

Queensland Flood Risk Management Framework (QFRMF)  
**Metrics Annual Report: 2021-2022**



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Cover image: Maryborough flooding 2022.  
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# Overview

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## Supporting measurable improvements in flood risk management

The [Queensland Flood Risk Management Framework \(QFRMF\)](#) sets the direction for flood risk management statewide, outlines roles and responsibilities, and guides and support decision-making by councils.

Five metrics have been developed to support measuring improvements in flood risk management and resilience for all Queensland communities. Each metric seeks to capture aspirations of Flood Risk Management (FRM) practices prescribed under the QFRMF. The metrics have been developed by the Queensland Reconstruction Authority (QRA) in consultation with stakeholders.

These metrics have been measured for all local government areas statewide to develop the 2020-2021 baseline metrics report. Annual progress reports against the baseline metrics will be presented to the Queensland Resilience Coordination Committee (QRCC). The first report will focus on projects and funding being delivered between 1 July 2021 to 30 June 2022.

## Metrics Baseline Report 2020–2021

The Queensland Flood Risk Management Framework (QFRMF) Metrics Baseline Report provides data on activities undertaken between 1 July 2020 to 30 June 2021. Progress will be measured against this baseline annually to monitor change in Flood Risk Management (FRM) practices prescribed under the QFRMF.

## Website

Information about the flood risk metrics is available on the Queensland Reconstruction Authority website at: [www.qra.qld.gov.au/flood-risk/metrics](http://www.qra.qld.gov.au/flood-risk/metrics)

The Queensland Flood Risk Management Framework is available at: [www.qra.qld.gov.au/QFRMF](http://www.qra.qld.gov.au/QFRMF)

## Data sources

The data sourced for the baseline report involved both qualitative and quantitative analysis, and included desktop studies, analysis of existing datasets, and engagements with councils. The QRA notes there are some limitations in the amount of local data available in some local government areas, in particular for flood studies, councils local planning and land use, and the use of flood intelligence systems.

## Contact

For queries about this report please contact the Queensland Reconstruction Authority Flood Risk Management team at: [floodteam@qra.qld.gov.au](mailto:floodteam@qra.qld.gov.au)

# Annual Report: 2021–2022

The Queensland Flood Risk Management Framework (QFRMF) Annual Report provides data on activities undertaken between 1 July 2021 to 30 June 2022. Progress will be measured against the 2020-2021 baseline annually to monitor change in Flood Risk Management (FRM) practices prescribed under the QFRMF.

Annual investment in Flood Risk Management	Increase in the investment in preparing for and preventing the detrimental impacts of flooding on our communities	M1a	Annual investment (AUD\$) in Flood Risk Management	\$436,687,667
		M1b	Percentage of M1a allocated following a significant event	90%
Risk-based land use planning	Land use planning decisions consider natural hazards and mitigate risks to ensure long-term sustainability of our communities	M2a	Number of councils with SPP2017 compliance Natural hazards, risk and resilience	69
		M2b	Area of residential zoned land within the QFAO 1% AEP extent	110,170 ha
Flood study coverage	Flood risk is understood for current and future conditions	M3a	LGAs with full coverage of level 3 flood studies	6
			LGAs that have some level 3 flood studies with some gaps	9
			LGAs consists of no level 3 flood studies	63
M3b	Value (AUD\$) of investment in flood studies that year	\$1,804,750		
Accessible flood information	Flood information is publicly available and accessible	M4a	Number of councils providing outputs of flood studies on their website	22
		M4b	Number of councils with property level information portals	5
		M4c	Number of councils with disaster dashboards	65
Flood Warning Infrastructure	Queensland has a best practice network to prepare for and respond to flooding	M5a	Total number of river and rain assets for the primary purpose of flood warning	3210
		M5b	Percentage of M5a which are automatic gauges	73%
		M5c	Number of councils utilising a flood intelligence system	19
		M5d	Number of gauges that underwent a change in flood class levels under BoM's annual review	22
		M5e	Total number of new assets (signs, cameras, gauges) installed that year through grant funding	213
		M5f	Total number of creek assets for flood warning purposes for under 6 hrs	–

# Metrics definitions

Five quantifiable measures of Flood Risk Management (FRM) activities have been used to monitor change against the 2020-21 baseline report. Each metric seeks to capture aspirations of FRM practices prescribed under the Queensland Flood Risk Management Framework (QFRMF). Due to project and funding arrangements, the baseline reports will be between 1 July 2020 to 30 June 2021. The annual reports will focus on projects and funding being delivered thereafter.

## Metric

1

### Annual Investment in Flood Risk Management

This metric captures the funding approved for flood risk management activities across the state. This metric is informed by QRA administered grant and funding programs and will include only investment in FRM projects and activities that aim to prevent and/or prepare for flooding. It will also differentiate this investment from that targeted at response and recovery.

## Metric

2

### Risk-based land use planning

This metric monitors the number of councils with a local planning scheme in place, which is compliant with the State Planning Policy 2017 (SPP 2017) and integrated the Natural Hazards Risk and Resilience state interest. “Compliant” is a planning scheme that appropriately integrates the SPP 2017, in its entirety as relevant to the local government. This however, doesn’t consider how risk-based planning is applied and its effectiveness.

## Metric

3

### Flood Study Coverage

This metric seeks to capture the percentage area of habitable floodplains within a Local Government Area (LGA) covered by comprehensive flood studies. A comprehensive flood study utilises 2-dimensional hydrodynamic flood modelling software with a version of that software no older than five years, along with hydrological inputs that were generated using the latest ARR2019 guidelines. Habitable floodplain is defined as populated places of an urban settlement (town or city) and the population indicated by ABS Census 2011 figures.

## Metric

4

### Accessible flood information

This metric captures the number of councils that provide key flood awareness information on their public websites. Flood awareness information for this metric is sourced through desktop research of council’s websites and subsequent council engagement. The metric focuses on the provision of the flood studies, property level information portals, and disaster dashboards.

## Metric

5

### Flood Warning Infrastructure

This metric captures the funding approved for flood risk management activities across the state. This metric is informed by QRA administered grant and funding programs and will include only investment in FRM projects and activities that aim to prevent and/or prepare for flooding. It will also differentiate this investment from that targeted at response and recovery.

[www.qra.qld.gov.au/flood-risk](http://www.qra.qld.gov.au/flood-risk)