

**Submission****GW045**

Recorded Date	10/07/2022 21:05
Response ID	R_22KCKVbT403kLAD
Confidentiality instruction - publishing submission externally	I give permission for the department to publish my name with my submission on the department's website.
Confidentiality instruction - sharing submission internally within department	I give permission for my name and email to be shared within the department.
Submission choice - file upload or complete survey	I wish to upload a file containing my submission rather than complete this survey
File upload - instead of completing survey - ID	F_2eQYKLakilN8zHS
File upload - instead of completing survey - Name	ground water.docx
File upload - instead of completing survey - Size	12400
File upload - instead of completing survey - Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document
Thinking about your relationship to groundwater, which of the following user groups or parts of the - Selected Choice	General public
Thinking about your relationship to groundwater, which of the following user groups or parts of the - Other (please specify) - Text	
In which region are you located	Greater Sydney
* How important is it for you to access groundwater as a resource	Very important
* To what extent do you agree with the following statements - Groundwater is important for basic human needs (drinking, cooking)	Strongly agree
* To what extent do you agree with the following statements - Groundwater is important for stock watering	Agree
* To what extent do you agree with the following statements - Groundwater is important for Aboriginal communities and Country	Strongly agree
* To what extent do you agree with the following statements - Groundwater is important for agriculture	Agree
* To what extent do you agree with the following statements - Groundwater is important for the environment	Disagree
* To what extent do you agree with the following statements - Groundwater is important for industrial businesses (including mining)	Strongly agree
* To what extent do you agree with the following statements - Groundwater is important for manufacturing (water bottling, food processing and others)	Neutral
* Please indicate what you think NSW's groundwater needs will look like over the next 20-40 years.	More than current needs

* Which part/s of the community do you think will have the greatest change in their groundwater need	Households
* Do you think you should change the way you will use groundwater in the future	No, it hasn't even crossed my mind
* How well do you know the NSW groundwater management framework, rules and legislation	Unsure
* Please rank the 4 key issues affecting groundwater management in NSW from most important to least - Our climate is changing, and groundwater recharge and demands will be affected	3
* Please rank the 4 key issues affecting groundwater management in NSW from most important to least - The risks to groundwater from development and land use change are increasing	2
* Please rank the 4 key issues affecting groundwater management in NSW from most important to least - Community notions of sustainability and fair access to groundwater have evolved	4
* Please rank the 4 key issues affecting groundwater management in NSW from most important to least - Our understanding of groundwater, its behaviour and use is improving	1
Please tell us of any other challenges that are affecting groundwater management in NSW	Pollution, drought, running out of ground water, pollution
* Please rank these challenges in order of importance, where 1 = Most important and 4 = Least import - Our policy framework for sustainable groundwater management needs to be updated to be more responsive to emerging challenges such as climate change	3
* Please rank these challenges in order of importance, where 1 = Most important and 4 = Least import - Ecosystems that depend on groundwater face increased threats such as intensive groundwater extraction and pollution	4
* Please rank these challenges in order of importance, where 1 = Most important and 4 = Least import - There is a lack of strategic integration between management of groundwater, surface water and land	1
* Please rank these challenges in order of importance, where 1 = Most important and 4 = Least import - Threats to the quality of groundwater resources are increasing over time and these need to be addressed	2
Please tell us any other challenges you think will affect the protection of groundwater resources an	The inability to refill ground water

* How important for you is the protection of groundwater resources and the ecosystems that depend on	Very important
* To what extent do you agree with draft action 1.1?	Agree
* To what extent do you agree with draft action 1.2?	Strongly agree
* How important to you are each of the following sub-actions required under Action 1.2? - Refresh and expand our approach to sustainable groundwater management	Neutral
* How important to you are each of the following sub-actions required under Action 1.2? - Manage groundwater and surface water together	Very important
* How important to you are each of the following sub-actions required under Action 1.2? - Integrate groundwater considerations into land use planning decisions	Important
* How important to you are each of the following sub-actions required under Action 1.2? - Improve management of large developments impacting groundwater	Very important
* How important to you are each of the following sub-actions required under Action 1.2? - Strengthen cross-border groundwater management	Very important
* To what extent do you agree with draft action 1.3?	Strongly agree
* How important to you are each of the following sub-actions required under Action 1.3? - Review and update our approach to protecting groundwater dependent ecosystems	Very important
* How important to you are each of the following sub-actions required under Action 1.3? - Deliver a program to improve our understanding of groundwater dependent ecosystems	Very important
* To what extent do you agree with draft action 1.4?	Neutral
* How important to you are each of the following sub-actions required under Action 1.4? - Review groundwater source extraction limits using new knowledge	Of minor importance
* How important to you are each of the following sub-actions required under Action 1.4? - Better manage impacts of extraction at a local level	Of minor importance
* How important to you are each of the following sub-actions required under Action 1.4? - Improve clarity around management of groundwater sources with a low long-term entitlement share value	Of minor importance

* To what extent do you agree with draft action 1.5?	Strongly agree
* How important to you are each of the following sub-actions required under Action 1.5? - Review and update our approach to managing groundwater quality	Very important
* How important to you are each of the following sub-actions required under Action 1.5? - Deliver a program to better understand groundwater quality and risks	Very important
Please tell us any other suggested actions you think we should consider in Strategic Priority 1	Refill ground water if possible
* Please rank these challenges in order of importance, where 1 = Most important and 3 = Least import - Increasing demand for groundwater for other uses can undermine its use for town water supply	2
* Please rank these challenges in order of importance, where 1 = Most important and 3 = Least import - New and expanding industries need to consider groundwater opportunities and constraints	1
* Please rank these challenges in order of importance, where 1 = Most important and 3 = Least import - Aboriginal rights to groundwater and Aboriginal uses of groundwater are not adequately recognised	3
Please tell us any other challenge you think will affect community and industry resilience in using	Running out, pollution
* How important is it for you that communities and industries using groundwater resources have a rel	Very important
* To what extent do you agree with draft action 2.1?	Strongly agree
* To what extent do you agree with draft action 2.2?	Agree
* How important to you are each of the following sub-actions required under Action 2.2 - Provide better information on groundwater opportunities and constraints to communities and industries	Neutral
* How important to you are each of the following sub-actions required under Action 2.2 - Enable the increase of sustainable groundwater use in targeted areas	Very important
* How important to you are each of the following sub-actions required under Action 2.2 - Foster innovative groundwater solutions, including Managed Aquifer Recharge (also called 'water banking', to support communities and industries)	Very important

* To what extent do you agree with draft action 2.3?	Strongly agree
* How important to you are each of the following sub-actions required under Action 2.3 - Increase access to groundwater for Aboriginal people	Important
* How important to you are each of the following sub-actions required under Action 2.3 - Protect groundwater-dependent places of significance to Aboriginal communities	Very important
* How important to you are each of the following sub-actions required under Action 2.3 - Better integrate Aboriginal knowledge into groundwater management	Very important
* Do you identify as Aboriginal and/or Torres Strait Islander	Neither
Please tell us what groundwater health and secure groundwater supply means for you, your family, you	
Please tell us about the changes you have seen in groundwater management in your cultural landscape	
Please indicate which of these cultural opportunities you have seen in action in the way groundwater - Selected Choice	
Please indicate which of these cultural opportunities you have seen in action in the way groundwater - Other (please specify) - Text	
Please provide any other comments about cultural opportunities or challenges in groundwater manageme	
What are the most important benefits of cultural and economic opportunities in the water industry - Selected Choice	
What are the most important benefits of cultural and economic opportunities in the water industry - Other (please specify) - Text	
Please provide any other comments about benefits of cultural and economic opportunities and how we r	
Cultural heritage file upload - ID	
Cultural heritage file upload - Name	
Cultural heritage file upload - Size	
Cultural heritage file upload - Type	
Please tell us any other suggested actions you think we should consider in Strategic Priority 2	Refill ground water if possible. Look into creating lakes/rivers large enough for rain/snow effect snow, and use that to refill ground water

* Please rank these challenges in order of importance, where 1 = Most important and 3 = Least import - Being underground and difficult to investigate, information about groundwater is lacking	3
* Please rank these challenges in order of importance, where 1 = Most important and 3 = Least import - There are gaps in our scientific knowledge and research capabilities	1
* Please rank these challenges in order of importance, where 1 = Most important and 3 = Least import - Our groundwater monitoring network is ageing and has limited coverage	2
Please tell us any other challenge you think is affecting the use of information and data to m	
* How important is it for you to have access to more information and data about groundwater manageme	Important
* How interested are you in finding out more about how groundwater is managed and used	Very interested
What ways could the department use to communicate with you and others in your community about ground	
Please tell us what type of information and data about groundwater resources you would like availabl	
* To what extent do you agree with draft action 3.1?	Strongly agree
* To what extent do you agree with draft action 3.2?	Strongly agree
* How important to you are each of the following sub-actions required under Action 3.2 - Expand the range of knowledge and insights products including information systems, platforms and interfaces for storing, managing, accessing and interrogating groundwater data	Important
* How important to you are each of the following sub-actions required under Action 3.2 - Improve and diversify how we communicate information on groundwater resources and their management	Very important
* How important to you are each of the following sub-actions required under Action 3.2 - Support strategic planning and decision-making by councils and groundwater users with improved access to information on groundwater and its management	Very important
* How important to you are each of the following sub-actions required under Action 3.2 - Develop a unified framework to consolidate and analyse all groundwater data across all relevant agencies and groundwater users and impacting activities	Very important

* How important to you are each of the following sub-actions required under Action 3.2 - Support data and database integration across agencies to address data gaps and improve customer service delivery	Important
* To what extent do you agree with draft action 3.3?	Strongly agree
* How important to you are each of the following sub-actions required under Action 3.3 - Expand our multi-disciplinary understanding of groundwater	Very important
* How important to you are each of the following sub-actions required under Action 3.3 - Improve our groundwater models where required	Very important
* How important to you are each of the following sub-actions required under Action 3.3 - Increase our capacity and capability to apply leading groundwater science	Very important
* To what extent do you agree with draft action 3.4?	Strongly agree
* How important to you are each of the following sub-actions required under Action 3.4 - Improve our groundwater monitoring infrastructure	Very important
* How important to you are each of the following sub-actions required under Action 3.4 - Improve our groundwater monitoring programs	Very important
Please tell us any other suggested actions you think we should consider in Strategic Priority 3	Using AI and new technologies
Please provide any final comments	
Any additional material - file upload - ID	
Any additional material - file upload - Name	
Any additional material - file upload - Size	
Any additional material - file upload - Type	
Personal information: name, email - Name	Steven Broussos
Personal information: name, email - Email	
Business name, if responding on behalf of a business - Your business name (if you are responding on behalf of an organisation)	
* How did you hear about this survey? Select all that apply. - Selected Choice	NSW Government announcement
* How did you hear about this survey? Select all that apply. - Other (please specify) - Text	
* What age bracket do you fit into?	25 - 34 years
* How do you describe your gender	Male
* Speak language other than English at home? - Selected Choice	Yes (please specify)
* Speak language other than English at home? - Yes (please specify) - Text	Greek
* Identify as person with disability?	Yes
Text	

Dear NSW,

My submission is the following:

Can we please look into the possibility of refilling the Great Artesian Basin using desalinated water or other ground water sources? Or using new lakes or rivers to refill ground water sources? Especially if new rivers could contribute to lake effect rain/snow?

Thank You