Science for management: how recent contributions to the accumulated knowledge of Noisy Scrub-bird (*Atrichornis clamosus*) ecology have supported 60 years of conservation effort.

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Conservation management and recovery for any threatened species requires a clear understanding of the species' ecology. However, the nature of threatened species often means they are infrequently encountered, which limits opportunities for effective research. This is more problematic if the species in question is shy or cryptic, making any ecological study a challenging and resource-intensive enterprise.

The Noisy Scrub-bird (*Atrichornis clamosus*) is one such species. Translocation programs in the 1980s and 1990s resulted in a significant improvement in conservation prospects for this species, yet in 2021 the scrub-bird remains restricted to a small area of habitat and is still subject to the stochastic impacts of bushfires and longer term consequences of a drying climate. And although there was a concerted effort to learn more about the ecology of this enigmatic bird following its rediscovery 60 years ago, there is still much we don't know. However, strategically focused student projects have provided valuable insights that have changed the way managers have thought about future recovery actions for the scrub-bird.

Here we present the most recent assessment of the population following significant bushfires, and two pertinent case studies of doctoral research that have tackled important knowledge gaps to inform Noisy Scrub-bird conservation. One project sought to learn more about the vocalisations of this renowned songster; the other addressed questions around the population genetics of the species. And we celebrate 60 years since this enigmatic song-bird was rediscovered at Two Peoples Bay Nature Reserve.