



CIVIL | WATER | ENVIRONMENT

AGRICULTURE

Consider it done

COMPANY OVERVIEW

WMS is a specialist engineering consultancy firm providing high-quality solutions to hydraulic design, water resources and floodplain management problems, with offices in Brisbane, Sydney, Melbourne and Cairns. WMS offers Floodplain Impact Assessments for agriculture, protecting crops with expert flood solutions.

WITH US YOU CAN CONSIDER IT DONE

WMS has been working collaboratively with farmers and their consultants to achieve retrospective approvals across rural NSW since 2012. We have a strong working knowledge of the Floodplain Management Plans and floodplain works approvals process, and have gained the trust of WaterNSW and NSW DPE. Specialising in Floodplain Assessments and analysis, we can provide a range of services to ensure floodplain works such as levees and dams are designed and constructed in accordance with state planning guidelines, and similarly, conduct assessments to seek retrospective approvals for existing works.

- Hydrological and hydraulic modelling (1D, 2D)
- Flood impact Assessments
- Flood work approvals
- Hydraulic modelling
- Analysis of impacts of flood works on floodplains.
- Tailored solutions to mitigate flood risks and protect farmland and agricultural lands.
- Community and Stakeholder engagement
- Ongoing support and monitoring to address evolving flood risks and ensure long-term resilience.



CONTACT US

BRISBANE

Blake Boulton

+61 413 790 406

Fortitude Valley QLD 4006

blake.boulton@wmseng.com.au

SYDNEY

Catherine Walker

+61 419 975 521

Marrickville NSW 2204

catherine.walker@wmseng.com.au

MELBOURNE

Jacqueline Woodlock

+61 438 780 049

Docklands VIC 3008

jacqueline.woodlock@wmseng.com.au

NORTH QUEENSLAND

Iain Brown

+61 408 014 631

Cairns QLD 4870

ian.brown@wmseng.com.au



www.wmseng.com.au

PROJECT EXPERIENCE:

BAROMA PARK LEVEL ASSESSMENT:

WMS was engaged by SMK to assist with hydraulic modelling and assessment of flood works on the property known as “Baroma Park”.

Roads and levees were ‘enforced’ to ensure their crest levels are accurately represented in the model, and drains/ditches had their invert levels similarly enforced. Modelling results were able to ascertain whether to present the results from the various application scenarios separately or combined to support the applications in progress.



GLEN PRAIRIE FLOOD MODELLING:

WMS was commissioned by SMK Consultants to assist with hydraulic modelling and assessment of mitigation measures on the property known as ‘Glen Prairie’. Glen Prairie is a farmland located immediately north of Moree, in the Gwydir Valley region of NSW. In October 2022, a succession of levee banks was overtopped within Glen Prairie and adjoining land, causing extensive damage to citrus and cotton crops from both erosion and siltation.

The Flood Study replicated the 2022 flood extent and behaviour observed through Glen Prairie and trial several mitigation options to widen the central floodway and prevent overtopping of adjoining levee banks.



“

Peter from SMK concedes that WMS’s relationship with Water authorities is a big draw card. He explains that there are a limited number of companies offering water modelling on the complex and large scale needed in rural NSW, and ‘there’s only certain companies that Water NSW will accept on their word’ WMS has developed a reputation for being one of those companies

