

Macintyre Brook and Canning Creek Catchment flood overview

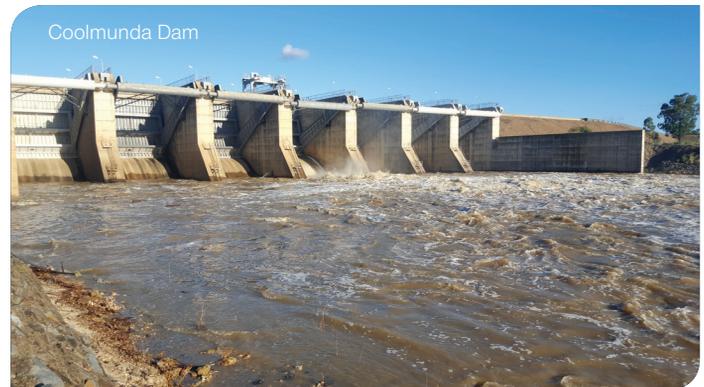
About the catchments and Coolmunda Dam

Macintyre Brook is only half the catchment to Inglewood where Canning Creek joins the Brook. Downstream of Coolmunda Dam, the flows go past Goondiwindi and eventually into New South Wales.

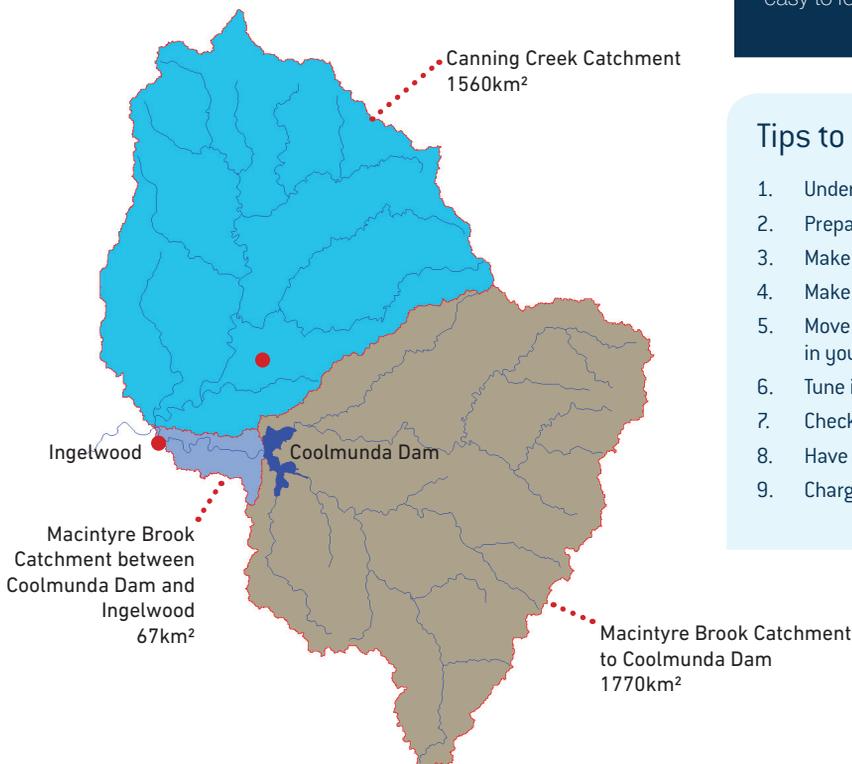
Coolmunda Dam is located in the Macintyre Brook Catchment and is a 69,090 megalitre storage supplying water for the township of Inglewood, stock intensive industries and irrigation in the lower reach of the Macintyre Brook.

When Coolmunda Dam reaches full capacity, further inflows to the dam are automatically passed through the spillway gates to protect the integrity of the dam structure. While the dam was not designed as a flood mitigation dam and does not include a flood mitigation compartment, it does provide a small measure of flood attenuation benefit.

The dam was constructed in 1968 and major floods have occurred before and since construction and will likely happen again.



Macintyre Brook and Canning Creek Catchment map



Preparation

With intense rainfall, floods in Macintyre Brook and Canning Catchments can happen quickly, known as "flash floods".

Rain and river height data can be found on the Bureau of Meteorology (BoM) website www.bom.gov.au. BoM issue flood warnings for Inglewood.

The Get Ready Queensland website www.getready.qld.gov.au/be-prepared provides helpful and easy-to-follow fact sheets to prepare for flooding.

Tips to help you prepare for flooding

1. Understand your flood risk
2. Prepare a household emergency plan
3. Make a list of what you will take if you need to be evacuated
4. Make a list of what you will need if there's no power and water
5. Move photos and insurance documents to a higher point in your home
6. Tune in to warnings
7. Check on your neighbours
8. Have a battery-powered radio and spare batteries available
9. Charge your phone and consider buying a car phone charger

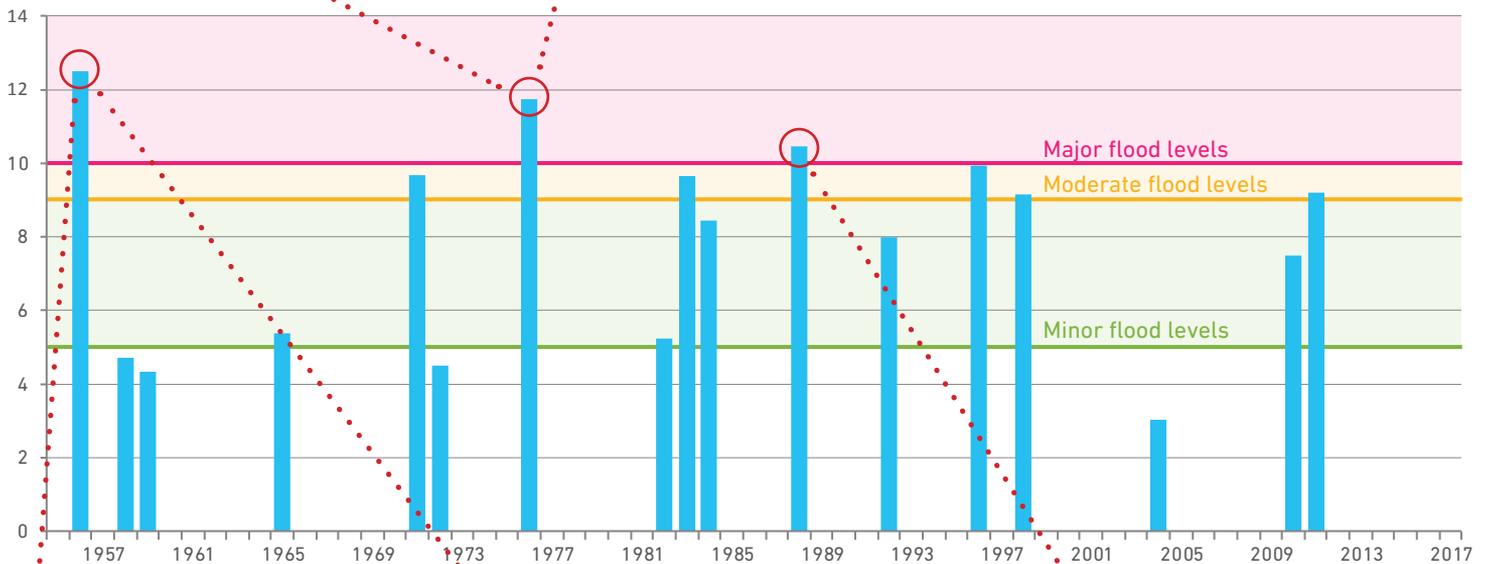
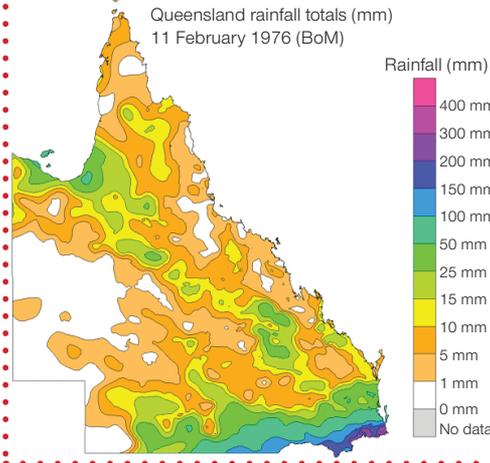
Macintyre Brook and Canning Creek Catchment flood history (as recorded at Inglewood gauging station)

Data courtesy of the Queensland Government Water Monitoring Portal
water-monitoring.information.qld.gov.au

Ex-Tropical Cyclone Alan Flood

February 1976

In early February 1976, Ex-Tropical Cyclone Alan crossed southern Queensland and northern New South Wales. The ex-tropical cyclone gave rise to heavy rainfall on 11 February resulting in 131mm at Woodspring, 134mm at Glenelg Station and 150mm at Melva Station. The resulting flood level was 11.73 metres in Inglewood, the second highest behind 1956.

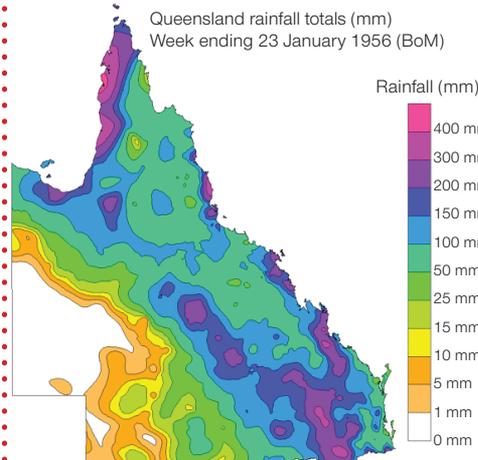


Flood

January 1956

"Heavy rain [e.g. Inglewood 275mm in 16 hours, Leyburn 150mm in 4 hours] gave general 250 to 325mm falls over the central Downs for the 72 hours ending 9am on 23 January 1956. Record river levels were reported at Goondiwindi and Inglewood on 22 January. Macintyre Brook at Inglewood rose more than 3 metres above the level previously thought by engineers to be the flood extreme" (BoM Website Qld, Flood history).

Individual catchment location totals for 21 and 22 January include 267mm at Melva, 381mm at Carbean, 342mm at Glenelg and 298mm at Woodspring.



Flood

April 1988

It rained almost continuously from 1 to 12 April 1988 resulting in flooding in the Inglewood area. This major flood is notable for its relatively low daily rainfall totals in comparison to 1956 and 1976. Widespread totals over the Macintyre Brook and Canning Creek Catchments of around 100mm on 1 April were followed by 50mm on 4 April that fell on a wet catchment. Rainfall continued before a final burst of around 30mm on 12 April which led to a peak of 10.45m.