



**Climate Impacts:
The link between water and health**

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1

The relationship between water and health is a shared value

Water filters in 2021



2

The relationship between water and health is a shared vulnerability

“Progress on Goal 6 is alarmingly off track”

6 CLEAN WATER AND SANITATION



2.2 billion people around the world still lack clean drinking water

Climate change will derail this further



Clean water access is not equal

‘A female Aboriginal elder on one of the communities said to me ...

‘How can we wash hands when we don't have hand basins that work and we don't have showers that work and we don't have the infrastructure?’ You can have all these great programs and all these great ads on TV, but if you don't have the basic infrastructure enabling those people to wash their hands, then all you're doing is just basically offending them’ (Indigenous organisation #1).

Hall, N.L., 2019. Challenges of WASH in remote Australian Indigenous communities. *Journal of Water, Sanitation and Hygiene for Development*, 9(3), pp.429-437.



High disease burden due to unclean water in remote communities

Floods can amplify health risks

Day 0 in
Brisbane
following
the 2013
floods

National






This was published 8 years ago

Drenched Brisbane faces drinking water crisis

By [Nick Ralston](#)

January 30, 2013 – 3.00am

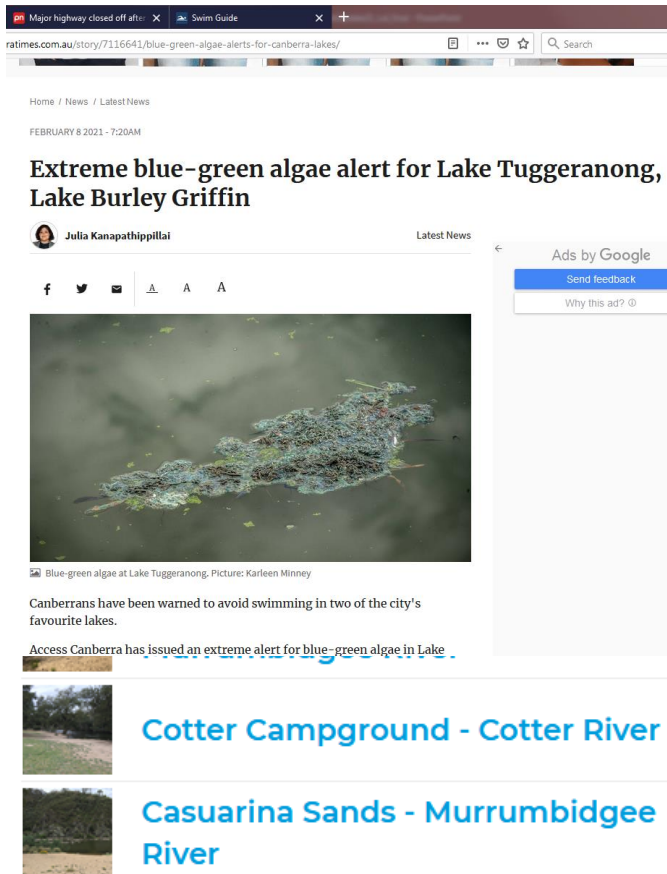


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THE devastation caused by ex-cyclone Oswald in Queensland and northern New South Wales will continue for days, with thousands of homes inundated, entire communities isolated and the possibility that Brisbane could run out of drinking water.

Floods can amplify health risks

Floods can result in high levels of bacteria and other pathogens being flushed



Major highway closed off aft... Swim Guide

ratimes.com.au/story/7116641/blue-green-algae-alerts-for-canberra-lakes/

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FEBRUARY 8 2021 - 7:20AM

Extreme blue-green algae alert for Lake Tuggeranong, Lake Burley Griffin

Julia Kanopathippillai Latest News

Blue-green algae at Lake Tuggeranong. Picture: Karleen Minney





Canberrans have been warned to avoid swimming in two of the city's favourite lakes.

Access Canberra has issued an extreme alert for blue-green algae in Lake

Cotter Campground - Cotter River

Casuarina Sands - Murrumbidgee River

SEE ALL

Location	Water Quality
Stromlo, Canberra, Australian Capital Territory	 Current Status
Stromlo, Canberra, Australian Capital Territory	 Current Status
Stromlo, Canberra, Australian Capital Territory	 Current Status
Stromlo, Canberra, Australian Capital Territory	 Current Status

Floods after fires can impact drinking water

Residents of bushfire-ravaged Bega Valley rely on carted water after flooding

Water is being trucked to several NSW south coast mobile treatment plant is filtering water at the



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Queensland and NSW drinking water hit by floods and fire but authorities say most areas are safe

By The Specialist Reporting Team's [Brooke Wylie](#)

Posted Fri 14 Feb 2020 at 5:10am, updated Fri 14 Feb 2020 at 4:04pm



Over 50% of all boil water notices for drinking water issued in New South Wales between 2013 and 2020 were recorded in 2020 following the fires



**Mogo creek, December
2020**

3

The relationship between water and health is a shared responsibility

Hydropanels

Portable water filtration

New hydropanel technology providing water for remote communities

by Cecilia Harris — 25/05/2020 in Innovation



Unloading the hydropanels. (Image: Central Desert Regional Council)

2 min read

In a bid to address water supply challenges in remote Australian communities, a trial of novel 'hydropanel' technology is set to launch in Yuelamu, 300 km north-west of Alice Springs.

The hydropanels use solar power to collect water vapour from the air, which is mineralised by adding calcium and magnesium. The water is then placed into containers before being used for a range of purposes.



Closing thoughts...

To develop systems that are resilient and sustainable in the long term, health as *defined by the impacted communities* need to be at the heart of our solutions



Thank you

