



CLIMATE CHANGE TAKEN INTO ACCOUNT

FACT – Traveston Crossing Dam will yield 70,000 million litres annually after taking climate change, irrigators’ entitlements, evaporation, seepage and environmental flows into account

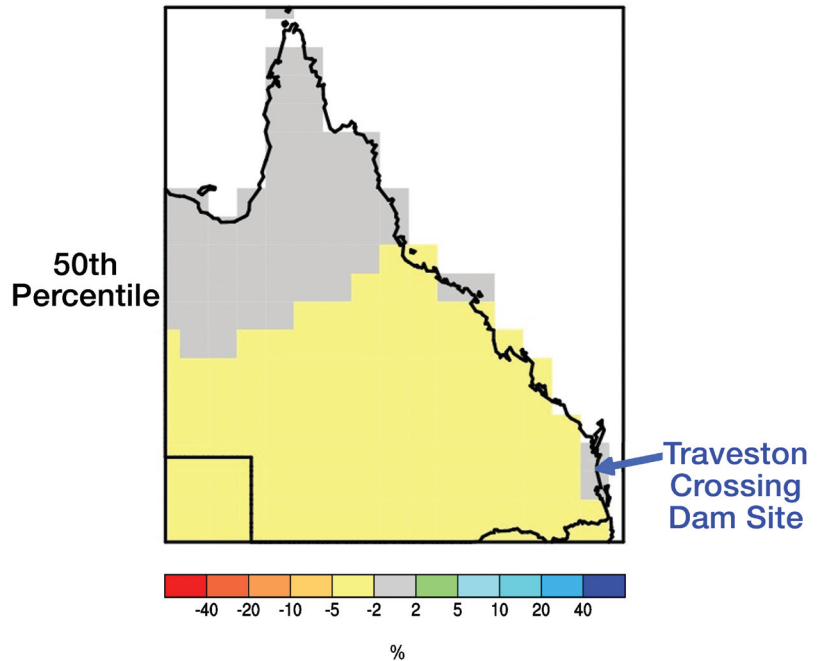
The adopted prudent yield for the Traveston Crossing Dam provides a potential buffer of up to 27,300 million litres per year for climate change and/or additional environmental requirements, based on 99 percent monthly reliability.

Climate change, downstream users’ entitlements and appropriate environment flows have been incorporated in assessing the dam’s ability to provide a yield of 70,000 million litres per year.

FACT – As shown in a 2007 CSIRO Report, the location of the dam catchment is in one of the areas in Queensland where rainfall will be least affected by climate change

The Bureau of Meteorology and CSIRO (2007) report, *Climate Change in Australia – Technical Report 2007*, which estimates mean annual rainfalls into the future. In the Traveston Crossing Dam catchment, it shows a comparatively small change of plus or minus 2 percent in annual rainfall (as highlighted in the map) in the conservative high emissions scenario (50th percentile).

Predicted change in average annual rainfall at 2030



CSIRO projected rainfall impacts for 2030 show the dam is located in an area least affected by climate change.

The data demonstrates that projected changes for average annual rainfall due to climate change in the Traveston Crossing Dam Environmental Impact Statement are appropriate.

FACT – Climate change has been incorporated into the planning for the Traveston Crossing Dam

Climate change has been actively incorporated into the strategic and project specific planning for the Traveston Crossing Dam.

CSIRO has confirmed the modelling “approach and assumptions are reasonable; the assessment methodology is robust; and the conclusions are relevant and appropriate to the assessment of potential impacts of Traveston Crossing Dam.”

“...QWI’s consultants, SKM, had undertaken a comprehensive assessment of the sensitivity of the Mary River catchment to potential climate change including the assessment of the potential impacts of Traveston Crossing Dam.”

Need more information?

Refer to Chapter 6 from the Traveston Crossing Dam Environmental Impact Statement:
www.qldwi.com.au/TravestonCrossingDam/ApprovalProcess/EnvironmentallImpactStatement.aspx

