

## Appendix 8. Temperature metrics for disaggregating thermal time series

From: Dallas HF and Rivers-Moore NA. 2019. Environmental water temperature guidelines for perennial rivers in South Africa. Volume 2: A technical manual for setting water temperature targets. Water Research Commission Report no. TT 799/2/19. Water Research Commission, Pretoria, South Africa.

<b>Annual descriptive statistics</b>		Mean annual temperature (MAT)
		Standard Deviation of MAT
		Annual coefficient of variability
		Mean of annual range
		Standard deviation of annual range
		Mean of annual minima
		Mean of annual maxima
<b>Group 1</b>	Monthly magnitudes	January – December mean, minimum and maximum temperatures
<b>Group 2</b>	Magnitude and duration of annual extreme water temperature conditions	7-day mean
		7, 30 & 90-day minima
		7, 30 & 90-day maxima
<b>Group 3</b>	Frequency and duration (number of successive days of event above or below a threshold)	7-day mean threshold count & duration
		7-day minimum threshold count & duration
		7-day maximum threshold count & duration