

# Science Publications 1996

Science & Research Division  
Department of Conservation  
P O Box 10-420, Wellington, New Zealand

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ISBN 0-478-

Science Publications,  
Department of Conservation,  
P.O. Box 10-420, Wellington, New Zealand.

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## ***Department of Conservation Science Publications***

The Science Publication Unit records the output of DoC science investigations, both those undertaken by the staff, and those contracted to consultants. Research is published as stand-alone books, and as reports in several series, including:

- *Science & Research Series* - a fully reviewed irregular monograph series reporting the investigations conducted by DoC staff.
- *DoC Technical Reports* - instructional guidebooks, and data sets aimed at the conservation officer in the field.
- *Science for Conservation* - a fully reviewed irregular monograph series, reporting on the science investigations purchased from independent providers.
- *Science & Research Internal Reports* - progress reports on scientific matters on-going in the Department.
- *Conservation Sciences Publication [Series]* - single volumes on conservation matters of national interest.
- *Conservation Science Advisory Notes* - notes in response to specific questions asked by Departmental staff, concerning matters which have arisen in the course of their management duties.

## ***Sale catalogue***

This catalogue lists the science investigations which were published by the Department during 1996, and which are available for sale. To order please use a copy of the form provided, or ring and discuss your needs with us.

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**Please Note! Science investigations which are published in professional journals are NOT available through our bookshop. Enquiries should be made directly to the journal concerned, or they may be consulted through a library.**

# Science & Research Series

99. Dilks, P.J. and Kearvell, J. 1996. **Preliminary studies of Chatham Island tui: January 1995 population status and aspects of ecology.** *Science & Research Series No. 99.* 30 p. \$12.48 (incl. G.S.T.)
98. West, Carol J. 1996. **Assessment of the weed control programme on Raoul Island, Kermadec Group.** *Science & Research Series No. 98.* 100 p. \$25.03 (incl. G.S.T.)
97. Cessford, Gordon 1995. **Canoeing and crowding on the Whanganui River.** *Science & Research Series No. 97.* 94 p. \$23.63 (incl. G.S.T.)
96. Cessford, G.R. and Dingwall, P.R. 1996. **Tourist visitors and their experiences at New Zealand subantarctic islands.** *Science & Research Series No. 96.* 68 p. \$18.00 (incl. G.S.T.)
95. Cessford, Gordon 1995. **Conservation benefits of public visits to protected islands.** *Science & Research Series No. 95.* 62 p. \$18.00 (incl. G.S.T.)
89. Challis, Aidan J. 1995. **Ka pakihī whakatekateka o Waitaha: The archaeology of Canterbury in Maori times.** *Science & Research Series No. 89.* 118 p. \$34.88 (incl. G.S.T.)

# DoC Technical Series

10. Bell, Sophie, and Gibb, Jeremy G. 1996. **Public access to the New Zealand coast: Guidelines for determining legal and physical constraints.** *Department of Conservation Technical Series No.10.* 34 p. \$20.00 (incl. G.S.T.)
9. Meylan, R. 1996. **Evaluating displays and on-site panels: A guide for Department of Conservation staff.** *Department of Conservation Technical Series No. 9.* 18 p. \$12.38 (incl. G.S.T.)

# Science for Conservation Series

43. Spurr, E.B., Harris, R.J., and Drew, K.W. 1996. **Improved bait for wasp control.** *Science for Conservation: 43.* 15 p. \$12.50 (incl. G.S.T.)
- Science for Conservation: 42 is still in press.*
41. Moore, P.J. 1996. **Light-mantled sooty albatross on Campbell Island, 1995–96: a pilot investigation.** *Science for Conservation: 41.* 23 p. \$12.50 (incl. G.S.T.)
40. Morgan, D.R., Innes, J., Ryan, C., and Meikle, L. 1996. **Baits and baiting strategies for multi-species pest control and feral cats.** *Science for Conservation: 40.* 27 p. \$12.50 (incl. G.S.T.)
39. Rogers, Geoff. 1996. **Regeneration ecology, conservation status, and recovery planning for the endangered tree *Olearia hectorii*.** *Science for Conservation: 39.* 33 p. \$12.50 (incl. G.S.T.)
38. Morgan, D.R., Wright, G.R., and Spurr, E.B. 1996. **Environmental effects of rodent Talon<sup>®</sup> baiting. Part 1: Monitoring for toxic residues. Part 2: Impacts on invertebrate populations.** *Science for Conservation: 38.* 27 p. \$12.50 (incl. G.S.T.)
37. Mitchell, Charles P. 1996. **Trapping the adult eel migration at Aniwhenua Power Station.** *Science for Conservation: 37.* 24 p. \$12.50 (incl. G.S.T.)
36. Emberson, R.M., Early, J.W., Marris, J.W.M., and Syrett, P. 1996. **Research into the status and distribution of Chatham Islands endangered invertebrates.** *Science for Conservation: 36.* 35 p. \$12.50 (incl. G.S.T.)
35. Lynch, Pip 1996. **Menstrual waste in the backcountry.** *Science for Conservation: 35.* 41 p. \$22.50 (incl. G.S.T.)
34. Norbury, Dale 1996. **The effect of rabbits on conservation values.** *Science for Conservation: 34.* 32 p. \$12.50 (incl. G.S.T.)

33. Whitaker, A.H. 1996. **Impact of agricultural development on grand skink (*Oligosoma grande*) (Reptilia: Scincidae) populations at Macraes Flat, Otago, New Zealand.** *Science for Conservation: 33.* 33 p. \$12.50 (incl. G.S.T.)
32. Taylor, Rowland H. 1996. **Distribution, abundance and pup production of the New Zealand fur seal (*Arctocephalus forsteri* Lesson) at the Bounty Islands.** *Science for Conservation: 32.* 14 p. \$12.50 (incl. G.S.T.)
31. Fraser, Wayne 1996. **The effect of recreational hunters on deer populations in Pureora Conservation Park.** *Science for Conservation: 31.* 31 p. \$12.50 (incl. G.S.T.)
30. Innes, J., Brown, K., Jansen P., Shorten, R., and Williams, D. 1996. **Kokako population studies at Rotoehu Forest and on Little Barrier Island.** *Science for Conservation: 30.* 39 p. \$22.50 (incl. G.S.T.)
29. Rogers, G.M. 1996. **Control, demography, and post-control response of heather in the central North Island: Part 2.** *Science for Conservation: 29.* 35 p. \$12.50 (incl. G.S.T.)
28. Ringer, Martin 1996. **Critical analysis of obtaining desired outcomes from voluntary programmes.** *Science for Conservation: 28.* 51 p. \$22.50 (incl. G.S.T.)
27. Pettigrew, John 1996. **Advancing public awareness.** *Science for Conservation: 27.* 85 p. \$22.50 (incl. G.S.T.)
26. Smale, M.C., Hall, G.M., and Gardner, R.O. 1996. **Monitoring condition of sand dune kanuka forest at Woodhill.** *Science for Conservation: 26.* 17 p. \$12.50 (incl. G.S.T.)
25. Buxton, R.P., Johnson, P.N., and Espie, P.R. 1996. **Sphagnum research programme: The ecological effects of commercial harvesting.** *Science for Conservation: 25.* 34 p. \$12.50 (incl. G.S.T.)
24. Warburton, B. 1996. **The potential effectiveness of aerially sown 1080 baits for controlling low-density possum populations.** *Science for Conservation: 24.* 11 p. \$12.50 (incl. G.S.T.)
23. Allen, R.B., Basher, L.R., and Comrie, J. 1996. **The use of fire for conservation management in New Zealand.** *Science for Conservation: 23.* 49 p. \$12.50 (incl. G.S.T.)

22. Efford, M., Darby, J., and Spencer, N. 1996. **Population studies of yellow-eyed penguins. 1993-94 progress report.** *Science for Conservation: 22.* 50 p. \$12.50 (incl. G.S.T.)
21. Spurr, E.B. 1996. **Impacts of 1080-poisoning for possum control on non-target invertebrates.** *Science for Conservation: 21.* 15 p. \$12.50 (incl. G.S.T.)
20. Meylan, R. 1995. **Development of a comprehensive evaluation strategy for displays at Department of Conservation visitor centres.** *Science for Conservation: 20.* 135 p. \$12.50 (incl. G.S.T.)
19. Ecroyd, C.E., Franich, R.A., Kroese, H.W. and Steward, D. 1995. **The use of *Dactylanthus nectar* as a lure for possums and bats.** *Science for Conservation: 19.* 31 p. \$12.50 (incl. G.S.T.)

# Conservation Advisory Science Notes

(Priced at \$2.25, incl. GST, except where marked)

154. Hedley, M.D. 1997. **An assessment of risks associated with the use of CCA-treated timber in sensitive environments and options for its substitution with alternative timber materials.** *Conservation Advisory Science Notes: 154.* 37 p.
153. Dijkstra, L.H. and McDowall, R.M. 1997. **Electrophoretic identification of whitebait species.** *Conservation Advisory Science Notes: 153.* 13 p.
152. Townsend, J.I. 1997. **An insect survey of Paengaroa Scenic Reserve, Mataroa.** *Conservation Advisory Science Notes: 152.* 9 p.
151. Spurr, E.B. 1997. **Assessment of the effectiveness of Transonic<sup>®</sup> ESP and Yard Gard<sup>®</sup> ultrasonic devices for repelling stoats (*Mustela erminea*).** *Conservation Advisory Science Notes: 151.* 4 p.
150. Simpson, Philip 1997. **Natural pohutukawa in Taranaki.** *Conservation Advisory Science Notes: 150.* 9 p.
- Conservation Advisory Science Notes: 149* is still in press.**
148. Lawlor, Ian 1997. **Inspection of Motukoruenga and Motukoranga Islands, Whitianga, Coromandel Peninsula, 28 January 1995.** *Conservation Advisory Science Notes: 148.* 9 p.
147. Comfort, J.A. and Single, M.B. 1997. **Literature review on the effects of seawalls on beaches.** *Conservation Advisory Science Notes: 147.* 8 p.
146. Miskelly, C.M. 1997. **Whitaker's skink *Cyclodina whitakeri* eaten by a weasel *Mustela nivalis*.** *Conservation Advisory Science Notes: 146.* 4 p.

145. Ogle, Colin 1997. **Sand movement and the protection of natural areas on Pouto Peninsula, Northland.** *Conservation Advisory Science Notes: 145.* 24 p.
144. Miskelly, C.M. 1997. **Biological notes on the Western Chain, Snares Islands, 1984–85 and 1985–86.** *Conservation Advisory Science Notes: 144.* 10 p.
143. McShane, Paul E. 1997. **Environmental effects of sea-based farming of paua (*Haliotis* spp.) and kina (*Evechinus chloroticus*).** *Conservation Advisory Science Notes: 143.* 13 p.
142. Mitchell, Charles 1997. **Fish passage issues at Lake Tuakitoto.** *Conservation Advisory Science Notes: 142.* 7 p.
141. Wigley, P.J. 1997. **Elimination of microsporidian infections from quarantined heather beetle populations.** *Conservation Advisory Science Notes: 141.* 4 p.
140. Watt, J.P.C. 1997. **Inglis Bush Scenic Reserve (Central Hawkes Bay): Impact of water race on native vegetation.** *Conservation Advisory Science Notes: 140.* 10 p.
139. Freeman, A.B., Hickling, G.J., and Bannock, C.A. 1997. **Responses of the native skink *Leiopisma maccanni* to two pest control baits.** *Conservation Advisory Science Notes: 139.* 8 p.
138. Ratz, Hiltrun and Moller, Henrik 1997. **Identification of predators of Royal Albatross chicks at Taiaroa Head in February 1994.** *Conservation Advisory Science Notes: 138.* 36 p. **Special price: \$7.50**
137. Hamel, Jill 1995. **Archaeological assessment of the Otago Central rail trail: the line today.** *Conservation Advisory Science Notes No. 137.* 34 p.
136. Crosby, Trevor K. 1995. **Motu-o-Kura (Bare Island): report on invertebrates in pitfall traps.** *Conservation Advisory Science Notes No. 136.* 5 p.
135. Johnson, P.N. 1995. **Manorburn Conservation Area: vegetation assessment.** *Conservation Advisory Science Notes No. 135.* 17 p.

134. Mitchell, Charles 1995. **Modification of the floodgates and drainage pattern into Lake Pounui: implications for fish passage.** *Conservation Advisory Science Notes No. 134.* 5 p.
133. Webb, Colin J. 1995. **Seed production in *Gunnera hamiltonii*.** *Conservation Advisory Science Notes No. 133.* 3 p.
132. Collins, Chris. 1995. **Forests and the carbon cycle: Emerging opportunities for native forest protection and afforestation in New Zealand.** *Conservation Advisory Science Notes No. 132.* 28 p.
131. Israel, S.A. and Fyfe, J.E. 1995. **Determining the sensitivity of SPOT XS imagery for monitoring intertidal and sublittoral vegetation of Otago Harbour.** *Conservation Advisory Science Notes No. 131.* 27 p.

# Internal Report Series

156. Cessford, G.R. and Dingwall, P.R. (Editors) 1997. **Impacts of visitors on natural and historic resources of conservation significance. Part 1 – Workshop proceedings.** *S & R Internal Report No. 156.* 109 p. \$23.65 (incl. G.S.T.).
155. Timmins, Susan M. 1996. **Report on the 11th Australian Weeds Conference, 30 September–3 October 1996, Melbourne, Victoria.** *S & R Internal Report No. 155.* 10 p. \$6.75 (incl. G.S.T.).
154. Sherley, Greg. 1996. **Biodiversity research for conservation in New Zealand: Lessons from Australia.** *S & R Internal Report No. 154.* 40 p. \$12.50 (incl. G.S.T.)
153. Green, Kaye (Comp.) 1996. **Abstracts of science papers published and projects completed on 1994/95.** *S & R Internal Report No. 153.* 27 p. \$12.50 (incl. G.S.T.)
152. Green, K. (Comp.) 1996. **DoC science project summaries – 1994/1995. Vol.2 Output classes 5.0–9.2.** *S & R Internal Report No. 152.* 202 p. \$29.95 (incl. G.S.T.)
151. Green, K. (Comp.) 1996. **DoC science project summaries – 1994/1995. Vol.1 Output classes 2.0–4.7.** *S & R Internal Report No. 151.* 153 p. \$29.95 (incl. G.S.T.)

# Conservation Sciences Publication [Series]

5. McDowall, R.M., Eldon, G.A., Bonnett, M.L., and Sykes, J.R.E. 1996. **Critical habitats for the conservation of shortjawed kokopu, *Galaxias postvectis* Clarke.** *Conservation Sciences Publication: 5.* 80 p. \$25.00 (incl. G.S.T.)

# Miscellaneous S&R Publications

**Outdoor recreation in New Zealand.** 1995.

Devlin P.J., Corbett, R.A., and Peebles, C.J. (Eds) **Volume 1: A review and synthesis of the research literature.** 259 p.

Peebles, C.J. **Volume 2: A bibliography.** 299 p.

\$35.00 each or \$60.00 for the set (incl. G.S.T.)

DoC 1996. **Department of Conservation Historic Heritage Research Strategy. Working draft for 1997–98 research planning.** Dept. of Conservation, Wellington. 26 p. \$5.00 (incl. G.S.T.)

McFadgen, B. and Simpson, P. (Comp.) 1996. **BIODIVERSITY: Papers from a seminar series on biodiversity, hosted by Science and Research Division, Department of Conservation, Wellington, 14 June–26 July 1994.** 181 p. \$20.00 (incl. G.S.T.)

# Published TSU Recovery Plans

(Priced at \$15.00 incl. GST, except where otherwise marked.  
Available from Science & Research Division, Department of  
Conservation, Wellington)

Stitchbird	Approved 1996
Brown teal	Approved 1996
Native frogs	Approved 1996
New Zealand (Hooker's) Sea Lion	Approved 1995
<i>Dactylanthus taylorii</i>	Approved 1995
Bat (Peka peka)	Approved 1995
Otago and grand skinks	Approved 1995
Giant land snail	Approved 1995
South Island saddleback	Approved 1994
Takahe	Approved 1994
New Zealand Dotterel	Approved 1993
Tuatara	Approved 1993
Mohua (yellowhead)	Approved 1993
Subantarctic teal	Approved 1993
Kowhai ngutukaka	Approved 1993
Chevron skink	Approved 1993
Black stilt	Approved 1993
Whitaker's and robust skinks	Approved 1992
North Island kokako	Approved 1991
Kiwi	Approved 1991
Blue duck ( <b>\$10</b> )	Approved 1991

*Science & Research Internal Report No.30*

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Yellow-eyed penguin	Approved 1991
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Available: from Otago Conservancy, Department of  
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