

From: Adrian Manning
Sent: Sunday, 20 September 2015 4:13 PM
To: OEH ROGHD PAS Amendment Mailbox
Subject: Submission: Draft Conservation Strategy for the Superb Parrot

Re: Draft Conservation Strategy for the Superb Parrot.

I have undertaken extensive research on the Superb Parrot, and have published many peer-reviewed paper on the species. I welcome the release of the the Draft Conservation Strategy for the Superb Parrot as part of the Saving our Species program. I broadly support the proposed actions. Below are some specific comments and suggestions aimed at maximising the effectiveness of the Action Toolbox in conserving the species.

(1) **Climate change.** The action toolbox does not mention the potential effects of climate change on the Superb Parrot. We have recently undertaken a climate modelling study using global climate models (Manning et al. in prep). **Our results project that climate change will have a dramatic on the Superb Parrot by 2050.** The results indicate that the core area for the species in 2050 will be considerably reduced and will move eastward and will be focused on an area in the area north of the ACT in the area of Murrumbateman and Yass. The implication of our work is that there needs to be a particular focus of conservation action in this area to maximise the potential for the Superb Parrot to adapt to climate change.

(2) **Tree mortality.** Based on our research on nest tree availability (Manning et al. 2004 and 2013), I would emphasise that preventing the mortality is critical. While planting trees that can become future nest trees is essential, we still face a significant 'bottleneck' in the future when trees will be scarce for hollow-nesting species. Our work shows that nest tree populations are highly sensitive to early mortality (Manning et al. 2013). **I encourage the NSW Government to explore the most effective ways to minimise early tree mortality.**

(3) **Code of practice for paddock trees.** The code of practice for paddock trees allows the clearance of paddock trees under 80cm DBH. It should be noted that Manning et al. (2004; Manning unpublished data) found **13.2% of trees with superb parrot nests were under 80cm DBH.** This potentially means (a) that Superb Parrots may be affected by tree removal under the Code (b) trees that may have become Superb Parrot nest trees in the future may be removed. **I encourage the NSW Government to examine whether the Code is having an impact on the Superb Parrot.**

Please contact me if you would like to discuss further, or if you would like copies of the publications that I cite.

Your sincerely,

Adrian D. Manning

Associate Professor Adrian D. Manning
Fenner School of Environment and Society
ANU College of Medicine, Biology & Environment
Frank Fenner Building, Building No. 141
The Australian National University
Canberra ACT 2601 Australia