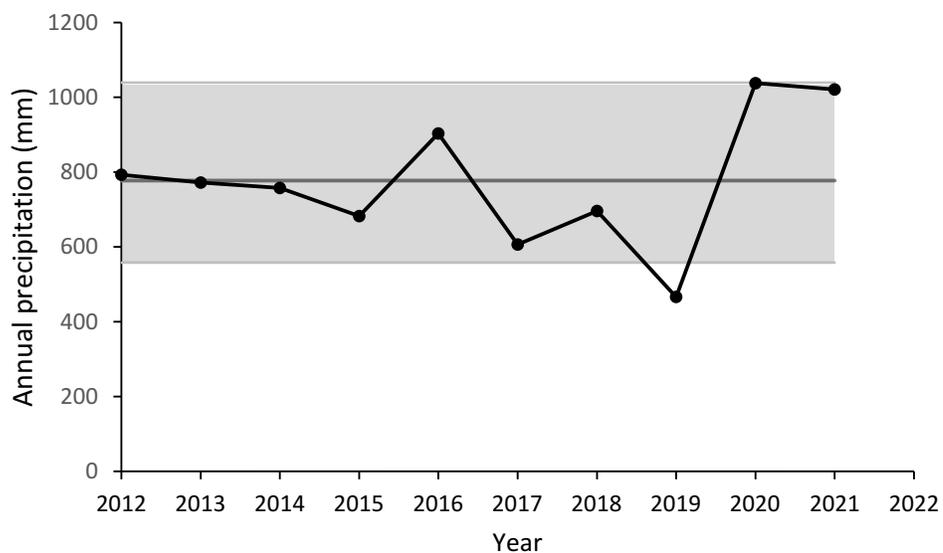


## Supporting information

Keith, D. A, Benson D. H., Baird, I. R.C., Watts, L., Simpson, C. C., Krogh, M., Gorissen, S., Ferrer-Paris, J. R. & Mason, T. J. (2022). Effects of interactions between anthropogenic stressors and recurring perturbations on ecosystem resilience and collapse. *Conservation Biology* (accepted 5/8/2022) [DOI:10.1111/cobi.13995]

### Appendix S3. Study area climatic variation



Precipitation recorded at Lithgow (Coewull) weather station (Australian Bureau of Meteorology station number 63226), approximately 12 km west of the study area. The data are for the decade commencing two years prior to commencement of soil moisture measurements (black line and points), relative to the long term (1879-2021) median (horizontal grey line) and the 10-90<sup>th</sup> percentile range (pale grey shading). All study sites were within a 10 x 5 km area (Appendix S1) and altitudinal range of 990 – 1120 m above sea level (Appendix S2), and hence likely to experience similar temporal patterns of precipitation to those shown above for the station 12 km away at 900 m elevation, although we expect the precipitation levels to be slightly higher at the study site than at the station.