

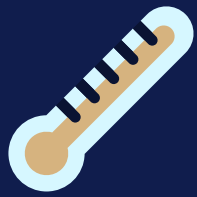


# The Melt

## SEA-LEVEL RISE AND CLIMATE CHANGE

"Modelling now very clearly shows that even if carbon dioxide emissions were rapidly reduced today, the climate system has enough momentum to continue to cause sea-level rises at their current unrelenting pace for at least the next 150 years."

**Dr Simon Albert, Environmental Engineer, The University of Queensland.**



# 82cm



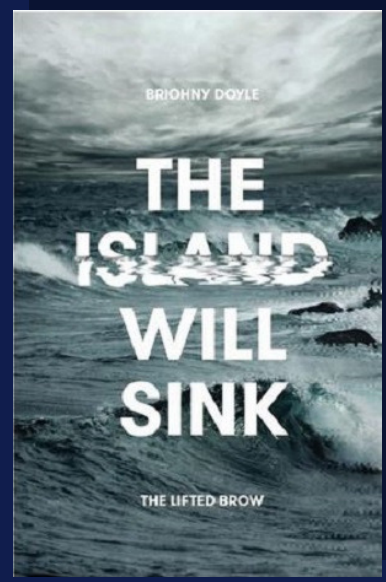
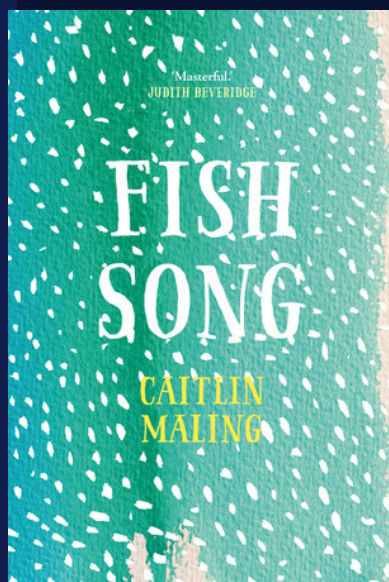
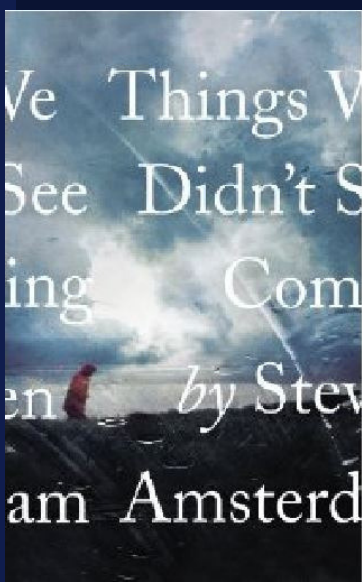
Oceans around Australia are forecast to rise between 2.8 and 5.1°C by 2090, contributing to longer and more frequent marine heatwaves that harm sea life.

Global sea levels are expected to increase by 45 to 82 cm by 2090, posing the threat of flooding to coastal areas.

Seawaters around Australia are becoming more acidic, as the oceans absorb some of the CO2 released by human activities.

## LEARN MORE

from resources available on the Austlit Australian literature database.







# The Red Heat

## GLOBAL WARMING AND DROUGHT

"The word drought conjures up images of dusty paddocks; dry, cracked dam bottoms; and skeletal stock. Drought equals destruction and ruin - of our land, our animals, our income, our families."

**Fleur McDonald, The Drum, ABC News.**



With the effects of Climate Change, rainfall is forecast to decline, temperatures will continue to rise and the time spent in drought will increase. This will impact water resources, our ability to produce food, increase the regularity of bush fires and will harm wildlife.

# 58%

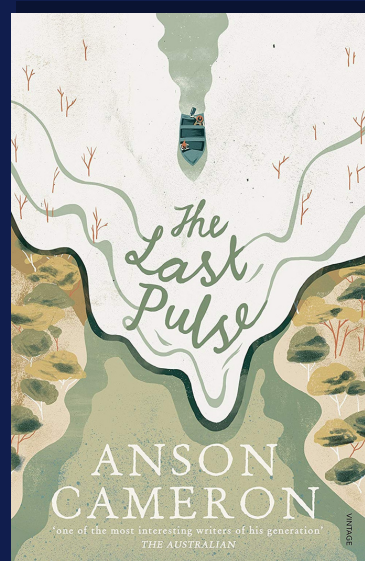
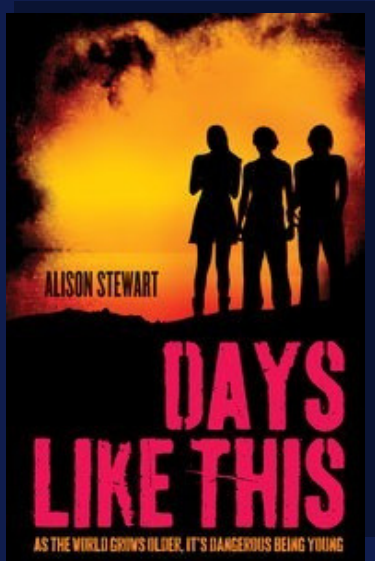
of Queensland in 2019 suffered from prolonged and severe drought conditions. In 2017, the figure was 87%.



Droughts can have wide ranging effects on humans and their health, including impacts on nutrition, infectious diseases, respiratory conditions caused by air pollution, and on mental health.

## LEARN MORE

from resources available on the Austlit Australian literature database.





# The Fight

## YOUTH CLIMATE CHANGE ACTIVISM

"We can't change the world by playing by the rules, because the rules have to be changed. Everything needs to change, and it has to start today."

**Greta Thunberg, Youth Climate Activist, TEDx Stockholm.**



**300k +**



Students have been boycotting school to protest against climate change inaction by governments since activist Greta Thunberg began her 'School Strike for Climate' campaign in August 2018.

In September 2019, more than 300,000 Australian school and university students, families and workers took to the streets of their cities and towns to protest climate change inaction.

Leader of the youth activist movement Greta Thunberg was just 15 years old when she began her global activism campaign.

## LEARN MORE

from resources available on the Austlit Australian literature database.

