

Water Sharing Rules

Alstonville Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	1 October 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 WaterNSW on 1300 662 077.

Access Rules for the Alstonville Management Zone and the Alstonville Drains Management Zone	
Cease to pump <i>- for both the Alstonville Management Zone and the Alstonville Drains Management Zone</i>	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 0.5 ML/day at the reference point. ▪ Holders of access licences as specified in Schedule 3 extracting from Maguires Creek downstream of the Alstonville Sewage Treatment Plant, are exempt from the cease to pump rule (b). ▪ Any new access licence traded onto Maguires Creek downstream of the Alstonville Sewage Treatment Plant will not be exempt from the cease to pump. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	<ul style="list-style-type: none"> ▪ Streamflow gauge to be established on Houghlahans Creek within the life of the Plan
Trading rules for the Alstonville Management Zone and the Alstonville Drains Management Zone	
INTO management zone	Not permitted
WITHIN management zone	Permitted, subject to assessment.

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Conversion to High Flow Access Licence	Not permitted
Conversion to Aquifer Access Licence	Permitted, subject to assessment

Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules Bangalow Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ For the first 5 years of the Plan all access licence holders must cease to pump when: <ul style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 12 ML/day at the reference point. ▪ From year 6 of the Plan all access licence holders must cease to pump when: <ul style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 24 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
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Pumping restrictions	<ul style="list-style-type: none"> ▪ From years 2 to 5 of the Plan water cannot be taken for more than: <ul style="list-style-type: none"> (a) 10 hours per day when the flow in the Wilsons River at the Eltham gauge is greater than 24 ML/day and less than or equal to 31 ML/day; or (b) 6 hours per day when the flow in the Wilsons River at the Eltham gauge is greater than 12 ML/day and less than or equal to 24 ML/day. ▪ From year 6 of the Plan water cannot be taken for more than 6 hours per day when the flow in the Wilsons River at the Eltham gauge is greater than 24 ML/day and less than or equal to 31 ML/day. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme, are not subject to the pumping restrictions. ▪ Total Daily Extraction Limits (TDELS) or Individual Daily Extraction Limits (IDELS) may be triggered during the life of the Plan as a result of a significant increase in activation of current licences or as a result of a request from water users. These will replace the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Reference point	Wilsons River gauge @ Eltham.
Amendment provisions	<ul style="list-style-type: none"> ▪ The cease to pump may be reduced after year 6 of the Plan if any future studies on instream requirements indicate that a lower cease to pump (i.e. between 12 ML/day and 24 ML/day) is adequate. ▪ An environmental flow rule may be implemented within the life of the Plan for the purposes of providing habitat flows for the Eastern Freshwater Cod. This rule may be implemented based on the availability of new information that: <ul style="list-style-type: none"> (a) identifies the flow requirements of the Eastern Freshwater Cod; (b) identifies the hydrology, instream barriers, levels of water extraction and geomorphological characteristics of the water source; and (c) considers the socio-economic impacts of any proposed change to licence holder access conditions as a result of implementing an environmental flow rule.
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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Water Sharing Rules

Broadwater Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Coopers Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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 for the Upper and Lower Coopers Creek Management Zones

Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) when flows are at or below 9 ML/day at the reference point. ▪ NB: From 1 July 2016 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work. ▪ For an access licence taking from an off-river natural pool, licence holders must cease to pump when the pool is less than the full capacity of the pool.
Pumping restrictions	<ul style="list-style-type: none"> ▪ Pumping is permitted for a maximum of 12 hours per day between the hours of 8pm and 8am, when the flow is greater than 9 ML/day and less than or equal to 16 ML/day. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Reference point	Coopers Creek @ Ewing Bridge (203024) in the Coopers Creek Water Source.
Note	<p>Note: Cease-to-pump rules do not apply to local water utility access licences or unregulated river (town water supply) access licences listed in clause 2 of Schedule 3A or local water utility access licences or aquifer (town water supply) access licences listed in clause 2 of Schedule 4 in the plan</p> <p>Note: All access rules described above do not apply:</p> <ol style="list-style-type: none"> 1. to water taken for “health and hygiene purposes” as listed in the plan (up to 20 kL/day), using works nominated by licences listed in clause

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Access Rules for the Upper and Lower Coopers Creek Management Zones	
	<ol style="list-style-type: none"> 1. of Schedule 3A or clause 1 of Schedule 4 in the plan 2. to water taken for domestic consumption (up to 1 kL/house/day) using works nominated by domestic and stock access licences 3. until 1 July 2016, to <u>groundwater</u> taken for stock using works nominated by domestic and stock access licences
Amendment provisions	<ul style="list-style-type: none"> ▪ Amend the flow reference point, when the Minister is satisfied that suitable flow records have been established for the Fairmeadow gauge (203060) on Coopers Creek. N.B. the cease to pump will be equivalent to the 95th percentile at the Ewing Bridge gauge. ▪ Amend existing flow classes, establish a new or additional flow class in this water sources to assist with the passage of the Eastern Freshwater Cod, subject to: <ol style="list-style-type: none"> a. the availability of new information that identifies the flow requirements of the Eastern Freshwater Cod; the hydrology of the respective water source, levels of water extraction, geomorphological characteristics of the rivers within the respective water source, in-stream barriers, and b. consideration of the socio-economic impacts of any proposed change to licence holder access
Trading rules for the Upper Coopers Creek and Lower Coopers Creek Management Zones	
INTO water source	Not permitted
WITHIN water source	<p>No trading permitted into the Restricted Trading Zone located in the Upper Zone.</p> <p>No trading into the Upper Zone.</p> <p>Trading permitted from the Upper Zone to the Lower Zone</p> <p>No trading from tributaries to the main trunk of Coopers Creek.</p>
Conversion to High Flow Access Licence	Not permitted
Conversion to Aquifer Access Licence	Permitted, subject to assessment
Trading rules for the Coopers Creek Alluvial Groundwater Source	
Aquifer access licences	Trading rules for alluvial bores will be the same as the surface water management zone the bore is located within.

Rules for granting or amending approvals for groundwater supply works (bores)

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Rules for granting or amending approvals for groundwater supply works (bores)	
<p>Rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ Approvals for groundwater supply works (bores) must not be granted or amended within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Department for monitoring purposes (unless agreed to by the Department). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new or amended bores.</p> <p>These rules do apply to replacement bores.</p> <p>These rules do apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ Approvals for groundwater supply works (bores) must not be granted or amended within 250 m of contaminated sites as identified within the Plan. ▪ The granting or amending of an approval for a water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ The granting or amending of an approval for a water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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Rules for granting or amending approvals for groundwater supply works (bores)	
<p>Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ New or amended water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ New or amended water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ New or amended water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Rules for granting or amending approvals for groundwater supply works (bores)	
Managing temporary local impacts	<ul style="list-style-type: none"> ▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer.

More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules Coraki Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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 for the Richmond River Tidal Pool Management Zone

Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when salinity levels (as measured on the low tide at the reference point) rise above 2 parts per thousand (ppt) for 5 consecutive days. ▪ Pumping may commence again when salinity levels (as measured on the low tide at the reference point) fall from 2 ppt or greater to between 2 ppt and 0.3 ppt for 5 consecutive days. ▪ Pumping may commence immediately when salinity levels (as measured on the low tide at the reference point) fall from 2 ppt or greater to 0.3 ppt or less. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
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Pumping restrictions	<ul style="list-style-type: none"> ▪ If salinity levels have remained between 1 and 2 ppt (as measured on the low tide at the reference point) for five consecutive days, pumping is permitted for a maximum of 10 hours per day. ▪ If salinity levels fall from between 2 and 1 ppt (as measured on the low tide at the reference point) to below 1 ppt and remain there for 5 consecutive days, then pumping is no longer restricted. ▪ If salinity levels have fallen from between 2 and 1 ppt (as measured on the low tide at the reference point) to below 0.3 ppt, unrestricted pumping can commence immediately. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme, are not subject to the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Salinity gauging station at Coraki

Access Rules for the Coraki Non Tidal Management Zone	
Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site

Trading rules for the Richmond River Tidal Pool Management Zone	
INTO management zone	<p>Permitted subject to assessment from Leycester Creek, Terania Creek, Bangalow Area, Coopers Creek, Upper Richmond River, Gradys Creek, Kyogle Area, Eden Creek, Doubtful Creek, Toonumbar Area, Wyrallah Area, Sandy Creek, Myrtle Creek, Myall Creek, Shannon Brook, Double Duke water sources and the Coraki Non Tidal Management Zone.</p> <p>Not permitted into Bungawalbyn Creek or any of its tributaries in this management zone.</p> <p>Trading into the Wyrallah Area and Coraki Area water sources is permitted up to a volume of 2,000 ML in total.</p>
WITHIN management zone	Permitted, subject to assessment except into Bungawalbyn Creek and any of its tributaries in this management zone.
Conversion to High Flow Access Licence	Not permitted

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Conversion to Aquifer Access Licence	Permitted, subject to assessment
Trading rules for the Coraki Non Tidal Management Zone	
INTO management zone	Permitted subject to assessment from Leycester Creek, Terania Creek, Bangalow Area, Coopers Creek, Upper Richmond River, Gradys Creek, Kyogle Area, Eden Creek, Doubtful Creek, Toonumbar Area, Wyrallah Area, Sandy Creek, Myrtle Creek, Myall Creek, Shannon Brook, Double Duke water sources and the Richmond River Tidal Pool Management Zone as long as there is no net increase in entitlement in this management zone.
WITHIN management zone	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>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.

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<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.
<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.

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<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.
<p>Managing temporary local impacts</p>	<ul style="list-style-type: none"> ▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer.

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Water Sharing Rules

Double Duke Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Doubtful Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
Trading rules	
INTO water source	Trades permitted from Gradys Creek, Upper Richmond River, Toonumbar Area, Eden Creek or Kyogle Area water sources subject to assessment as long as there is no net increase in entitlement in this 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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

Jobtrack 13174 – RSS06.1

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Water Sharing Rules

Eden Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
Trading rules	
INTO water source	Trades permitted from Gradys Creek, Upper Richmond River, Toonumbar Area, Doubtful Creek or Kyogle Area water sources subject to assessment as long as there is no net increase in entitlement in this water source.
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion.
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

Jobtrack 13174 – RSS07.1

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Water Sharing Rules

Evans River Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
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

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<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Gradys Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 15 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
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Pumping restrictions	<ul style="list-style-type: none"> ▪ From year 2 of the Plan water cannot be taken for more than: <ul style="list-style-type: none"> (a) 10 hours per day when the flow in the Richmond River at the Wiangaree gauge is greater than 22 ML/day and less than or equal to 28 ML/day; or (b) 6 hours per day when the flow in the Richmond River at the Wiangaree gauge is greater than 15 ML/day and less than or equal to 22 ML/day. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme are not subject to the pumping restrictions. ▪ Total Daily Extraction Limits (TDELS) or Individual Daily Extraction Limits (IDELS) may be triggered during the life of the Plan as a result of a significant increase in activation of current licences or as a result of a request from water users. These will replace the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Reference point	Richmond River gauge @ Wiangaree
Amendment provisions	<ul style="list-style-type: none"> ▪ An environmental flow rule may be implemented within the life of the Plan for the purposes of providing habitat flows for the Eastern Freshwater Cod. This rule may be implemented based on the availability of new information that: <ul style="list-style-type: none"> (a) identifies the flow requirements of the Eastern Freshwater Cod; (b) identifies the hydrology, instream barriers, levels of water extraction and geomorphological characteristics of the water source; and (c) considers the socio-economic impacts of any proposed change to licence holder access conditions as a result of implementing an environmental flow rule.
Trading rules	
INTO water source	Trades permitted from the Upper Richmond River Water Source, subject to assessment.
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion.
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Kyogle Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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 for the Upper Kyogle Management Zone

Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 15 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
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Pumping restrictions	<ul style="list-style-type: none"> ▪ From year 2 of the Plan water cannot be taken for more than: <ul style="list-style-type: none"> (a) 10 hours per day when the flow in the Richmond River at Kyogle gauge is greater than 21 ML/day and less than or equal to 29 ML/day; or (b) 6 hours per day when the flow in the Richmond River at Wiangaree gauge is greater than 15 ML/day and less than or equal to 21 ML/day. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme are not subject to the pumping restrictions. ▪ Total Daily Extraction Limits (TDELS) or Individual Daily Extraction Limits (IDELS) may be triggered during the life of the Plan as a result of a significant increase in activation of current licences or as a result of a request from water users. These will replace the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Reference point	Richmond River gauge @ Kyogle
Amendment provisions	<ul style="list-style-type: none"> ▪ An environmental flow rule may be implemented within the life of the Plan for the purposes of providing habitat flows for the Eastern Freshwater Cod. This rule may be implemented based on the availability of new information that: <ul style="list-style-type: none"> (a) identifies the flow requirements of the Eastern Freshwater Cod; (b) identifies the hydrology, instream barriers, levels of water extraction and geomorphological characteristics of the water source; and (c) considers the socio-economic impacts of any proposed change to licence holder access conditions as a result of implementing an environmental flow rule.
Access Rules for the Lower Kyogle Management Zone	
Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ul style="list-style-type: none"> (c) there is no visible flow in the vicinity of the pump site, or (d) flows are at or below 12 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.

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Pumping restrictions	<ul style="list-style-type: none"> ▪ From year 2 of the Plan water cannot be taken for more than: <ul style="list-style-type: none"> (c) 10 hours per day when the flow in the Richmond River at Kyogle gauge is greater than 21 ML/day and less than or equal to 29 ML/day; or (d) 6 hours per day when the flow in the Richmond River at Wiangaree gauge is greater than 15 ML/day and less than or equal to 21 ML/day. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme are not subject to the pumping restrictions. ▪ Total Daily Extraction Limits (TDELS) or Individual Daily Extraction Limits (IDELS) may be triggered during the life of the Plan as a result of a significant increase in activation of current licences or as a result of a request from water users. These will replace the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Reference point	<p>Richmond River gauge @ Kyogle for cease to pump</p> <p>Richmond River gauge @ Casino for pumping restrictions</p>
Amendment provisions	<ul style="list-style-type: none"> ▪ An environmental flow rule may be implemented within the life of the Plan for the purposes of providing habitat flows for the Eastern Freshwater Cod. This rule may be implemented based on the availability of new information that: <ul style="list-style-type: none"> (d) identifies the flow requirements of the Eastern Freshwater Cod; (e) identifies the hydrology, instream barriers, levels of water extraction and geomorphological characteristics of the water source; and (f) considers the socio-economic impacts of any proposed change to licence holder access conditions as a result of implementing an environmental flow rule.
Trading rules for the Upper Kyogle and Lower Kyogle and Management Zones	
INTO management zone	Trades permitted between both management zones and from the Upper Richmond River or Gradys Creek Water Source, subject to assessment.
WITHIN management	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion.
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Lennox Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work/.
Reference point	Pump site
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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Leycester Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 1 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Leycester River gauge @ Rock Valley
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Myall Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 0 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Myrtle Creek gauge @ Rappville in the Myrtle Creek 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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
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<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

Jobtrack 13174 – RSS13.1

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Water Sharing Rules

Myrtle Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 0 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Myrtle Creek gauge @ Rappville
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion
Conversion to Aquifer Access Licence	Permitted, subject to assessment

Managing Groundwater Alluvial Access Licences

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

Jobtrack 13174 – RSS14

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Water Sharing Rules

Richmond Regulated Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 2010
Term of the Plan	10 years
Water Sharing Rules	These rules apply to all surface waters in the water source.

Rules Summary

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

Access and Operational Rules	
Environmental Contingency Allowance	<ul style="list-style-type: none"> Maximum 1000 ML/Year with no carryover
Access to Uncontrolled Flows	<ul style="list-style-type: none"> Zone 1- extraction can commence when flow in the Ironpot Creek at Toonumbar gauge have been greater than 40 ML/day for a minimum of 12 hours. Zone 2 - extraction can commence when flow in the Eden Creek at Doubtful gauge have been greater than 40 ML/day for a minimum of 12 hours. Access to uncontrolled flows will be managed so as to ensure that no more than 50% of the flow in each Zone on any one day is extracted. <ul style="list-style-type: none"> Zone 1: Ironpot Creek from downstream of the Dam wall to the junction with Eden Creek. Zone 2: Eden Creek from the junction with Iron Pot Creek to the end of the regulated system.
End of System Flow	<ul style="list-style-type: none"> Visible flow at the pump site of the last regulated licence.
Carryover	<ul style="list-style-type: none"> No provision for users to carry over unused entitlement to the next year.
Supplementary Licences	<ul style="list-style-type: none"> Supplementary licences not permitted.
Licence Conversions	<ul style="list-style-type: none"> Conversion between high security access licences and general security access licences not permitted.

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Amendment provisions	<ul style="list-style-type: none"> ▪ By year 5 of the Plan a review must be undertaken to identify the environmental assets in the water source and the critical events that the ECA could be used for. The outcomes of this review will determine whether an ECA volume will continue to be set aside. In the event no review is undertaken, after year 5 of the Plan there will be no ECA for the water source to ensure that it does not have any undue socioeconomic impacts. ▪ If water usage in a year exceeds 8,000 ML the Minister may amend the Plan to allow for 10% carry over. ▪ Once 80% of entitlement becomes activated then permitting conversion of access licences will be reviewed.
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Trading rules	
INTO water source	Not permitted
WITHIN water source	<p>Into Zone 1 – permitted subject to assessment as long as there is no increase in total licensed entitlement in this zone.</p> <p>Into Zone 2 – permitted, subject to assessment.</p>
WITHIN zone	Permitted, subject to assessment

More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Richmond Regulated Alluvials Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 2010
Term of the Plan	10 years
Water Sharing Rules	These rules apply to the groundwater associated with the unconsolidated alluvial deposits that are highly connected to the surface waters of the Richmond Regulated River.

Rules Summary

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

Managing Groundwater Alluvial Access Licences

Granting water supply works approvals – rules to minimise interference between neighbouring bores

These rules apply to new bores.

These rules do not apply to replacement bores.

These rules do not apply to a bore which is solely for basic landholder rights.

These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.

- New water supply works (bores) are not to be located within the following distances of existing water supply works (bores):
 - 400 m from an water supply work (bore) that is nominated by another access licence on another landholding;
 - 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding;
 - 100 m from the boundary (unless negotiated with neighbour);
 - 500 m from a water supply work (bore) nominating a local or major utility access licence; or
 - 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office).
- The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.

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<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.
<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.

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<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.
<p>Managing temporary local impacts</p>	<ul style="list-style-type: none"> ▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer.

More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Sandy Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.water.nsw.gov.au

Jobtrack 13174 – RSS16.1

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Water Sharing Rules

Shannon Brook Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 0 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Shannon Brook gauge @ Yorklea.
Trading rules	
INTO water source	Trades permitted from any water source excluding the Evans River Water Source subject to assessment and as long as there is no net increase in entitlement in this water source.
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion.
Conversion to Aquifer Access Licence	Permitted, subject to assessment

Managing Groundwater Alluvial Access Licences

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<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

Jobtrack 13174 – RSS17

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Water Sharing Rules

Terania Creek Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ For the first 5 years of the Plan all access licence holders must cease to pump when: <ul style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) when flows are at or below 6 ML/day at the reference point. ▪ From year 6 of the Plan all access licence holders must cease to pump when: <ul style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) when flows are at or below 8.5 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
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Pumping restrictions	<ul style="list-style-type: none"> ▪ From year 2 of the Plan water cannot be taken for more than 8 hours per day when the flow in the Richmond River at Wiangaree gauge is greater than 6 ML/day and less than or equal to 15 ML/day. ▪ From year 6 of the Plan water cannot be taken for more than 8 hours per day when the flow in the Richmond River at Wiangaree gauge is greater than 8.5 ML/day and less than or equal to 15 ML/day. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme, are not subject to the pumping restrictions. ▪ Total Daily Extraction Limits (TDELS) or Individual Daily Extraction Limits (IDELS) may be triggered during the life of the Plan as a result of a significant increase in activation of current licences or as a result of a request from water users. These will replace the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Reference point	Coopers Creek @ Ewing Bridge in the Coopers Creek Water Source.
Amendment provisions	<ul style="list-style-type: none"> ▪ When a telemetered gauge is fully established on Goolmangar Creek, the cease to pump will be equivalent to the 95th percentile at this gauge. ▪ When a telemetered gauge is fully established on Goolmangar Creek, pumping restrictions will be implemented such that when flows are equal to or less than the 90th percentile and greater than the 95th percentile at the this gauge, for a maximum of 8 hours per day. ▪ In the event that it is considered that the very low flow class implemented after year 5 of the Plan is having a significant economic impact on water users, the very low flow class will be amended.
Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion.
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Toonumbar Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site
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

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Tuckean Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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 for the Tuckean Management Zone and the Tuckean Drains Management Zone	
Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ol style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 1 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Telemetered gauge to be established on Marom Creek.
Amendment provisions	<ul style="list-style-type: none"> ▪ When a telemetered gauge is fully established within the water source, the cease to pump will increase to the 98th percentile if it is greater than 1 ML/day. If 1 ML/day is more than the 98th percentile the cease to pump volume will be reduced to the 98th percentile. ▪ When a telemetered gauge is fully established within the water source, pumping restrictions will be implemented if the difference between the 90th and 98th percentiles is greater than 3 ML/day. Pumping will be permitted when flows are equal to or less than the 90th percentile and greater than the cease to pump at the reference point for a maximum of 6 hours per day.
Trading rules for the Tuckean Management Zone and the Tuckean Drains Management Zone	
INTO management zone	Not permitted

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WITHIN management zone	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>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 400 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.

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<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.
<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.

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<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.
<p>Managing temporary local impacts</p>	<ul style="list-style-type: none"> ▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or ○ to maintain pressure, or to ensure pressure recovery, in an aquifer.

More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Upper Richmond River Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when: <ul style="list-style-type: none"> (a) there is no visible flow in the vicinity of the pump site, or (b) flows are at or below 1 ML/day at the reference point. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Staff gauge on the Richmond River @ Lavelles Road

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Amendment provisions	<ul style="list-style-type: none"> ▪ When a telemetered gauge is fully established within the water source, the cease to pump will increase to the 95th percentile if it is greater than 1 ML/day. ▪ When a telemetered gauge is fully established within the water source, pumping restrictions will be implemented such that when flows are equal to or less than the 85th percentile and greater than the cease to pump at the reference point, pumping is permitted for a maximum of 6 hours per day. ▪ An environmental flow rule may be implemented within the life of the Plan for the purposes of providing habitat flows for the Eastern Freshwater Cod. This rule may be implemented based on the availability of new information that: <ul style="list-style-type: none"> (a) Identifies the flow requirements of the Eastern Freshwater Cod; (b) Identifies the hydrology, instream barriers, levels of water extraction and geomorphological characteristics of the water source; and (c) considers the socio-economic impacts of any proposed change to licence holder access conditions as a result of implementing an environmental flow rule.
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Trading rules	
INTO water source	Not permitted
WITHIN water source	Permitted, subject to assessment
Conversion to High Flow Access Licence	Permitted at the ratio of 1:5 for entitlement conversion.
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
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<p>Granting water supply works approvals – Rules to protect base flows in rivers and groundwater-dependent ecosystems (GDEs)</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p> <p>These rules do not apply if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a high priority groundwater dependent ecosystem (GDEs) (non Karst) as identified within the Plan: <ul style="list-style-type: none"> ○ 100 m in the case of a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work (bore) used to extract for uses other than basic landholder rights. ▪ Water supply works (bores) are not to be located within 40 m from the top of the high bank of a river or stream. ▪ The Minister may increase the distance rules above for any high priority GDE if the Minister is satisfied that drawdown is likely to occur within these distances. ▪ The distance of a water supply work (bore) from a GDE may be varied if the Minister is satisfied that no drawdown will occur at the perimeter of any GDE listed in the Plan or that a lesser distance would result in no greater impact on this water source and its GDEs. ▪ These specified distances may be amended in the Plan, or high priority GDEs may be added to or removed from the Plan based on further studies of groundwater ecosystem dependency undertaken by the Minister.
<p>Granting water supply works approvals – Rules to protect groundwater dependent culturally significant sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work or if the bore replaces an existing bore that is part of a bore network of a major or local water utility for the purpose of town water supply.</p>	<ul style="list-style-type: none"> ▪ Water supply works (bores) are not to be located within the following distances of a groundwater dependent culturally significant site: <ul style="list-style-type: none"> ○ 100 m from a water supply work used to extract basic landholder rights; or ○ 200 m from a water supply work that is used to extract for uses other than basic landholder rights. ▪ Where a culturally significant site is also a high-priority GDE, the more restrictive distance restriction applies to the granting or amendment of a water supply work approval. ▪ These distance restrictions do not apply if the water supply work is sealed off to the nearest impervious layer or if the Minister is satisfied that the location of the bore at a lesser distance would result in no greater impact on the groundwater source and its groundwater dependent culturally significant sites.

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Managing temporary local impacts	<ul style="list-style-type: none">▪ Section 324 of the <i>Water Management Act 2000</i> 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 GDEs; or○ to maintain pressure, or to ensure pressure recovery, in an aquifer.
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More information about the planning process for the Richmond River Area Regulated, Unregulated and Alluvial Water Sources is available at: www.industry.nsw.gov.au/water

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Water Sharing Rules

Wyrallah Area Water Source

Water Sharing Plan	
Plan	Richmond River Area Unregulated, Regulated and Alluvial Water Sources
Plan Commencement Date	October 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 for the Wilsons River Tidal Pool Management Zone

Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when salinity levels (as measured on the low tide at the reference point) rise above 2 parts per thousand (ppt) for 5 consecutive days. ▪ Pumping may commence again when salinity levels (as measured on the low tide at the reference point) fall from 2 ppt or greater to between 2 ppt and 0.3 ppt for 5 consecutive days. ▪ Pumping may commence immediately when salinity levels (as measured on the low tide at the reference point) fall from 2 ppt or greater to 0.3 ppt or less. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.
Pumping restrictions	<ul style="list-style-type: none"> ▪ If salinity levels have remained between 1 and 2 ppt (as measured on the low tide at the reference point) for five consecutive days, pumping is permitted for a maximum of 10 hours per day. ▪ If salinity levels fall from between 2 and 1 ppt (as measured on the low tide at the reference point) to below 1 ppt and remain there for 5 consecutive days, then pumping is no longer restricted. ▪ If salinity levels have fallen from between 2 and 1 ppt (as measured on the low tide at the reference point) to below 0.3 ppt, unrestricted pumping can commence immediately. ▪ Holders of an access licence who have been accredited under the Efficient Water Use Accreditation Scheme, are not subject to the pumping restrictions. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river.

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Reference point	Salinity gauging station at Coraki in the Coraki Area Water Source
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Access Rules for the Wyrallah Non Tidal Management Zone	
Cease to pump	<ul style="list-style-type: none"> ▪ All access licence holders must cease to pump when there is no visible flow in the vicinity of the pump site. ▪ NB: From year 6 of the Plan the cease to pump condition will apply to aquifer access licences extracting from all alluvial aquifers within 40 m of an unregulated river. ▪ For an aquifer access licence, no visible flow in the vicinity of the pump site shall be taken to mean no visible flow in the river immediately adjacent to the water supply work.
Reference point	Pump site

Trading rules for the Wilsons River Tidal Pool Management Zone	
INTO management zone	Permitted subject to assessment from Leycester Creek, Terania Creek, Bangalow Area, Coopers Creek, Upper Richmond River, Gradys Creek, Kyogle Area, Eden Creek, Doubtful Creek, Toonumbar Area, Coraki Area, Sandy Creek, Myrtle Creek, Myall Creek, Shannon Brook, Double Duke water sources and the Wyrallah Non Tidal Management Zone. Trading into the Wyrallah Area and Coraki Area water sources is permitted up to a volume of 2,000 ML in total.
WITHIN management zone	Permitted, subject to assessment
Conversion to High Flow Access Licence	Not permitted
Conversion to Aquifer Access Licence	Permitted, subject to assessment
Trading rules for the Wyrallah Non Tidal Management Zone	
INTO management zone	Permitted subject to assessment from Leycester Creek, Terania Creek, Bangalow Area, Coopers Creek, Upper Richmond River, Gradys Creek, Kyogle Area, Eden Creek, Doubtful Creek, Toonumbar Area, Coraki Area, Sandy Creek, Myrtle Creek, Myall Creek, Shannon Brook, Double Duke water sources and the Wilsons River Tidal Pool Management Zone as long as there is no net increase in entitlement in this management zone.
WITHIN management zone	Permitted, subject to assessment
Conversion to High Flow Access Licence	Not permitted
Conversion to Aquifer Access Licence	Permitted, subject to assessment

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Managing Groundwater Alluvial Access Licences	
<p>Granting water supply works approvals – rules to minimise interference between neighbouring bores</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New water supply works (bores) are not to be located within the following distances of existing water supply works (bores): <ul style="list-style-type: none"> ○ 400 m from an water supply work (bore) that is nominated by another access licence on another landholding; ○ 200 m from a water supply work (bore) that is used to extract basic landholder rights (BLR) on another landholding; ○ 100 m from the boundary (unless negotiated with neighbour); ○ 500 m from a water supply work (bore) nominating a local or major utility access licence; or ○ 100 m from a water supply work (bore) that is used by the Office for monitoring purposes (unless agreed to by the Office). ▪ The distances 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 a lesser distance will have no more than minimal impact on existing extractions within the water source.
<p>Granting water supply works approvals – Rules to manage location of bores away from contaminated sites</p> <p>These rules apply to new bores.</p> <p>These rules do not apply to replacement bores.</p> <p>These rules do not apply to a bore which is solely for basic landholder rights.</p> <p>These rules do not apply to bores constructed for the purpose of monitoring, environmental management or remedial work.</p>	<ul style="list-style-type: none"> ▪ New bores are not to be located within 250 m of contaminated sites as identified within the Plan. ▪ Granting of an approval for a new water supply work (bore) located within 250 – 500 m of contaminated sites identified within the Plan will require evidence that no drawdown of groundwater within 250 m of the contamination source will occur, and the approval of the Minister. ▪ Granting of an approval for a new water supply work (bore) located greater than 500 m from a contaminated site may be restricted if the Minister determines it necessary to protect the water source, environment or public health or safety. ▪ The Minister may vary these rules if an applicant can demonstrate there will be no more than minimal harm to the groundwater source, no impact on the environment and no threat to public health ▪ These rules may also be applied to contaminated sources not identified within the Plan, but which are identified as a result of a site inspection or other relevant information provided to the Minister. ▪ Contaminated sites may be added or removed from the Plan by the Minister based on results of a site inspection or other relevant information provided to the Minister on a contamination source.

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