

New R&D Publications

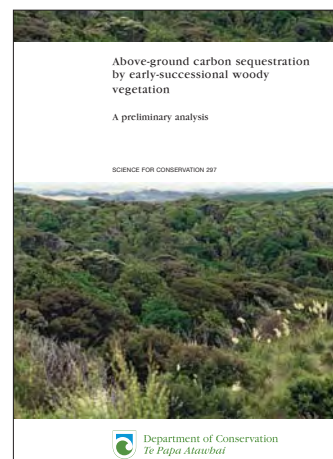
October–December 2009

SCIENCE FOR CONSERVATION

Above-ground carbon sequestration by early-successional woody vegetation: a preliminary analysis

F.E. Carswell; L.E. Burrows; N.W.H. Mason 2009. *Science for Conservation* 297. 20 p.

New Zealand's ratification of the Kyoto Protocol offers considerable opportunity for the sale of 'carbon credits' from newly created forests. Given that forests need to have arisen since 1989 to be eligible for carbon credits, shrublands currently represent the biggest potential for Kyoto-compliant carbon (C) gain on conservation land. Little published information currently exists on the potential annual gain of C (sequestration) in shrublands, or whether significant differences occur between different shrubland types. In this study, change in above-ground C stock was measured over an approximate 5-year period and consequent rates of C sequestration were calculated for six exotic seral and six manuka (*Leptospermum scoparium*) shrubland plots.



Vehicle crime at outdoor recreation and tourist destinations: prevalence, impact and solutions

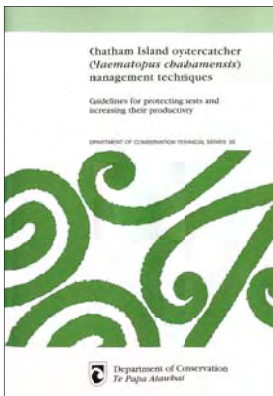
B.J. Kazmierow; G.R. Cessford; C.H. Wilson; P. Mayhew; B.L. Morrison 2009. *Science for Conservation* 298. 86 p.

There is concern that vehicle crime (thefts of and from vehicles, and vehicle damage) in car parks at outdoor recreation and tourist destinations poses an unwelcome problem for car park visitors, both international and domestic. The research reported in this study aimed to find out how widespread the problem of vehicle crime is, where the 'hotspots' are, how the problem affects behaviour of recreationists and tourists, and what the best strategies and tools are for reducing the problem.



Photo: Andrew Maloney.





DOC TECHNICAL SERIES

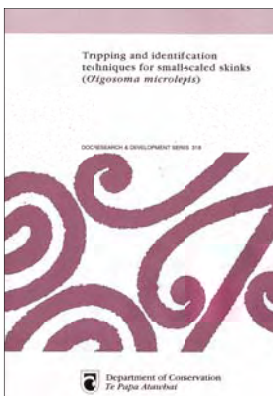
Chatham Island oystercatcher (*Haematopus chathamensis*) management techniques: guidelines for protecting nests and increasing their productivity

P.J. Moore 2009. *Department of Conservation Technical Series 35*. 50 p.

DOC RESEARCH & DEVELOPMENT SERIES

Trapping and identification techniques for small-scaled skinks (*Oligosoma microlepis*)

K. Gebauer 2009. *DOC Research & Development Series 318*. 24 p.



DOC Research & Development Series 309–318

Department of Conservation 2009. 315 p. This compendium contains:

Effects of low flow on dwarf galaxias and their habitat in the Wairau River

J. Hay 2009. *DOC Research & Development Series 309*. 20 p.

Factors causing dune ephemeral wetlands to be vulnerable to weed invasion

P.D. Champion; P.N. Reeves 2009. *DOC Research & Development Series 310*. 53 p.

Addressing uncertainty in braided river bird counts

J.A. Brown; T.J. Robinson 2009. *DOC Research & Development Series 311*. 22 p.

A re-evaluation of potential rodenticides for aerial control of rodents

C.T. Eason; S. Ogilvie 2009. *DOC Research & Development Series 312*. 33 p.

Long-term management of kakerori (*Pomarea dimidiata*) in the Cook Islands

H.A. Robertson; I. Karika; G. Mateariki; L. Nia; E.K. Saul 2009. *DOC Research & Development Series 313*. 22 p.

Nest counts of Stewart Island shags/mapua (*Leucocarbo chalconotus*) in Otago

C. L alas; L. Perriman 2009. *DOC Research & Development Series 314*. 29 p.

Vegetation monitoring in Whanganui National Park

A. Hawcroft; S. Husheer 2009. *DOC Research & Development Series 315*. 28 p.

Does rat control benefit forest invertebrates at Moehau, Coromandel Peninsula?

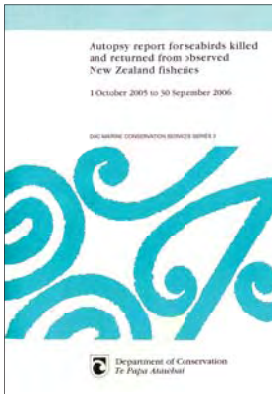
S.R. Rate 2009. *DOC Research & Development Series 316*. 25 p.

Bird species of concern at wind farms in New Zealand

R.G. Powlesland 2009. *DOC Research & Development Series 317*. 54 p.

Trapping and identification techniques for small-scaled skinks (*Oligosoma microlepis*)

K. Gebauer 2009. *DOC Research & Development Series 318*. 24 p.



DOC MARINE CONSERVATION SERVICES SERIES

Autopsy report for seabirds killed and returned from observed New Zealand fisheries 1 October 2005 to 30 September 2006

D.R. Thompson 2009. *DOC Marine Conservation Services Series 2*. 35 p.

OTHER REPORTS AND ARTICLES

These reports, written by DOC staff or contractors conducting research for DOC, have been published by external agencies. DOC cannot supply copies of these.

Effectiveness of management on the breeding success of Chatham Island oystercatchers (*Haematopus chathamensis*)

P.J. Moore; C. Reid 2009. *New Zealand Journal Of Zoology* 36: 431-446.

Optimising the sampling of skinks using artificial retreats based on weather conditions and time of day

J.M. Hoare; C.F.J. O'Donnell; I. Westbrooke; D. Hodapp; M. Lettink 2009.

Applied Herpetology 6: 379-390.

The Barrier skink *Oligosoma judgei* n. sp. (Reptilia: Scincidae) from the Darran and Takitimu Mountains, South Island, New Zealand

G.B. Patterson; T.P. Bell 2009. *Zootaxa* 2271: 43-56.

Two additional indigenous species of *Veronica* (*Plantaginaceae*) from northern New Zealand: *V. jovellanoides*, a new and highly endangered species, and *V. plebeia* R.Br.

G.R. Davidson; P.J. de Lange; P.J. Garnock-Jones 2009. *New Zealand Journal of Botany* 47: 271-279.



RETROSPECTIVES ON THE WEB

We are continuing to add PDFs of our older publications to the website. This month we have added electronic versions of seven *Science & Research Series* titles originally published between 1995 and 1997.

New this month are issues numbered 92, 94-97, 99 and 100.

Details of all these and links to the PDF files can be found in our online catalogue at: www.doc.govt.nz > *Publications* > *Science & technical*

SCIENCE PUBLICATIONS CATALOGUE

Please note that the annual Science Publications catalogue will no longer be produced and distributed at the start of each calendar year. All information traditionally contained in the catalogue can now be found using our online catalogue: www.doc.govt.nz/publications/science-and-technical/online-catalogue/.

Any readers requiring hard copy lists of our publications will still be able to subscribe to our monthly memo.



*The publications listed
in this memo record
the results of science
projects carried out by
contractors and staff for
the Department
of Conservation.*



AND FINALLY...

This is our final collection of new publications for 2009.

The Publishing Team would like to thank all the authors and referees who have contributed to the fantastic range of science publications produced this year—it has been a pleasure working with you.

This year has seen further staff changes in the Publishing Team, with the departure our manager, Sue Wilkins. We are also very excited to announce that a designer will be joining us in the new year—further details in the next memo.

We wish all our readers a very merry Christmas, and all the best for the coming year.

*Amanda Todd Lynette Clelland
Tom Lind-Jackson*

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