

Curriculum Vitae

Full name: Dr Hamish Cochrane

Present position: Senior Lecturer, School of Forestry

Present employer: University of Canterbury

Present work address: School of Forestry
College of Engineering
University of Canterbury
Private Bag 4800
Christchurch

Academic qualifications: BSc (1992, Cant.), MSc (hons) (1995, Cant.), DipTchg (1998, ChCh.COE), PhD (1999, Cant.)

Years as a practising researcher: 7

Track record:

Research title	Principal outcome	Principal end user and contact
Possum diet in beech forest	Elucidated seasonal variation in diet in the Lewis Pass area	Department of Conservation, West Coast Conservancy Regional Scientist (Dr Ingrid Grüner)
Integrated Pest Management Plan	Production of pest management plan for FSC certification of Forestry Company	Selwyn Plantation Board Ltd. (Mr Hugh Stevenson)
Land cover and LENZ South Island High Country	GIS analyses and report on extant land cover and land environments	High Country Accord (Mr Rodney Patterson)
Integrating biodiversity conservation with farm management	GPS tracking of sheep in high-country landscapes	MAF (Fiona Duncan), Federated Farmers (Ben Todhunter), Merino Inc. (Claire Mulcock)

Honours/distinctions/membership of societies, institutions, committees:

Member New Zealand Institute of Forestry
Member New Zealand Ecological Society
Member Forest Biosecurity Consultative Committee

Professional positions held:

University of Canterbury Proctor Oct 2004 – Mar 2007
Senior Lecturer School of Forestry 2005 - present
Lecturer School of Forestry 2002 – 2004
Fixed term Lecturer School of Forestry 2001-2002
Post Doctoral Research Fellow 1999-2001

Present research/professional speciality:

Herbivore impacts
Herbivore habitat utilisation
Biosecurity

Number of refereed publications: 5

Number of patents: 0

Number of significant publications not included in the above: 4

List of major achievements pertinent to this research proposal:

1. Major publications (in the last five years).

Cochrane, C.H. 2003. Biosecurity: its implications for the primary industry sector. *Primary Industry Management* 6: 6-7.

Cochrane, C.H.; Norton, D.A.; Miller, C.J.; Allen, R.B. 2003. Possum diet in a lowland mixed beech forest. *New Zealand Journal of Ecology* 27.: 61-65.

Cochrane, C.H. 2005. *Wild animal management*. In: Colley, M. (ed.) *NZIF Forestry Handbook*. pp 51-54.

Norton, D.A. Reay, S.; Cochrane, C.H. 2005. Crown-stem dimension relationships in New Zealand forests. *New Zealand Journal of Botany* 43: 673-678.

2. Major achievements in commercial, social and environmental areas.

- Involved in evidence preparation for technical aspects of land cover change for Environment Court case and consent applications
- Developer and co-ordinator of New Zealand's first tertiary level integrated course in Biosecurity
- Ongoing teaching and supervision of undergraduate and postgraduate university students (am currently principal supervisor for one PhD student, three masters students, and two honours students)

3. Demonstration of relationships with end-users.

- Providing ongoing GIS analysis and support to Canterbury Forestry Company
- Invited participant at New Zealand Rural Fire National Research meeting to discuss role of education in capacity building for fire management
- University of Canterbury representative on national Forest Biosecurity consultative committee where issues affecting MAF and the Forest industry are discussed
- Paper presented at a one-day farmer workshop in late 2006 regarding initial GPS-collar results from sheep work
- Ongoing interaction with regional ECAN land resources and biosecurity staff on matters including feral goat management, HVEA, rabbit and hare management