

Reconnecting River Country Program

Modelling to inform decision making



Murrumbidgee River near Collingullie

Modelling plays a critical role in the development of the Reconnecting River Country Program in the Murrumbidgee and Murray River systems.

Comprehensive hydraulic modelling, checked against satellite imagery and aerial photography collected during several high flow events, has been used to develop interactive maps showing the estimated upper limits of the flow options (with buffer) being considered by the program.

Modelling for inundation mapping

This interactive mapping can be viewed at water.nsw.gov.au/rrcp-inundation-mapping. It enables landholders and other stakeholders to get a greater understanding of the periodic and low-level inundation along the proposed flow corridors that would occur during higher environmental flows.

Two types of maps are available:

- interactive, online maps of the entire program area showing the estimated upper limits of inundation associated with the flow options
- higher resolution property-scale maps are also available for potentially affected landholders via an application process. These property-scale maps include aerial imagery, property-scale inundation, property boundaries and infrastructure.

View a recording of the program's introduction to modelling webinar at dpie.nsw.gov.au/rrcp-infohub

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Improved mapping

The interactive mapping is a major improvement on previous modelling used for constraints management projects in the past and is the result of significant investment by the Australian and NSW Governments.

Development of the inundation mapping has involved an extensive data collection program providing high-quality inputs to model development and calibration, as well as desktop analysis against aerial photography and satellite imagery.

Work is underway to further ground truth and validate these provisional products with landholders and other stakeholders. The mapping will be updated and refined over time in response to this feedback.

Landholder engagement

The program's ongoing landholder and stakeholder engagement activities seek valuable feedback to further shape our mapping and inform the program's development.

If you are a landholder within the proposed flow corridors, register to participate in the program via the online form at dpie.nsw.gov.au/reconnecting-river-country-program

Acknowledgement

The NSW Department of Climate Change, Energy, the Environment and Water acknowledges we stand on Aboriginal land. We acknowledge the Traditional Custodians of the land, and we show our respect for Elders past and present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are socially, culturally and economically included.

Find out more

To find out more about upcoming consultation opportunities please contact us or get in touch with your local engagement officer.

- visit dpie.nsw.gov.au/reconnecting-river-country-program
- phone **1300 081 047**
- email water.enquiries@dpie.nsw.gov.au
- subscribe for updates at water.nsw.gov.au/RRCPUupdates
- get in touch with your local engagement officer.



Reed Beds Bird Hide near Mathoura