

HOW MUCH RAIN FELL IN WAIHOU PIAKO?

PEAK RIVER FLOW	MAX. AEP (%)	2-1	PEAK RIVER FLOW	MAX. AEP (%)	1	
	MAX ARI (YEARS)	50-100		MAX ARI (YEARS)	100	
	PLACE	Orere		PLACE	Okauia (Waihou) Mellon Rd (Waitoa)	
	FLOW CUMECS	189.9		FLOW CUMECS	329.6 139.3	
24 HOUR RAINFALL	MAX. AEP (%)	5-3	24 HOUR RAINFALL	MAX. AEP (%)	5-3	
	MAX ARI (YEARS)	20-30		MAX ARI (YEARS)	20-30	
	PLACE	Maungakawa		PLACE	Maukoro Landing	
	RAIN (MM)	123.0		RAIN (MM)	141.9	
	LITRES ON A 100M ² ROOF	12,300		LITRES ON A 100M ² ROOF	14,190	

WHAT'S AN ARI?

An annual recurrence interval is sometimes also known as 'return period'. It is the average number of years that it is predicted will pass before an event of a given magnitude occurs. For example, a 50 year ARI event would on average happen every 50 years.

WHAT'S AN AEP?

An annual exceedance probability (AEP) is the probability of an event occurring in any given year. i.e. A 1% AEP means there is a 1% chance in any given year of the event occurring. This means that on average 1 event of this size will occur every 100 years. Therefore, 1% AEP is equal to a 100 year ARI, a 2% AEP is a 50 year ARI, and a 10% AEP is a 10 year ARI.

Both ARI and AEP values are based on statistical calculations and represent the average timing of events. These may not be exact and although relatively unlikely, a number of 1% AEP or 100 year ARI events could occur within the same year.

RECORD RAINFALL

