



Craig Thornton

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www.brigalowcatchmentstudy.com

Summary

Within the Fitzroy basin, Queensland, Australia, fifty years of monitoring rainfall and runoff has been undertaken at the long-term Brigalow Catchment Study, quantifying pre-European catchment hydrology and the changes in hydrology when the native brigalow landscape is cleared for long-term cropping or grazing. Monitoring and interpretation of water quality variables from catchments converted from brigalow scrub to long-term cropping and grazing will increase understanding of total suspended solids, nutrient and pesticide dynamics; and provide an estimation of the additional water quality loads induced by land use change when contrasted to the estimation of pre-European water quality.

Research Expertise

- Hydrology
- Soil fertility
- Water quality
- Land use change
- Brigalow Belt Bioregion