sites</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ New bores are not to be located within the 100m of contaminated sites as identified within the plan. ▪ These rules do not apply to works for monitoring, environmental management purposes or remedial work. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. • Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_14

Water Sharing Rules

Duroby Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

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| Cease to pump | 0.5ML/day at the Cobaki Creek gauge (approximates no visible flow in the Duroby Creek Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Cobaki Creek gauge (201012) in the Cobaki Creek Water Source |
| Amendment provisions | N/A |

Trading rules

| | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_15

Water Sharing Rules

Hopping Dicks Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>Years 1 – 5 2 ML/day at the Eungella gauge (approximates the 98th %ile flow in the Hopping Dicks Creek Water Source).</p> <p>Years 6 – 10 3 ML/day at the Eungella gauge (approximates the 95th %ile flow in the Hopping Dicks Creek Water Source).</p> <p>NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | <p>Years 1 – 5 Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 2 ML/day at the Eungella gauge.</p> <p>Years 6 – 10 Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge.</p> |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. |
| Amendment provisions | N/A |

Trading rules

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|--|---|
| INTO water source | Permitted only from the Lower Oxley River, Mid Tweed River, Smiths Creek, Rolands Creek, Doon Doon Creek, Upper Tweed River, Byrill Creek, Brays Creek, Pumpenbil Creek or Upper Oxley River water sources up to a maximum additional entitlement of 94 ML. |
| WITHIN water source | Permitted, subjected to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_16

Water Sharing Rules

Lower Oxley River Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>Years 1 – 5 2 ML/day at the Eungella gauge (approximates the 98th %ile flow in the Lower Oxley River Water Source).</p> <p>Years 6 – 10 3 ML/day at the Eungella gauge (approximates the 95th %ile flow in the Lower Oxley River Water Source).</p> <p>NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | <p>Years 1 – 5 Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 2 ML/day at the Eungella gauge.</p> <p>Years 6 – 10 Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge.</p> |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. |
| Amendment provisions | N/A |

| Trading rules | |
|--|---|
| INTO water source | Permitted only from the Mid Tweed River, Smiths Creek, Rolands Creek, Doon Doon Creek, Upper Tweed River, Byrrill Creek, Brays Creek, Pumpenbil Creek, Upper Oxley River or Hopping Dicks Creek water sources up to a maximum additional entitlement of 663 ML. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_17

Water Sharing Rules

Mid Rous River Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|---|
| Cease to pump | 1 ML/day at the Boatharbour No. 3 gauge (approximates the 95 th ile in the Mid Rous Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Rous River, Boatharbour 3 gauge (201005) in the Mid Rous River Water Source. |
| Amendment provisions | N/A |

Trading rules

| | |
|--|---|
| INTO water source | Permitted, only if no net gain or from Nobbys Creek, Crystal Creek or Upper Rous River Water Sources. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Permitted at the ratio of 2.5:1 |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_18

Water Sharing Rules

Mid Tweed River Water Source

| Water Sharing Plan | |
|-------------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|-----------------------------|---|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates the 95 th ile in the Mid Tweed Water Source). NB. From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge (until the new Palmers Road gauge is calibrated). |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. The reference point will change to the Tweed River, Palmers Road gauge (201015) in the Mid Tweed Water Source once it is calibrated. |
| Amendment provisions | A new gauge has been installed in the Mid Tweed Water Source at Palmers Road. Once the gauge is calibrated the cease to pump will be managed from this gauge based on the 95 th ile flow in the Mid Tweed Water Source. |

Trading rules

| | |
|---|---|
| INTO water source | Permitted only from Smiths Creek, Rolands Creek, Doon Doon Creek, Upper Tweed River, Byrill Creek, Brays Creek, Pumpenbil Creek, Upper Oxley River, Hopping Dicks Creek or Lower Oxley River Water Sources. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_19

Water Sharing Rules

Mooball Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> <p>For an aquifer access licence no visible flow at the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.</p> |
| Pumping restrictions | N/A |
| Reference point | Pump site |
| Amendment provisions | N/A |

Trading rules

| | |
|--|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

| | |
|--|---|
| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_20

Water Sharing Rules

Nobbys Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

| Access Rules | |
|----------------------|---|
| Cease to pump | 6ML/day at the Boatharbour No. 3 gauge (approximates no visible flow in the Nobbys Creek Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Boatharbour No. 3 gauge (201005) in the Mid Rous Water Source |
| Amendment provisions | N/A |

| Trading rules | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_21

Water Sharing Rules

Piggabeen Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|--|
| Cease to pump | 0.5 ML/day at the Cobaki Creek gauge (approximates no visible flow in the Piggabeen Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Cobaki gauge (201012) in the Cobaki Creek Water Source. |
| Amendment provisions | N/A |

Trading rules

| | |
|--|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_22

Water Sharing Rules

Pumpenbil Creek Water Source

| Water Sharing Plan | |
|-------------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

| Access Rules | |
|-----------------------------|---|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates no visible flow in the Pumpenbil Creek Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge. |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source |
| Amendment provisions | N/A |

| Trading rules | |
|---|--|
| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted subject to assessment |
| Conversion to High Flow Access Licence | Permitted at the ratio of 2.5:1 |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_23

Water Sharing Rules

Rolands Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

| Access Rules | |
|----------------------|--|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates no visible flow in the Rolands Creek Water Source). NB. From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. The reference point will change to the Tweed River, Palmers Road gauge (201015) in the Mid Tweed Water Source once it is calibrated. |
| Amendment provisions | A new gauge has been installed in the Mid Tweed Water Source at Palmers Road. Once the gauge is calibrated the cease to pump will be managed from this gauge based on no visible flow in the Rolands Creek Water Source. |

| Trading rules | |
|--|---|
| INTO water source | Permitted from the Doon Doon Creek, Upper Tweed River, Byrill Creek, Brays Creek, Pumpenbil Creek, Upper Oxley River, Hopping Dicks Creek, Lower Oxley River, Mid Tweed River or Smiths Creek Water Sources but only up to a maximum additional entitlement of 1871 ML. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_24

Water Sharing Rules

Sheens Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> |
| Pumping restrictions | N/A |
| Reference point | Sleepy Hollow Road Crossing |
| Amendment provisions | N/A |

Trading rules

| | |
|--|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_25

Water Sharing Rules

Smiths Creek Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

| Access Rules | |
|----------------------|---|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates no visible flow in the Smiths Creek Water Source). NB. From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. The reference point will change to the Tweed River, Palmers Road gauge (201015) in the Mid Tweed Water Source once it is calibrated. |
| Amendment provisions | A new gauge has been installed in the Mid Tweed Water Source at Palmers Road. Once the gauge is calibrated the cease to pump will be managed from this gauge based on no visible flow in the Smiths Creek Water Source. |

| Trading rules | |
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| INTO water source | Permitted from the Rolands Creek, Doon Doon Creek, Upper Tweed River, Byrrell Creek, Brays Creek, Pumpenbil Creek, Upper Oxley River, Hopping Dicks Creek, Lower Oxley River or Mid Tweed River Water Sources but only up to a maximum additional entitlement of 23 ML. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
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| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_26

Water Sharing Rules

Terranora Broadwater Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

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>All licence holders must cease to pump when:</p> <ul style="list-style-type: none"> (a) there is no visible flow immediately downstream of their pump site or into and out of the pumping pool, or (b) when there is no visible flow at the reference point. <p>NB: From year six of the Water Sharing Plan the cease to pump condition (b) will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply.</p> <p>For an aquifer access licence no visible flow at the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.</p> |
| Pumping restrictions | N/A |
| Reference point | Pump site |
| Amendment provisions | N/A |

Trading rules

| | |
|--|----------------------------------|
| INTO water source | Not permitted |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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| Trading rules - Tweed Estuary and Rous Tidal Pool Management Zones | |
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| INTO water source - for Tweed Estuary Management Zone - for Rous Tidal Pool Management Zone | Permitted, subject to assessment Trading into this management zone is not permitted if the trade will increase the total licensed entitlement for the zone (no net gain). |
| WITHIN water source - for Tweed Estuary Management Zone - for Rous Tidal Pool Management Zone | Permitted, subject to assessment Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|--|--|
| Rules to minimise interference between water supply work approvals (bores) <i>These rules apply to new bores.</i> <i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i> <i>These rules do not apply to replacement bores.</i> <i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| Rules to manage water supply work approvals (bores) located near contamination sources <i>These rules apply to new and replacement bores.</i> <i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i> <i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
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JT 13035_28

Water Sharing Rules

Upper Oxley River Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|--|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates no visible flow in the Upper Oxley River Water Source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella gauge. |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source |
| Amendment provisions | N/A |

Trading rules

| | |
|--|---|
| INTO water source | Permitted only from the Hopping Dicks Creek, Lower Oxley River, Mid Tweed River, Smiths Creek, Rolands Creek, Doon Doon Creek, Upper Tweed River, Byrrell Creek, Brays Creek or Pumpenbil Creek Water Sources up to a maximum additional entitlement of 418 ML. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

- about the development of the water sharing rules can be found on the water source Report Cards
- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_29

Water Sharing Rules

Upper Rous River Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

| Access Rules | |
|----------------------|--|
| Cease to pump | 1 ML/day at the Boatharbour No. 3 gauge (approximates 95 th ile flow in the Upper Rous River water source). NB: From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | N/A |
| Reference point | Boatharbour No. 3 gauge (201005) in the Mid Rous Water Source |
| Amendment provisions | N/A |

| Trading rules | |
|--|---|
| INTO water source | Permitted from Crystal Creek, Nobbys Creek or Mid Rous River Water Sources but only up to a maximum additional entitlement of 385 ML. |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Not permitted |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
| <p>Rules to manage water supply work approvals (bores) located near contamination sources</p> <p><i>These rules apply to new and replacement bores.</i></p> <p><i>These rules do not apply if the Minister is satisfied that the distance is adequate to protect the water source, its dependent ecosystems, and public health and safety</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 250m of the plume associated with a contamination source as identified within the plan; ○ between 250m and 500m of the plume associated with a contamination source identified within the Plan unless the Minister is satisfied that no draw down of water will occur within 250m of the plume associated with the contamination source; or ○ at a distance greater than 500m from the plume associated with a contamination source if the Minister determines that a greater distance is necessary to protect the water source, the environment or public health or safety. ▪ These rules may also be applied to contaminated sources not identified within the plan, based on the results of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites identified within the Plan may be added or removed by the Minister based on results of a site inspection or other relevant information provided to the Minister on that contamination source. |

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| <p>Rules to manage water supply work approvals (bores) located near sensitive environmental areas</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work</i></p> <p><i>These rules do not apply to replacement bores that are part of a bore network for a local or major water utility for Town Water Supply.</i></p> <p><i>These rules do not apply to replacement bores.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located: <ul style="list-style-type: none"> ○ within 100m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore used solely to take water for basic landholder rights; ○ within 200m of a high priority groundwater dependent ecosystem, as identified within the plan, in the case of a bore not used solely to take water for basic landholder rights; ○ at a distance specified by the Minister greater than 200 metres, excluding bores used solely for basic landholder rights, if the Minister is satisfied that the water supply work is likely to cause drawdown at the perimeter of any groundwater dependent ecosystem identified within the Plan; or ○ within 40m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority groundwater dependent ecosystem if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a bore from a groundwater dependent ecosystem may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any groundwater dependent ecosystem listed in the Plan or that a lesser distance would result in no greater impact on the water source and its groundwater dependent ecosystems. ▪ These specified distances may be amended in the Plan, or high priority groundwater dependent ecosystems may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister. ▪ There are no groundwater dependent ecosystems identified within the Tweed River WSP area at the commencement of the Plan. |
| <p>Temporary local impact area rules for managing water quality and maintaining groundwater levels</p> <p><i>These rules apply to all bores.</i></p> | <ul style="list-style-type: none"> ▪ Section 324 of the Water Management Act 2000 provides for the management of local impacts in groundwater sources. The Minister may, for a specified period, prohibit or restrict the taking of water from a water source, as the case requires to: <ul style="list-style-type: none"> ○ maintain or protect water levels in an aquifer; ○ maintain, protect or improve the quality of water in an aquifer; ○ prevent land subsidence or compaction in an aquifer; ○ to protect groundwater dependent ecosystems; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer. |

More information

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- on the Water Sharing Plan for the Tweed River unregulated and alluvial water sources generally is available at: www.industry.nsw.gov.au/water

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JT 13035_30

Water Sharing Rules

Upper Tweed River Water Source

| Water Sharing Plan | |
|------------------------|--|
| Plan | Tweed River Area Unregulated and Alluvial Water Source |
| Plan Commencement Date | 17 December 2010 |
| Term of the Plan | 10 years |
| Water Sharing Rules | These rules apply to all surface waters in the water source, as well as the alluvial groundwater that is highly connected to the surface waters. |

Rules Summary

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

Access Rules

| | |
|----------------------|--|
| Cease to pump | 3 ML/day at the Eungella gauge (approximates the 95 th ile in the Upper Tweed River Water Source) NB. From year six of the Water Sharing Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40m of an unregulated river, except for existing Domestic and Stock access licences and Local Water Utility access licences for which these rules do not apply. |
| Pumping restrictions | Pumping permitted for a maximum of 6 hours/day between 7:00 pm and 5:00 am when flows are equal to or less than 5 ML/day and greater than 3 ML/day at the Eungella Gauge (until the new Palmers Road Gauge is calibrated). |
| Reference point | Oxley River, Eungella gauge (201001) in the Lower Oxley Water Source. The reference point will change to the Tweed River, Palmers Road gauge (201015) in the Mid Tweed Water Source once it is calibrated. |
| Amendment provisions | A new gauge has been installed in the Mid Tweed water source at Palmers Road. Once this gauge is calibrated the cease to pump will be managed from this gauge (to achieve the 95 th ile in the Upper Tweed River Water Source). |

Trading rules

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| INTO water source | Trading into this water source is not permitted if the trade will increase the total licensed entitlement for the water source (no net gain) |
| WITHIN water source | Permitted, subject to assessment |
| Conversion to High Flow Access Licence | Permitted, subject to assessment |
| Conversion to Aquifer Access Licence | Permitted, subject to assessment |

| Managing Groundwater Alluvial Access Licences | |
|---|--|
| <p>Rules to minimise interference between water supply work approvals (bores)</p> <p><i>These rules apply to new bores.</i></p> <p><i>These rules do not apply to a bore that is solely for basic landholder rights (BLR).</i></p> <p><i>These rules do not apply to replacement bores.</i></p> <p><i>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</i></p> | <ul style="list-style-type: none"> ▪ A bore is not to be located within: <ul style="list-style-type: none"> ○ 400m from a bore authorised to take water from the same water source that is nominated by another access licence on another landholding; ○ 200m from a BLR bore authorised to take water from the same water source on another landholding; ○ 100m from the property boundary (unless negotiated with the landholder of the land adjoining the boundary); ○ 500m from a local or major water utility bore authorised to take water from the same water source unless the local water utility or major utility has provided consent in writing; or ○ 100m from a departmental monitoring bore (unless the Minister has provided consent in writing). ▪ The distance rules may be varied if, in the Minister's opinion, the location of the water supply work (bore) at a lesser distance would result in no more than minimal impact on existing extractions within the water source. Other variations will only be considered if the applicant undertakes a hydrogeological study, assessed as adequate by the Minister, which demonstrates that the location of the work at a lesser distance will have no more than minimal impact on existing extraction from the water source. |
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