

MCCARTHY, MICHAEL, DR

PROPOSED ROLE: Research leadership
CURRENT POSITION: Senior Ecologist
ARCUE, Royal Botanic Gardens Melbourne

Examples of direct impact of recent research

- Population models used to evaluate management decisions for endangered species in Victoria
- Models of response of stream flow used to help decisions about revegetation of post-fire catchments in ACT
- I have made substantial contributions to evaluating criteria that are used nationally and internationally to list endangered species
- Evidence of impact of toe clipping has influenced decisions of animal ethics committees internationally
- Population models used to help design reserve systems for forest biodiversity in Tasmania

Examples of advice to government and industry

- Member of Parks Victoria Environment Committee
- Direct advice to numerous agencies including: Birds Australia, federal government, state governments and agencies, private companies

Most significant recent publication

McCarthy, M.A., Thompson, C.J., and Williams, N.S.G. 2006. Logic for designing nature reserves for multiple species. *American Naturalist* (in press).

Publication summary 2001 to present

Number of books:	2
Number of peer-reviewed papers in ISI Web of science (verifiable):	24
Number of book chapters:	6
Other publications:	18

Research Training

	Current	Past
Postdoc	2	1
PhD	7	4
Honours	0	2

Major awards and prizes

1996 Australian Research Council Postdoctoral Fellowship

Other recent evidence of impact and standing

- In 2005, 120 different papers in the Science and Social Sciences citations databases cited at least one paper on which McCarthy is co-author.
- Plenary speaker at Ecological Society of Australia meeting, Brisbane, December 2005.
- Editorial board of Ecology Research