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## TUESDAY 10 JUNE 2008

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### CONCURRENT SESSION 2B 01:30-03:00

#### COMMERCIAL USE OF PEST SPECIES

Chair: Steve McLeod

#### CC-2B-1

- 01:30 Commercial harvesting of pest animals: a review  
Singh K, McLeod S, Hone J, Gibson J .....36

#### CC-2B-2

- 01:45 Controlling feral goat and camel populations through  
commercial harvesting  
Pople T .....37

#### CC-2B-3

- 02:00 The possum fur industry of New Zealand: can it  
contribute to managing this pest?  
Warburton B, Ruscoe W .....38

#### CC-2B-4

- 02:15 Can feral pig harvesting and co-ordinated control reduce  
damage to grain crops?  
Gentle M, Speed J, Prendergast A, Marshall D.....39

#### CC-2B-5

- 02:30 When dollars and cents become ferals and pests -  
managing animals that were once a commercial venture  
Tyrer J .....40

#### CC-2B-6

- 02:45 Under what circumstances can commercial use  
effectively manage pest animals?  
McLeod SR..... 41

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### Afternoon tea 03:00-03:30

### CONCURRENT SESSION 3A 03:30-05:40

#### ISLAND REFUGES AND CONTROL PROGRAMS (CONT)

Chair: Elaine Murphy

#### CC-3A-1

- 03:30: Application of genetics to island pest management  
Sarre S ..... 42

#### CC-3A-2

- 03:45 The Phillip Island experience: 100 years of foxes from  
culling to the potential of eradication  
Bloomfield TE..... 43

#### CC-3A-3

- 04:00 Eradication of feral pigs (*Sus scrofa*) from Santa Cruz  
Island, California  
Parkes J, Morrison SA, Ramsey D, Macdonald N ..... 44

#### CC-3A-4

- 04:15 Control of the invasive brown treesnake on Guam using  
an oral toxicant  
Vice DS, Clark CS, Savarie PJ, Hall MA ..... 45

#### CC-3A-5

- 04:30 DOC mainland islands  
Gillies CA..... 46

#### CC-3A-6

- 04:45 Eradication vs control: outcomes of a multi-predator  
management trial for management of critically  
endangered species  
Reardon JT, Hutcheon A, Holmes K, Norbury G..... 47

#### CC-3A-7

- 05:00 1080 alternatives for Tasmania  
Eason C, Statham M, Shapiro L, Hix S, McMorran D,  
Fisher P, Boot S, McLroy J, Statham H, Dawson J..... 48

#### CC-3A-8

- 05:15 Efficacy of commercially available rodenticide baits for  
the control of Norway rats and house mice  
Witmer G, Burke P, Jojola S .....49

#### CC-3A-9

- 05:30 An evaluation of WaxTags® as a monitoring technique  
for low-density possum (*Trichosurus vulpecula*)  
populations in New Zealand (Rapid Report)  
Thomas MD, Brown JA, Ross JG .....50

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### CONCURRENT SESSION 3B 03:30-05:35

#### WELFARE, URBAN PESTS AND HUMAN CONFLICT

Chair: Barry Kay

#### CC-3B-1

- 03:30 Urban wildlife control: concepts and ethics  
Hadidian J, Griffin J .....51

#### CC-3B-2

- 03:45 Operating a 'humane' wildlife control business:  
challenges and opportunities  
Griffin J, Hadidian J .....52

#### CC-3B-3

- 04:00 A model for assessing the humaneness of invasive  
animal control methods  
Sharp T, Jones B, Saunders G .....53

#### CC-3B-4

- 04:15 Welfare aspects of poisoning for feral pig control:  
preliminary evaluation of cyanide  
Fisher P, Campion M .....54

#### CC-3B-5

- 04:30 Rabbit control in the urban environment: demonstrated  
safe use of shooting as a primary control technique  
Martin J, Glover A, Parker S .....55

#### CC-3B-6

- 04:45 Examples of community driven animal pest control  
projects in Waikato Region, North Island, New Zealand  
Hodges D.....56

#### CC-3B-7

- 05:00 Investigating the role of wildlife and wild canids in  
transmission of *neospora caninum*  
King J, Jenkins D, Slapeta J, Windsor P .....57

#### CC-3B-8

- 05:15 Post capture necrosis of the feet caused by soft-catch  
traps - incidents, cause and prevention (Rapid Report)  
Byrne D, Allen L .....58

#### CC-3B-9

- 05:25 Survey of domestic pig and wildlife interactions on  
commercial piggeries in Australia (Rapid Report)  
Pearson H, Toribio JA, Lapidge S.....59

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### WELCOME RECEPTION 06:00-07:30

SKY CITY

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## WEDNESDAY 11 JUNE 2008

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### PLENARY 2 08:55-10:30

THE FUTURE OF CONSERVATION PEST MANAGEMENT  
Chair: Dave Choquenot

#### PL-2-1

09:00 An experiment to evaluate the consequences of pest control in a New Zealand context  
Ruscoe W, Pech R, Barron M, Sweetapple P, Yockney I .....60

#### PL-2-2

09:15 When is a ferret like a falcon? Managing vertebrate pests to restore indigenous ecological processes  
Byrom A, Norbury G, Pech R.....61

#### PL-2-3

09:30 Multiple interacting species in dryland ecosystems: predicting biodiversity outcomes of pest control  
Norbury G, Pech R, Byrom A.....62

#### PL-2-4

09:45 Exploiting predation processes to protect native fauna and control vertebrate pests  
Pech R, Byrom A, Norbury G.....63

#### PL-2-5

10:00 Effects of introduced rats on ecosystem processes on seabird-dominated islands in New Zealand  
Bellingham PJ, Wardle DA, Mulder CPH, Fukami T, Towns DR .....64

#### PL-2-6

10:15 Seabirds, predators and island restoration: is the cat out of the bag?  
Rayner M.....65

### Morning tea 10:30-11:00

### CONCURRENT SESSION 4A 11:00-12:30

THE FUTURE OF CONSERVATION PEST MANAGEMENT (CONT'D)  
Chair: Dave Choquenot

#### CC-4A-1

11:00 Mesopredator release in the Jarrah forest of south-west Western Australia  
de Tores P, .....66

#### CC-4A-2

11:15 Developing an effective fox control program for large nature reserves in the WA Wheatbelt  
Morris K, Johnson B, Muir B, Jackson J .....67

#### CC-4A-3

11:30 Modelling landscape level fox control and creating ecological traps through baiting  
Dexter N, McLeod S .....68

#### CC-4A-4

11:45 Wild dogs and biodiversity  
Dickman CR.....69

#### CC-4A-5

12:05 Modelling ecosystem consequences of pest management  
Duncan R .....70

#### CC-4A-6

12:20 Discussion

### CONCURRENT SESSION 4B 11:00-12:30

PEST FISH CONTROL  
Chair: Tony Peacock

#### CC-4B-1

11:00 A review of invasive freshwater pest fish control in Australia  
Fulton W, Hall K .....71

#### CC-4B-2

11:15 Pest fish impacts and management in the Murray-Darling Basin  
Bamford H, Barrett J .....72

#### CC-4B-3

11:30 Identification of 'hotspots' of carp reproduction in the Murray Darling Basin  
Gilligan D, Hartwell D, McGregor C.....73

#### CC-4B-4

11:45 Development and testing of a novel pushing trap: is it time we gave common carp the finger?  
Thwaites L, Smith B, Fleer D, Conallin A, Decelis M .....74

#### CC-4B-5

12:00 Population modelling for pest fish management: relative effects of spatial structuring and movement patterns  
Brown P, Robertson S.....75

#### CC-4B-6

12:15 Towards control of Tilapia populations in north-eastern Queensland  
Russell J, Thuesen P .....76

### Lunch 12:30-01:30

### CONCURRENT SESSION 5A 01:30-03:00

PEST CONTROL IN PRODUCTION SETTINGS  
Chair: John Burley

#### CC-5A-1

01:30 What's stopping effective wild dog management in north-east NSW?  
Ballard G .....77

#### CC-5A-2

01:45 Non-invasive recovery of brushtail possum (*Trichosurus velpecula*) DNA from bait interference devices  
Vargas M, Cruickshank R, Ross J, Paterson A, Ogilvie S .....78

#### CC-5A-3

02:00 Modelling wild dog movement using state-space models to examine optimal bait placement  
Robley A, Ramsey D, Gormley A, Griffioen P .....79

#### CC-5A-4

02:15 The potential role of seed-eating birds in the dispersal of 'weeds'  
Twigg L, Lowe T, Taylor C, Calver M, Martin G, Stevenson C, How R .....80

#### CC-5A-5

02:30 Home range, activity patterns, and habitat use of urban dingoes  
Allen B .....81

#### CC-5A-6

02:45 Economics of feral animal control in NT  
Drucker A, Edwards G, Saalfield K and Zander K ....82

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## WEDNESDAY 11 JUNE 2008

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### CONCURRENT SESSION 5B 01:30-03:00

PEST FISH CONTROL (CONT'D)

Chair: Wayne Fulton

**CC-5B-1**01:30 Recombinant approaches for managing invasive fish  
Thresher R, Bax N, Jones M .....83**CC-5B-2**01:45 Laboratory development of a prototype daughterless  
construct in Medaka, *Oryzias Latipes*  
Van de Kamp J, Beyer J, Canning M, Grewe P,  
Gurney R, Patil J, Thresher R .....84**CC-5B-3**02:00 Koi herpesvirus: a potential biological control agent for  
the common carp  
McCull KA, Sunarto A, Williams LM,  
Crane M StJ .....85**CC-5B-4**02:15 Using low pH to repel salmonids: from the lab to the field  
David B, West D, Ling N, Brijs J .....86**CC-5B-5**02:30 Non-native fish management plan for the Grand Canyon  
Arizona USA, to protect an endangered indigenous fish  
species, the Humpback Chub (*Gila Cypha*)  
Hilwig KD, Coggins LG, Andersen .....87**CC-5B-6**02:45 An integrated approach to managing carp in Tasmania  
Wisniewski C.....88

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### Afternoon tea 03:00-03:30

### CONCURRENT SESSION 6A 03:30-05:35

PEST CONTROL IN PRODUCTION SETTINGS (CONT'D)

Chair: Mark Ramsey

**CC-6A-1**03:30 The community involvement process in the wild dog  
program in Victoria  
Crococ A .....89**CC-6A-2**03:45 The efficacy of RATOFF® zinc phosphide bait sachets  
in controlling rats in banana and teak plantations  
Smith M, Rivera D, Atyeo, M, Staples L, Leung L....90**CC-6A-3**04:00 Efficacy of MOUSEOFF® to control mice in a simulated  
crop habitat  
Aty eo M, Smith M, Staples L, Leung L, Rivera D....91**CC-6A-4**04:15 Advances in trapping for control of pest possums and  
wallabies in Tasmania, as an economic alternative to  
1080 poison  
Edwards I .....92**CC-6A-5**04:30 Feral goats, rainfall and water: potentials for  
management in different ecosystems  
Fleming P, Letnic M, Russell B, Tracey J,  
Lukins B.....93**CC-6A-6**04:45 Victoria's good neighbour program  
Kaiser S.....94**CC-6A-7**05:00 Are we focussing wild dog control the wrong time of the  
year and going about it the wrong way?  
Allen L, Byrne D .....95**CC-6A-8**05:15 Carnivore odours as repellents: an effective pest  
management tool? (Rapid Report)  
Cox T, Murray P, Hall G, Li X, Tribe A.....96**CC-6A-9**05:25 Activity of wild dogs, co-occurring carnivores and key  
prey species before and after annual strategic control in  
Northern NSW (Rapid Report)  
Newsome T, Ballard G, Fleming P, Dickman C.....97

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### CONCURRENT SESSION 6B 03:30-05:30

RABBIT CONTROL

Chair: David Lord

**CC-6B-1**03:30 Co-evolution of wild rabbits (*Oryctolagus cuniculus*)  
and RHDV: resistance and virulence  
Elsworth P, Cooke B .....98**CC-6B-2**03:45 Are rabbits at Turretfield Research Centre South  
Australia becoming resistant to RHD  
Sinclair R, Peacock R, Kovaliski J, Capucci L.....99**CC-6B-3**04:00 Discovery of a new benign calicivirus in Australian wild  
rabbits  
Strive T, Wright JD, Kovaliski J, Robinson TR .....100**CC-6B-4**04:15 Effectiveness of RHDV releases for rabbit control  
Mutze G, Sinclair R, Kovaliski J, Peacock D .....101**CC-6B-5**04:30 The value of having no wild rabbits in South East  
Queensland  
Brennan M, Berman D .....102**CC-6B-6**04:45 A method for mapping the distribution and density of  
rabbits and other vertebrate pests in Australia  
Berman D, Cooke B .....103**CC-6B-7**05:00 Review of the rabbit control program at Ularu-Kata Tjuta  
National Park, February 1989 to 2007  
Low B, Newsome T, Miller C, Baker L, Dobbie W,  
Grattidge A, Gillen J .....104**CC-6B-8**05:15 Where should rabbits be controlled? Using a range of  
tools to ensure a successful outcome  
Riethmuller J, Matthews J, Harrison B .....105

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### CONFERENCE DINNER 07:00

SKY CITY (ON THE LAWNES)

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## THURSDAY 12 JUNE 2008

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### PLENARY 3 08:30-10:30

#### INTERNATIONAL PEST CONTROL ISSUES

Chair: Steve Lapidge

#### PL-3-1

- 08:30 Invasive species issues and management in a global wildlife melting pot: Florida  
Engeman R, Constantin B .....106

#### PL-3-2

- 08:45 New products for vertebrate control in the US  
Eisemann JD, O'Hare JR, Stephens S .....107

#### PL-3-3

- 09:00 Recent developments in wildlife contraception  
Fagerstone KA, Miller LA .....108

#### PL-3-4

- 09:30 Techniques for estimating the economic impact of vertebrate pests: a case study  
Shwiff SA, Gebhardt K, Kirkpatrick K, Shwiff SS .....109

#### PL-3-5

- 09:45 Using input-output models to measure the economic impact of vertebrate pests  
Shwiff SS, Shwiff SA .....110

#### PL-3-6

- 10:00 Genetic background and worldwide evidence of resistance to anticoagulant rodenticides in rats and mice  
Pelz HJ .....111

#### PL-3-7

- 10:15 Dubbo Rural Lands Protection Board NSW – ACTA Award Winner

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### Morning tea 10:30-11:00

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### CONCURRENT SESSION 7A 11:00-12:30

#### NEW TOOLS AND METHODS

Chair: Damian Collopy

#### CC-7A-1

- 11:00 New tools for feral pig control under development at the Invasive Animals CRC  
Lapidge S, Cowled B, Wishart J, Lyman H, Humphrys S, Smith M, Staples L .....112

#### CC-7A-2

- 11:15 Effect of a GnRH vaccine (GonaCon™) on the fertility of male and female wallabies  
Hinds LA, Labatut LJA, Snape MA, Miller LA .....113

#### CC-7A-3

- 11:30 Field trial of a new bait and toxicant for feral cat management on French Island, Victoria  
Johnston M, Algar D, Onus M, Hamilton N, Hilmer S, O'Donoghue M, Morris J, Lindeman M, Robinson S, Buckmaster T, Broome L .....114

#### CC-7A-4

- 11:45 Developing a new toxin for the control of feral cats and stoats in New Zealand  
Murphy E, Eason C, Hix S, Shapiro L, MacMorran D .....115

#### CC-7A-5

- 12:00 A spray formulation for humane lethal control of cane toads  
Dall DJ, Dawes J, Spencer RJ, Campbell SJ .....116

#### CC-7A-6

- 12:15 For whom the bell tolls: over-abundant Bell Miners, Lerps and the fate of east coast eucalypt forests  
Meek P .....117

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### CONCURRENT SESSION 7B 11:00-12:30

#### MONITORING PEST ANIMALS

Chair: Andrew Woolnough

#### CC-7B-1

- 11:00 Evaluating techniques for determining feral cat and fox population densities, in South Eastern Queensland  
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#### CC-7B-2

- 11:15 Home range and movement of feral cats in tall forests in far east Gippsland, Victoria  
Buckmaster T, Dickman C, Friend G, Osborne W, Sarre S .....119

#### CC-7B-3

- 11:30 Comparison of DNA-based techniques for population estimation of wild dogs  
Stephens D, Berry O, Ballard G, Fleming P .....120

#### CC-7B-4

- 11:45 Detection of cryptic animals at low densities: finding foxes using remote cameras and forensic DNA  
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#### CC-7B-5

- 12:00 National assessment of invasive animals – project outcomes  
West P .....122

#### CC-7B-6

- 12:15 Feral deer distribution, abundance and impact, and associated landholder attitudes: results of an extremely successful postal survey of rural landholders in southeast South Australia  
Peacock D .....123

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### Lunch 12:30-01:30

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### CONCURRENT SESSION 8A 01:30-03:00

#### NEW TOOLS AND METHODS (CONT'D)

Chair: Matt Gentle

#### CC-8A-1

- 01:30 Machine vision classification of animals  
Finch NA, Murray PJ .....124

#### CC-8A-2

- 01:45 DNA evidence for the origins of foxes in Tasmania  
Berry O .....125

#### CC-8A-3

- 02:00 Bother in the bush: seeds of doubt  
Clarey R, Falconer G, Crisp P .....126



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