

Hunter Valley Flood Mitigation Scheme

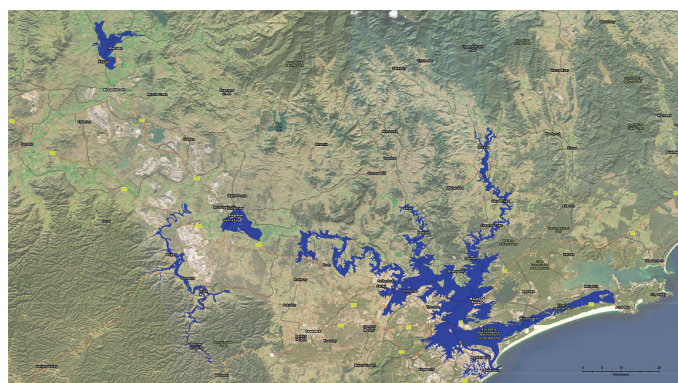
Annual Exceedance Probability (AEP)

The Hunter Valley Flood Mitigation Scheme is designed to mitigate minor to moderate flood risk as an integrated system operating across multiple local government areas, covering urban, peri-urban and rural areas.

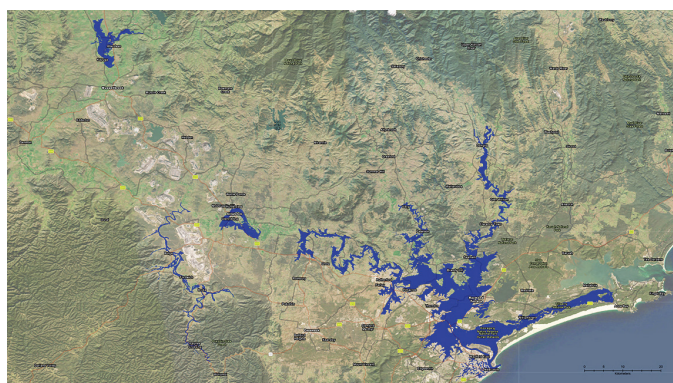
Today the Scheme provides protection for over 250,000 people in the Hunter Valley. The Scheme management is transitioning from a traditional grey infrastructure approach relying on levees, spillways and floodgates, to a holistic approach incorporating both existing grey infrastructure with green infrastructure such as riverbank revegetation and log revetments. This holistic approach is enhancing flood resilience, floodplain management and disaster risk reduction which will be implemented by best practice asset management systems.

The Water Administration Ministerial Corporation is the owner of the Scheme assets, located on the traditional lands of the Awabakal, Wonnarua, and Worimi peoples.

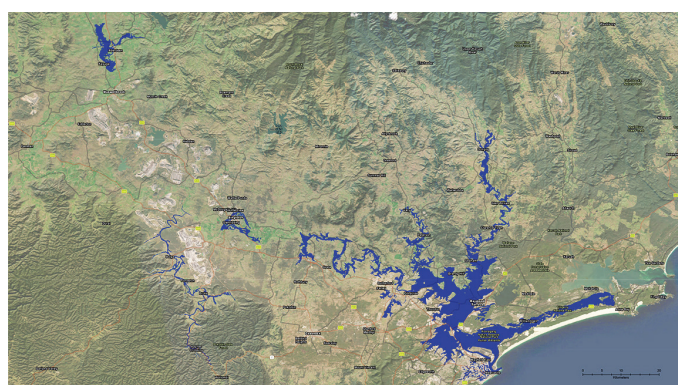
The diagram shows how likely different-sized floods are to happen each year, helping highlight flood risk areas in the Hunter Valley and guide planning for protection and recovery.



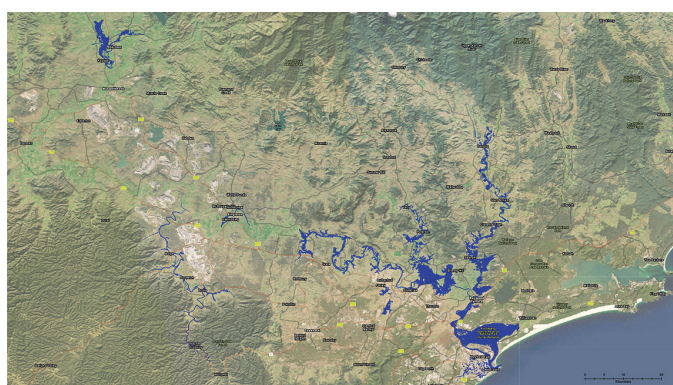
Flood Map 1% – Annual Exceedance Probability (AEP)



Flood Map 5% – Annual Exceedance Probability (AEP)



Flood Map 10% – Annual Exceedance Probability (AEP)



Flood Map 20% – Annual Exceedance Probability (AEP)

Term:
Annual Exceedance
Probability

Shortened form:
AEP

Definition:
The chance of a flood of a given or larger
size occurring in any one year, usually
expressed as a percentage.

Context for use/additional information:
AEP is generally the preferred terminology. ARI is the historical way of
describing a flood event, for example, a 1% AEP flood has a 1% or 1 in 100
chance of being reached or exceeded in any given year.

Contact Us

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