

## Publications for Aaron Greenville

### 2019

Nimmo, D., Avitabile, S., Banks, S., Bird, R., Callister, K., Clarke, M., Dickman, C., Doherty, T., Driscoll, D., Greenville, A., Newsome, T., et al (2019). Animal movements in fire-prone landscapes. *Biological Reviews*, 94(3), 981-998. <a href="http://dx.doi.org/10.1111/brv.12486">[More Information]</a>

Dickman, C., Greenville, A., Newsome, T. (2019). Carnivore conservation: the importance of carnivores to the ecosystem, and the value of reintroductions. In Carolyn Hogg, Samantha Fox, David Pemberton, Katherine Belov (Eds.), *Saving the Tasmanian Devil: Recovery through Science-based Management*, (pp. 1-10). Clayton South, VIC: CSIRO Publishing.

Reside, A., Briscoe, N., Dickman, C., Greenville, A., Hradsky, B., Kark, S., Kearney, M., Kutt, A., Nimmo, D., Pavey, C., et al (2019). Persistence through tough times: fixed and shifting refuges in threatened species conservation. *Biodiversity and Conservation*, 28(6), 1303-1330. <a href="http://dx.doi.org/10.1007/s10531-019-01734-7">[More Information]</a>

Smith, B., Cairns, K., Adams, J., Newsome, T., Fillios, M., Deaux, E., Parr, W., Letnic, M., van Eeden, L., Appleby, R., Greenville, A., Dickman, C., Crowther, M., et al (2019). Taxonomic status and nomenclature of Australia's native canid: the case to retain *Canis dingo* Meyer, 1793. *Zootaxa*, 4564 (1), 173-197. <a href="http://dx.doi.org/10.11646/zootaxa.4564.1.6">[More Information]</a>

### 2018

Potter, T., Greenville, A., Dickman, C. (2018). Assessing the potential for intraguild predation among taxonomically disparate micro-carnivores: Marsupials and arthropods. *Royal Society Open Science*, 5(5), 1-19. <a href="http://dx.doi.org/10.1098/rsos.171872">[More Information]</a>

Greenville, A., Burns, E., Dickman, C., Keith, D., Lindenmayer, D., Morgan, J., Heinze, D., Mansergh, I., Gillespie, G., Einoder, L., Wardle, G., et al (2018). Biodiversity responds to increasing climatic extremes in a biome-specific manner. *Science of the Total Environment*, 634, 382-393. <a href="http://dx.doi.org/10.1016/j.scitotenv.2018.03.285">[More Information]</a>

Greenville, A. (2018). Book Review: The Biology of Deserts. *Austral Ecology*, 43, e20. <a href="http://dx.doi.org/10.1111/aec.12523">[More Information]</a>

Dickman, C., Greenville, A., Wardle, G. (2018). Determining trends in irruptive desert species. In S. Legge, D. Lindenmayer, N. Robinson, B. Scheele, D. Southwell, B. Wintle (Eds.), *Monitoring Threatened Species and Ecological Communities*, (pp. 279-290). Clayton: CSIRO Publishing. <a href="http://dx.doi.org/10.1071/9781486307722">[More Information]</a>

Greenville, A., Brandle, R., Canty, P., Dickman, C. (2018). Dynamics, habitat use and extinction risk of a carnivorous desert marsupial. *Journal of Zoology*, 306(4), 258-267. <a href="http://dx.doi.org/10.1111/jzo.12605">[More

Information]</a>

Crowther, M., Tulloch, A., Letnic, M., Greenville, A., Dickman, C. (2018). Interactions between wildfire and drought drive population responses of mammals in coastal woodlands. *Journal of Mammalogy*, 99(2), 416-427. <a href="http://dx.doi.org/10.1093/jmammal/gyy003">[More Information]</a>

Greenville, A., Nguyen, V., Wardle, G., Dickman, C. (2018). Making the most of incomplete long-term datasets: the MARSS solution. *Australian Zoologist*, 39(4), 733-747. <a href="http://dx.doi.org/10.7882/AZ.2018.018">[More Information]</a>

Potter, T., Stannard, H., Greenville, A., Dickman, C. (2018). Understanding selective predation: Are energy and nutrients important? *PloS One*, 13(8), 1-12. <a href="http://dx.doi.org/10.1371/journal.pone.0201300">[More Information]</a>

### 2017

Greenville, A., Dickman, C., Wardle, G. (2017). 75 years of dryland science: Trends and gaps in arid ecology literature. *PloS One*, 12(4), e0175014. <a href="http://dx.doi.org/10.1371/journal.pone.0175014">[More Information]</a>

Greenville, A., Wardle, G., Dickman, C. (2017). Desert mammal populations are limited by introduced predators rather than future climate change. *Royal Society Open Science*, 4(11), 1-14. <a href="http://dx.doi.org/10.1098/rsos.170384">[More Information]</a>

Dickman, C., Greenville, A., Wardle, G. (2017). Developing the desert - potential effects on wildlife. In Rishard Kingsford (Eds.), *Lake Eyre Basin rivers: environmental, social and economic importance*, (pp. 63-74). Clayton South: CSIRO Publishing. <a href="http://dx.doi.org/10.1071/9781486300792">[More Information]</a>

Lindenmayer, D., Burns, E., Dickman, C., Green, P., Hoffmann, A., Keith, D., Morgan, J., Russell-Smith, J., Wardle, G., Gillespie, G., Greenville, A., Newsome, T., Shine, R., et al (2017). Save Australia's ecological research. *Science*, 357(6351), 557-557. <a href="http://dx.doi.org/10.1126/science.aao4228">[More Information]</a>

Newsome, T., Greenville, A., Letnic, M., Ritchie, E., Dickman, C. (2017). The case for a dingo reintroduction in Australia remains strong: A reply to Morgan et al., 2016. *Food Webs*, 10, 39-41. <a href="http://dx.doi.org/10.1016/j.fooweb.2017.02.001">[More Information]</a>

Newsome, T., Greenville, A., Cirovic, D., Dickman, C., Johnson, C., Krofel, M., Letnic, M., Ripple, W., Ritchie, E., Stoyanov, S., et al (2017). Top predators constrain mesopredator distributions. *Nature Communications*, 8, 1-7. <a href="http://dx.doi.org/10.1038/ncomms15469">[More Information]</a>

### 2016

Frank, A., Wardle, G., Greenville, A., Dickman, C. (2016).

Cattle removal in arid Australia benefits kangaroos in high quality habitat but does not affect camels. *The Rangeland Journal*, 38(1), 73-84. <a href="http://dx.doi.org/10.1071/RJ15039">[More Information]</a>

Greenville, A., Emery, N. (2016). Gathering lots of data on a small budget: Open-source hardware and software technology can redefine data collection. *Science*, 353(6306), 1360-1361. <a href="http://dx.doi.org/10.1126/science.aag3057">[More Information]</a>

Kwok, A., Wardle, G., Greenville, A., Dickman, C. (2016). Long-term patterns of invertebrate abundance and relationships to environmental factors in arid Australia. *Austral Ecology*, 41(5), 480-491. <a href="http://dx.doi.org/10.1111/aec.12334">[More Information]</a>

Greenville, A., Wardle, G., Nguyen, V., Dickman, C. (2016). Population dynamics of desert mammals: similarities and contrasts within a multispecies assemblage. *Ecosphere*, 7(5), 1-19. <a href="http://dx.doi.org/10.1002/ecs2.1343">[More Information]</a>

Greenville, A., Wardle, G., Nguyen, V., Dickman, C. (2016). Spatial and temporal synchrony in reptile population dynamics in variable environments. *Oecologia*, 182(2), 475-485. <a href="http://dx.doi.org/10.1007/s00442-016-3672-8">[More Information]</a>

## 2015

Letnic, M., Laffan, S., Greenville, A., Russell, B., Mitchell, B., Fleming, P. (2015). Artificial watering points are focal points for activity by an invasive herbivore but not native herbivores in conservation reserves in arid Australia. *Biodiversity and Conservation*, 24(1), 1-16. <a href="http://dx.doi.org/10.1007/s10531-014-0770-y">[More Information]</a>

Wardle, G., Greenville, A., Frank, A., Tischler, M., Emery, N., Dickman, C. (2015). Ecosystem risk assessment of Georgina gidgee woodlands in central Australia. *Austral Ecology*, 40(4), 444-459. <a href="http://dx.doi.org/10.1111/aec.12265">[More Information]</a>

Nguyen, V., Greenville, A., Dickman, C., Wardle, G. (2015). On the validity of visual cover estimates for time series analyses: a case study of hummock grasslands. *Plant Ecology*, 216(7), 975-988. <a href="http://dx.doi.org/10.1007/s11258-015-0483-7">[More Information]</a>

Newsome, T., Ballard, G., Crowther, M., Dellinger, J., Fleming, P., Glen, A., Greenville, A., Johnson, C., Letnic, M., Moseby, K., Dickman, C., et al (2015). Resolving the value of the dingo in ecological restoration. *Restoration Ecology*, 23(3), 201-208. <a href="http://dx.doi.org/10.1111/rec.12186">[More Information]</a>

## 2014

Greenville, A., Wardle, G., Tamayo, B., Dickman, C. (2014). Bottom-up and top-down processes interact to modify intraguild interactions in resource-pulse environments. *Oecologia*, 175(4), 1349-1358. <a href="http://dx.doi.org/10.1007/s00442-014-2977-8">[More Information]</a>

Frank, A., Wardle, G., Dickman, C., Greenville, A. (2014). Habitat- and rainfall-dependent biodiversity responses to cattle removal in an arid woodland - grassland environment. *Ecological Applications*, 24(8), 2013-2028. <a href="http://dx.doi.org/10.1890/13-2244.1">[More Information]</a>

## 2013

Greenville, A., Wardle, G., Dickman, C. (2013). Extreme rainfall events predict irruptions of rat plagues in central Australia. *Austral Ecology*, 38(7), 754-764. <a href="http://dx.doi.org/10.1111/aec.12033">[More Information]</a>

Frank, A., Dickman, C., Wardle, G., Greenville, A. (2013). Interactions of Grazing History, Cattle Removal and Time since Rain Drive Divergent Short-Term Responses by Desert Biota. *PloS One*, 8(7), 1-13. <a href="http://dx.doi.org/10.1371/journal.pone.0068466">[More Information]</a>

## 2012

Greenville, A., Wardle, G., Dickman, C. (2012). Extreme climatic events drive mammal irruptions: regression analysis of 100-year trends in desert rainfall and temperature. *Ecology and Evolution*, 2(11), 2645-2658. <a href="http://dx.doi.org/10.1002/ece3.377">[More Information]</a>

## 2011

Dickman, C., Greenville, A., Tamayo, B., Wardle, G. (2011). Spatial dynamics of small mammals in central Australian desert habitats: the role of drought refugia. *Journal of Mammalogy*, 92(6), 1193-1209. <a href="http://dx.doi.org/10.1644/10-MAMM-S-329.1">[More Information]</a>

## 2010

Letnic, M., Greenville, A., Denny, E., Dickman, C., Tischler, M., Gordon, C., Koch, F. (2010). Does a top predator suppress the abundance of an invasive mesopredator at a continental scale? *Global Ecology and Biogeography*, DOI: 10.1111/j.1466-8238.2010.00600.x, 1-11. <a href="http://dx.doi.org/10.1111/j.1466-8238.2010.00600.x">[More Information]</a>

Dickman, C., Greenville, A., Beh, C., Tamayo, B., Wardle, G. (2010). Social organization and movements of desert rodents during population "booms" and "busts" in central Australia. *Journal of Mammalogy*, 91(4), 798-810. <a href="http://dx.doi.org/10.1644/09-MAMM-S-205.1">[More Information]</a>

## 2009

Greenville, A., Dickman, C. (2009). Factors affecting habitat selection in a specialist fossorial skink. *Biological Journal of the Linnean Society*, 97(3), 531-544. <a href="http://dx.doi.org/10.1111/j.1095-8312.2009.01241.x">[More Information]</a>

Greenville, A., Dickman, C., Wardle, G., Letnic, M. (2009). The fire history of an arid grassland: the influence of antecedent rainfall and ENSO. *International Journal of Wildland Fire*, 18(6), 631-639. <a href="http://dx.doi.org/10.1071/WF08093">[More Information]</a>

## 2008

Read, J., Carter, J., Moseby, K., Greenville, A. (2008). Ecological roles of rabbit, bettong and bilby warrens in arid Australia. *Journal of Arid Environments*, 72, 2124-2130. <a href="http://dx.doi.org/10.1016/j.jaridenv.2008.06.018">[More Information]</a>

## 2005

Greenville, A., Dickman, C. (2005). The ecology of Lerista

labialis (Scincidae) in the Simpson Desert: reproduction and diet. *Journal of Arid Environments*, 60(4), 611-625. <a href="http://dx.doi.org/10.1016/j.jaridenv.2004.07.010">[More Information]</a>