

## JEFF SHORT - LIST OF SCIENTIFIC PUBLICATIONS

March 2005

### Referred papers in primary journals

1. Short, J. (1981). Diet and feeding behaviour of the forest elephant. *Mammalia* **45**, 177-185.
2. Short, J. and Grigg, G.C. (1982). The abundance of kangaroos in suboptimal habitats: wheat, intensive pastoral, and mallee. *Australian Wildlife Research* **9**, 221-227.
3. Short, J. (1982). Habitat requirements of the brush-tailed rock-wallaby, *Petrogale penicillata*, in New South Wales. *Australian Wildlife Research* **9**, 239-246.
4. Short, J. (1983). Density and seasonal movements of forest elephant (*Loxodonta africana cyclotis*, Matschie) in Bia National Park, Ghana. *African Journal of Ecology* **21**, 175-184.
5. Short, J., Caughley, G., Grice, D. and Brown, B. (1983). The distribution and abundance of kangaroos in relation to environment in Western Australia. *Australian Wildlife Research* **10**, 435-452.
6. Caughley, G., Grigg, G.C. and Short, J. (1983). How many kangaroos? *Search* **14**, 151-152.
7. Short, J. (1985). The functional response of kangaroos, sheep and rabbits in an arid grazing system. *Journal of Applied Ecology* **22**, 435-447.
8. Short, J. and Bayliss, P. (1985). Bias in aerial survey estimates of kangaroo density. *Journal of Applied Ecology* **22**, 415-422.
9. Grice, D., Caughley, G. and Short, J. (1985). Density and distribution of emus. *Australian Wildlife Research* **12**, 69-73.
10. Short, J. (1986). The effect of pasture availability on food intake, species selection and grazing behaviour of kangaroos. *Journal of Applied Ecology* **23**, 559-571.
11. Grice, D., Caughley, G. and Short, J. (1986). Density and distribution of the Australian bustard (*Ardeotis australis*). *Biological Conservation* **35**, 259-267.

12. Caughley, G., Short, J., Grigg, G.C. and Nix, H. (1987). Kangaroos and climate: an analysis of distribution. *Journal of Animal Ecology* **56**, 751-761.
13. Short, J. and Hone, J. (1988). Calibrating aerial surveys of kangaroos by comparison with drive counts. *Australian Wildlife Research* **15**, 277-84.
14. Short, J., Caughley, G., Grice, D. and Brown, B. (1988). The distribution and relative abundance of camels in Australia. *Journal of Arid Environments* **15**, 91-97.
15. Hone, J. and Short, J. (1988). A note on the sightability of emus during aerial survey. *Australian Wildlife Research* **15**, 647-9.
16. Short, J. (1989). The diet of the brush-tailed rock-wallaby in New South Wales. *Australian Wildlife Research* **16**, 11-18.
17. Short, J. and Milkovits, G. (1990). The distribution and status of the brush-tailed rock-wallaby in south-eastern Australia. *Australian Wildlife Research* **17**, 169-179.
18. Short, J. and Turner, B. (1991). Distribution and abundance of spectacled hare-wallabies and euros on Barrow Island, Western Australia. *Wildlife Research* **18**, 421-429.
19. Short, J. and Turner, B. (1992). The distribution and abundance of the banded and rufous hare-wallabies, *Lagostrophus fasciatus* and *Lagorchestes hirsutus*. *Biological Conservation* **60**, 157-166.
20. Short, J., Bradshaw, S.D., Giles, J., Prince, R.I.T. and Wilson, G.R. (1992). Macropod reintroductions - a review. *Biological Conservation* **62**, 189-204.
21. Short, J. and Turner, B. (1993). The distribution and abundance of the burrowing bettong (Marsupialia: Macropodoidea). *Wildlife Research* **20**, 525-534.
22. Short, J. (1994). Rare & endangered - the burrowing bettong. *Australian Natural History* **24** (9), 23-24.
23. Short, J. and Turner, B. (1994). A test of the vegetation mosaic hypothesis - an hypothesis to explain the extinction of Australian mammals. *Conservation Biology* **8**, 439-449.  
  
Reprinted as Chapter 21 in Samson, F.B and Knopf, F.L. (eds). (1996). *Ecosystem Management: Selected Readings*. Springer, NY. 462 pp.
24. Short, J. and Smith, A. (1994). Mammal decline and recovery in Australia.

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25. Richards, J.D. and Short, J. (1996). History of the disappearance of native fauna from the Nullarbor Plain through the eyes of long-time resident Amy Crocker. *Western Australian Naturalist* **21**, 89-96.
26. Sander, U., Short, J., and Turner, B. (1997). Social organisation and warren use of the burrowing bettong (Macropodoidea: Potoroidae). *Wildlife Research* **24**, 143-157.
27. Risbey, D.A., Calver, M.C., and Short, J. (1997). Control of feral cats for nature conservation I. Field test of four baiting methods. *Wildlife Research* **24**, 319-326.
28. Short, J., Risbey, D.A., Turner, B., and Carnamah, R. (1997). Control of feral cats for nature conservation. II. Population reduction by poisoning. *Wildlife Research* **24**, 703-714.
29. Richards, J.D. and Short, J. (1997). Rare and Endangered - Western Barred Bandicoot. *Australian Nature* 20-21.
30. Short, J., Turner, B., Majors, C. and Leone, J., (1997). The fluctuating abundance of endangered mammals on Bernier and Dorre Islands, Western Australia - conservation implications. *Australian Mammalogy* **20**, 53-61.
31. Calver, M.C., King, D.R., Risbey, D.A., Short, J., and Twigg, L.E. (1998). Ecological blunders and conservation: the impact of introduced foxes and cats on Australia native fauna. *Journal of Biological Education* **32**, 67-72
32. Richards, J.D. and Short, J. (1998). Wedge-tailed eagle *Aquila audax* predation on endangered mammals and rabbits at Shark Bay, Western Australia. *Emu* **98**, 23-31.
33. Short, J. (1998). The extinction of rat-kangaroos (Marsupialia: Potoroidae) in New South Wales, Australia. *Biological Conservation* **86**, 365-377.
34. Short, J., Richards, J.D., and Turner, B. (1998). The ecology of western barred bandicoots on Dorre and Bernier Islands, Western Australia. *Wildlife Research* **25**, 567-586.
35. Short, J. and Turner, B. (1999). The ecology of burrowing bettongs on Dorre and Bernier Islands, Western Australia. *Wildlife Research* **26**, 651-669.
36. Risbey, D.A., Calver, M.C., and Short, J. (1999). The impact of cats and foxes on the small vertebrate fauna of Heirisson Prong, Western Australia: I. Exploring potential impact using diet analysis. *Wildlife Research* **26**, 621-630.

37. Risbey, D.A., Calver, M.C., Short, J., Bradley, J.S. and Wright, I.W. (2000). The impact of cats and foxes on the small vertebrate fauna of Heirisson Prong, Western Australia: II. A field experiment. *Wildlife Research* **27**(3), 223-235.
38. Short, J. and Turner, B. (2000). Reintroduction of the burrowing bettong *Bettongia lesueur* (Marsupialia: Potoroidae) to mainland Australia. *Biological Conservation* **96**, 185-196.
39. Richards, J. D. and Short, J. (2000). Rare and Endangered - Banded Hare-wallaby. *Nature Australia* **26**, 22-23.
40. Glen, A. S. and Short, J. (2000). Control of dingoes in New South Wales - an historical perspective. *Australian Zoologist* **31**(3), 432-442.
41. Short, J. and Calaby, J. H. (2001). The status of Australian mammals in 1922 - collections and field notes of museum collector Charles Hoy. *Australian Zoologist*, **31**(3), 533-529.
42. Richards, J. D., Short, J., Prince, R. I. T., Friend, J. A., and Courtenay, J. M. (2001). Biology of banded and rufous hare-wallabies (*Lagostrophus fasciatus* and *Lagorchestes hirsutus*) (Diprotodontia: Macropodidae) on Dorre and Bernier Islands, Western Australia. *Wildlife Research* **28**, 311-322.
43. Robley, A. J., Short, J., and Bradley, J. S. (2001). Dietary overlap between the burrowing bettongs (*Bettongia lesueur*) and European rabbit (*Oryctolagus cuniculus*) in semi-arid coastal Western Australia. *Wildlife Research*, **28**, 341-349.
44. Short, J., Kinnear, J. E., and Robley, A. (2002). Surplus killing by introduced predators in Australia - evidence for ineffective anti-predator adaptations in native prey species. *Biological Conservation*, **103**, 283-301.
45. Robley, A., Short, J., and Bradley, J. S. (2002). Do European rabbits (*Oryctolagus cuniculus*) influence the population ecology of burrowing bettong (*Bettongia lesueur*)? *Wildlife Research* **28**, 423-429.
46. Short, J., Turner, B., and Risbey, D. A. (2002). Control of feral cats for nature conservation. III. Trapping. *Wildlife Research* **29**, 475-487.
47. Parsons, B., Short, J., and Calver, M. C. (2002). Evidence for male-biased dispersal in a reintroduced population of burrowing bettongs *Bettongia lesueur* at Heirisson Prong, Western Australia. *Australian Mammalogy* **24**, 219-224.
48. Richards, J.D. and Short, J. (2003). Reintroduction of the western barred bandicoot to mainland Australia. *Biological Conservation* **109**, 181-195.

49. Short, J. (2005). Mammal decline in southern Western Australia- perspectives from Shortridge's collections of mammals in 1904-07. *Australian Zoologist* **32**, 605-628.
50. Short, J. and Turner, B. (2005). Control of feral cats for nature conservation. IV. Population dynamics and morphological attributes of cat populations at Shark Bay, Western Australia. *Wildlife Research* **32**, in press.

### **Other published and unpublished material**

#### *Refereed book chapters*

51. Short, J. (1987). Factors affecting the food intake of rangelands herbivores. Pages 84-99 in Caughley, G., Shepherd, N. and Short, J. (eds) (1987). *Kangaroos: their ecology and management in the sheep rangelands*. Cambridge University Press, Cambridge.
52. Roberston, G., Short, J. and Wellard, G. (1987). The environment of the Australian sheep rangelands. Pages 14-34 in Caughley, G., Shepherd, N. and Short, J. (eds) (1987). *Kangaroos: their ecology and management in the sheep rangelands*. Cambridge University Press, Cambridge.
53. Short, J., Turner, B., Parker, S. and Twiss, J. (1994). Reintroduction of endangered mammals to mainland Shark Bay - a progress report. Pages 183-188 in Serena, M (ed.). *Reintroduction Biology of Australasian Fauna*. Surrey Beatty, Chipping Norton, N.S.W.

#### *Books*

54. Caughley, G., Shepherd, N. and Short, J. (1987). *Kangaroos: their ecology and management in the sheep rangelands*. Cambridge University Press, Cambridge. 253 pp.
55. Morton, S. R., Short, J., Barker, R. D. (1995). *Refugia for Biological Diversity in Arid and Semi-arid Australia. A report to the Biodiversity Unit of the Department of Environment, Sport, and Territories*. Biodiversity Series, Paper No. 4. Biodiversity Unit, Department of Environment, Sport and Tourism, Canberra. 171 pp.
56. Short, J. and Parsons, B. (2001). *Field notes, correspondence and specimen list of museum collector Charles Hoy*. CSIRO Wildlife and Ecology, Perth. 165 pp.

*Theses*

57. Short, J. (1980). *Habitat requirements, diet and home range of the brush-tailed rock-wallaby* (*Petrogale penicillata*). M.Sc, University of Sydney: Sydney, New South Wales.
58. Short, J. (1999). *Decline and recovery of Australian mammals, with particular emphasis on the burrowing bettong* *Bettongia lesueur*. PhD, Murdoch University: Perth, Western Australia. 207 pp.

*Conference papers and abstracts*

59. Short, J. (1991). A test of the habitat mosaic hypothesis. In *Management of Spinifex Deserts for Nature Conservation*. (Ed. D. Pearson). Occasional Paper 1/91, 17.
60. Copley, P. and Short, J. (1991). Reintroduction of locally-extinct species and feral animal control - workshop summary. In *Management of Spinifex Deserts for Nature Conservation*. (Ed. D. Pearson). Occasional Paper 1/91, 38-40.
61. Short, J., Smith, A. and Wilson, B. (1993). Mammal decline and recovery in Australia. *Sixth International Theriological Congress Abstracts*, 277-278.
62. Short, J. (1994). Reconstructing arid zone mammal faunas - beating the odds. *Proceedings of the Australian Mining Industry Council Environmental Workshop* **19**: 280-299.
63. Short, J. (1997). The role of predation in the extinction of mammals in Australia over the past 200 years. In *Conference on Australasian Vertebrate Evolution, Palaeontology and Systematics - Programme and Abstracts* (Ed. Anon.) pp. 56-57 Perth, WA.
64. Short, J. (1997). Reintroducing threatened mammals to mainland Australia - the Heirisson Prong experience. In *Australasian Wildlife Management Society 10th Annual Conference and AGM Program and Abstracts*. pp. 38 (Australasian Wildlife Management Society).
65. Robley, A. and Short, J. (1997). The comparative feeding strategy of the burrowing bettong (*Bettongia lesueur*) and the European rabbit (*Oryctolagus cuniculus*). In *Australasian Wildlife Management Society 10th Annual Conference and AGM Program and Abstracts*. pp. 68 (Australasian Wildlife Management Society).
66. Short, J. (1998). The role of behaviour in the decline and extinction of native mammals. In *Australian Mammal Society - Program and Abstracts*. pp. 40 (Promaco Conventions: Perth.)

67. Robley, A. and Short, J. (1998). Do European rabbits impact on the population dynamics of the burrowing bettong? In *Australian Mammal Society - Program and Abstracts*. Pp. 37. (Promaco Conventions: Perth.)
68. Short, J. (2000). Conserving endangered mammals at Shark Bay, Western Australia. In *The Third AMEEF Innovation Conference*. pp. 92-98 (Australian Minerals and Energy Environment Foundation (AMEEF): Melbourne.)
69. Short, J. (2000). Reintroducing endangered mammals - the Heirisson Prong experience. In: Gillen, J. S., Hamilton, R., Low, W. A., and Creagh, C. *Biodiversity and the reintroduction of native fauna to Uluru-Kata Tjuta National Park*, pp. 75-82. (Bureau of Rural Science, Kingston, ACT.)
70. Short, J. (2000). Reintroduction of the burrowing bettong to Heirisson Prong. In: *Desert Mammalogy - lessons from the past, directions for the future*, pp. 21. (Parks and Wildlife Commission of the Northern Territory, Alice Springs.)
71. Short, J. (2004). Conservation of the malleefowl: are there lessons from the successful conservation of native mammals by intensive fox control? In *'Proceedings of the National Malleefowl Forum 2004'*, pp. 54-68. Victorian Malleefowl Recovery Group, Inc.

### Reports

72. Short, J. (1978). *Poaching activity - Bia National Park (1977-78)*. Report to Game and Wildlife Department, Ghana.
73. Short, J. (1978). *Notes on the Chimpanzee population of Bia National Park*. Report to Game and Wildlife Department, Ghana.
74. Short, J. (1987). *The status and management of the re-introduced colony of rock-wallabies at Wombeyan Caves*. Report to the Tourism Commission of New South Wales.
75. Short, J., Turner, B. and Majors, C. (1989). *The distribution and abundance of rare macropods and bandicoots on Barrow, Boodie, Bernier and Dorre Islands*. Final report to Australian National Parks and Wildlife Service. 119 pages.
76. Short, J. and Turner, B. (1990). *P102 The experimental reintroduction of the burrowing bettong to mainland Australia. Part II: The importance of a vegetation mosaic to the burrowing bettong*. Final report to World Wide Fund For Nature. 135 pages.

77. Short, J. and Turner, B. (1992). Reintroduction of the burrowing bettong (*Bettongia lesueur*) to Heirisson Prong, Shark Bay, Western Australia. II Site Preparation. Report to Australian National Parks and Wildlife Service, Canberra.
78. Short, J. and Turner, B. (1993). *Reintroduction of the Burrowing Bettong (Bettongia lesueur) to Heirisson Prong, Shark Bay, Western Australia*. Report to Australian National Parks and Wildlife Service. 82 pages.
79. Short, J. (1995). *Interim Recovery Plan for the Western Barred Bandicoot (Perameles bougainville)*. Final report to Department of Conservation and Land Management, Perth, Western Australia.
80. Richards, J.D. and Short, J. (1996). *Reintroduction of the western barred bandicoot to Heirisson Prong*. Report to Shark Bay Salt Joint Venture, Perth. 37 pages.
81. Richards, J.D. and Short, J. (1997). *Reintroduction of the western barred bandicoot to Heirisson Prong*. Report to Shark Bay Salt Joint Venture, Perth. 32 pages.
82. Richards, J.D. and Short, J. (1998). *The Heirisson Prong Project: Management and Research 1998*. Report to Shark Bay Resources, Perth. 46 pages.
83. Short, J. (1998). *Establishing a Protected Area for Nature Conservation on Leasehold Land at Heirisson Prong*. Report to Useless Loop Community Biosphere Project Group, Inc. CSIRO, Perth.
84. Short, J. (1999). *Heirisson Prong Community Biosphere Reserve, Shark Bay, Western Australia. Management Plan 1999-2004*. Report to Useless Loop Community Biosphere Project Group Inc., Shark Bay Salt Joint Venture and CSIRO Wildlife and Ecology, Perth, Western Australia.
85. Richards, J. D., Short, J., and Cane, B. (2000). *A Short History of Community Involvement in the Heirisson Prong Endangered Mammal Research Project 1989 to 1999, and beyond ....* Useless Loop Community Biosphere Group, Inc.
86. Parsons, B., Richards, J.D., and Short, J. (2001). *Threatened Mammals - Reintroductions to Heirisson Prong*. Final Report to Endangered Species Program, Commonwealth Department of Environment and Heritage. 56 pages plus 6 appendices. (CSIRO Sustainable Ecosystems on behalf of the Useless Loop Community Biosphere Project Group, Inc.: Perth, WA.).
87. Parsons, B., Richards, J.D., and Turner, B. (2002). *Heirisson Prong:*



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88. Richards, J.D., Parsons, B., and Short, J. (2003). '*Marsupial Rescue*' - the re-establishment of endangered mammals on mainland Australia. Final report to Earthwatch, Australia. CSIRO Sustainable Ecosystems, Perth.
89. Short, J. (2004). *Conserving threatened mammals - history informing current management practice*. Report to the Ian Potter Foundation. (CSIRO Sustainable Ecosystems, Perth.)
90. Short, J., Turner, B., and Parsons, B. (2004). *Heirisson Prong: Management and Research 2003-2004*. Report to Shark Bay Salt Joint Venture. CSIRO Sustainable Ecosystems, Perth.
91. Short, J. (2004). *Baseline survey and subsequent monitoring strategy to detect exotic terrestrial species on Barrow Island*. Report to ChevronTexaco Australia Pty Ltd. (CSIRO Sustainable Ecosystems, Perth.)
92. Short, J. and Parsons, B. (2004). *A test of the focal species approach in Western Australia*. Final report for Land and Water Australia Project CSE9 Testing Approaches to Landscape Design in Cropping Lands, 126 pp. (CSIRO Sustainable Ecosystems, Perth.)
93. Short, J., Atkins, L., and Turner, B. (2005). *Diagnosis of mammal decline in Western Australia, with particular emphasis on the possible role of feral cats and poison peas*. Report to National Geographic Society, Washington, DC, 47 pp. (CSIRO Sustainable Ecosystems, Perth.)

#### *Popular communication*

94. Short, J. (1991). The burrowing bettong returns to the peninsulas of Shark Bay. *Re-introduction News (Newsletter of the Re-introduction Specialist Group of IUCN's Species Survival Commission)* **2**, 5-6.
95. Short, J. (1992-1995). Heirisson Prong Conservation Area Newsletter. 2-4 pp x 4 issues p.a.
96. Short, J. (1994). Burrowing bettong in Shark Bay. *Re-introduction News (Newsletter of the Re-introduction Specialist Group of IUCN's Species Survival Commission)* **8**, 7.
97. Harris, R. and Short, J. (1996). Out on a Prong. In '*Mining and the Community: A Growing Relationship*.' (Ed. Harris, J. and Clarke, G.). (The Chamber of Mines and Energy of Western Australia Inc: Perth).