

# Science Publications 2001

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## ***Department of Conservation science publications***

DOC science publications record the output of science investigations undertaken by departmental staff and consultants. We publish stand-alone books, science posters, pamphlets, and reports in several series.

Current series:

- *DOC Science Internal Series* comprises progress reports and short communications that are generally peer-reviewed within DOC, but not always externally refereed. Fully refereed contract reports funded from the Conservation Services Levy are also included.
- *Science for Conservation* is a scientific monograph series. Manuscripts are internally and externally peer-reviewed; resulting publications are considered part of the formal international scientific literature.
- *Science Posters* have usually been presented at conferences by staff of DOC's Science and Research Unit.

During 2001 the following series were discontinued.

- *Conservation Advisory Science Notes* — results of scientific services and advice provided by DOC staff and external consultants.
- *Department of Conservation Technical Series* — instructional guidebooks, reviewed to ensure best-practice standards.
- *Science & Research Internal Reports* — progress reports on scientific matters on-going in the Department.

DOC Science Publishing also produces a bi-monthly newsletter, *ConScience*, and a monthly update of new publications. These are free of charge. If you would like to receive either of them please ask to be put on our mailing list.

## ***Sales catalogue***

This catalogue lists the items that were released by DOC Science Publishing during 2001. Also included are a limited selection of other DOC publications, such as those from the Biodiversity Recovery Unit.

Publications released in previous years are listed in separate catalogues. The cumulative catalogue from 1987 to 2001 (inclusive) can be found on the internet.

Check out *Science and Research* at <http://www.doc.govt.nz> under *Publications*.

The form provided on page 29 can be used to order any of our publications.

DOC science staff also publish research in professional journals and other external publications. However, such publications are NOT available from DOC Science Publishing.

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# DOC Science Internal Series

## **DOC Science Internal Series 1–12.**

2001. 256 p. \$40.00

This compendium contains the first 12 DSIS papers.

## **DOC Science Internal Series 13–24.**

2001. 224 p. \$40.00

The second compendium contains DSIS papers 13–24.

- 1. Line-transect survey of Hector's dolphin abundance between Timaru and Long Point, and effect of attraction to survey vessel.**  
S. DuFresne; S. Dawson; E. Slooten 2001. 19 p. \$7.50  
<http://csl.doc.govt.nz/dsis1.pdf>
- 2. Preliminary modelling of black petrels (*Procellaria parkinsoni*) to assess population status.**  
C. Hunter; D. Fletcher; P. Scofield 2001. 42 p. \$10.00  
<http://csl.doc.govt.nz/dsis2.pdf>
- 3. Environmental changes in Okarito Lagoon, Westland.**  
J. Goff; C. Chagué-Goff; S. Nichol 2001. 30 p. \$7.50
- 4. Environmental monitoring and fluctuating asymmetry—study design.**  
Deborah Hume 2001. 20 p. \$6.75
- 5. New Zealand's most enigmatic moth: what we know about *Titanomis sisyrota*.**  
Robert R.J. Hoare 2001. 17 p. \$7.50
- 6. *Oregus inaequalis* Castelnau [Coleoptera], its distribution, and abundance at Swampy Summit.**  
S.M. Pawson; R.M. Emberson 2001. 20 p. \$7.50
- 7. Argentine ant (*Linepithema humile*) and other adventive ants in New Zealand.**  
R.J. Harris 2001. 20 p. \$7.50

8. **Methods to monitor the density and impact of hares (*Lepus europaeus*) in grasslands in New Zealand.**  
J. Parkes 2001. 13 p. \$7.50
9. **Prospects for biological control of *Tradescantia fluminensis* Vell. (Commelinaceae).**  
R.J. Standish 2001. 13 p. \$7.50
10. **Taxonomic status of the chafer beetles *Prodontria modesta* and *P. bicolorata*.**  
G. Wallis 2001. 13 p. \$7.50
11. ***Pterostylis micromega*, an endangered orchid, in the Chatham Islands.**  
B.P.J. Molloy 2001. 10 p. \$7.50
12. **Guidelines for surveying and monitoring long-tailed bat populations using line transects.**  
C.F.J. O'Donnell; J.A. Sedgeley 2001. 20 p. \$7.50
13. **DNA sexing of brown kiwi (*Apteryx mantelli*) from feather samples.**  
A. Grant 2001. 16 p. \$7.50
14. **Cost-effectiveness of exclusion fencing for stoat and other pest control compared with conventional control.**  
B.K. Clapperton; T.D. Day 2001. 19 p. \$7.50
15. **Condensation in Glow-worm Cave, Waitomo, New Zealand.**  
C. de Freitas; A.A. Schmekal 2001. 12 p. \$7.50
16. **Disease risk assessment for translocation of kaki (black stilt), *Himantopus novaehollandiae*, from captivity to the wild.**  
R. Jakob-Hoff 2001. 18 p. \$7.50
17. ***Pachystegia rufa* and allied rock daisies: rarity and threats.**  
B. Molloy 2001. 12 p. \$7.50

- 18. The eastern rosella (*Platycercus eximius*) in New Zealand.**  
D.A. Wright; M. Clout 2001. 27 p. \$7.50
- 19. Potential impacts of mechanical cockle harvesting on shorebirds in Golden and Tasman Bays.**  
F. Schmechel 2001. 52 p. \$12.50
- 20. Management of introduced conifers in the Beebys Ridge area of Mt Richmond Forest Park.**  
N.J. Ledgard 2001. 13 p. \$7.50
- 21. Fine-scale abundance estimates from the 2000/2001 aerial survey of Hector's dolphins on the South Island west coast.**  
S.M. Dawson 2001. 9 p. \$7.50
- 22. Line-transect survey of Hector's dolphin abundance between Farewell Spit and Motunau.**  
E. Slooten; S.M. Dawson; S DuFresne; D. Clement 2001. 15 p. \$7.50
- 23. Effects of intervention on the royal albatross population at Taiaroa Head, 1937–2001.**  
C.J.R. Robertson 2001. 13 p. \$7.50
- 24. Weka- and kiwi-safe possum trap sets.**  
C. Thomson; B. Warburton; L. Moran 2001. 16 p. \$7.50

# Miscellaneous

## **Possum: everybody's problem.**

Jo Ritchie (comp.). 2000. 16 p. \$5.00 or \$350 per 100 copies.

Updated information about this voracious pest.

## **Compendium of published CSL reports, 1995/96 to 1999/2000.**

Funded by Conservation Services Levy. 2000. Department of Conservation. 186 p. \$32.00

## **The state of wilderness in New Zealand.**

G.R. Cessford (Ed.). 2001. 107 p. \$35.00.

This is a reprint of several papers from various sources including the *International Journal of Wilderness*.

## **National overview of biological monitoring in New Zealand's marine protected areas.**

A. McCrone. 2001. 123 p. \$19.50

## **The archaeology of Otago.**

J. Hamel 2001. 226 p. (incl. 8 colour pages) \$60.00

This outstanding work describes the archaeology of the Department of Conservation's Otago Conservancy from the arrival of Polynesians in New Zealand in about the 12th century to the development of European settlements, roads, farms and gold mining in the 19th century.

## **Making the best choices for conservation.**

2001. A5 booklet. 23 p. Free

## **Tracking the fate of New Zealand's natural heritage.**

2001. Factsheet. 4 p. Free

## **'St Michael' goes south.**

T. Atkinson 2001. 136 p. \$35.00

This diary is a personal account of the voyage of 'St Michael', a 31-foot motor-sailer, to the Auckland Islands in support of the 1972/73 Auckland Islands Scientific Expedition. It contains a full account of this courageous undertaking and provides a day-by-day account of the expedition including descriptions of weather, landscape, plants and animals, maps, plans, and some photographs.

**Science Counts—National Strategic Science & Research Portfolios, Programmes, Priority Actions.**

2001. Leaflet. 6 p. Free

**New Zealand mudfishes: a guide.**

N. Ling 2001. 21 p. \$12.50

**What's happening with stoat research? Third report on the five-year stoat research programme.**

2001. 40 p. Free

# Science for Conservation

**155. Options for managing the Kaimaumu Wetland, Northland, New Zealand.**

D.L. Hicks; J. Campbell; I.A.E. Atkinson. 2001. 75 p. \$30.00

This report details results of a scoping study made during the 1996/97 summer to identify possible management responses to the major problems affecting the Kaimaumu Wetland.

**157. Inventory of New Zealand's active dunelands.**

M. Hilton; U. Macauley; R. Henderson. 2000. 28 p. \$27.00

An inventory of active dunelands in New Zealand including maps of active duneland in the 1950s, 1970s, 1980s and 1990s. Changes in the areas of activity are noted.

**158. Feasibility of immunocontraception for managing stoats in New Zealand.**

L.A. Hinds; C.K. Williams; R.P. Pech; D.M. Spratt; A.J. Robinson; G.H. Reubel. 2000. 109 p. \$25.00

An examination of the literature to assess the potential for fertility control of stoats, especially immunocontraception, to contribute to the sustainable conservation of endemic New Zealand birds.

**159. Community perceptions of landscape values in the South Island high country.**

S.R. Swaffield; R.J. Foster. 2000. 54 p. \$22.50

Results of a literature review of published surveys of community perceptions of landscape values in the South Island high country are reported, and a range of survey methods evaluated.

**160. Rotoiti nature recovery project: an evaluation of advocacy.**

B. James. 2001. 46 p. \$22.50

Selected advocacy initiatives associated with the Rotoiti Nature Recovery Project were examined to identify the role advocacy played in the project, the range of methods used, the nature and extent of community involvement, the extent to which the project provides an education resource and factors influencing the effectiveness of advocacy.

- 161. Evaluation of kiwi advocacy programmes in Northland and Coromandel.**  
B. James. 2001. 51 p. \$22.50  
Selected advocacy initiatives in the Kiwi Recovery Programme in Northland and Coromandel were examined to establish their efficacy. The main conclusion was that advocacy is making an appreciable contribution to kiwi conservation.
- 163. Distribution and biology of the endangered kauri snail *Paryphanta busbyi watti*.**  
I.A.N. Stringer; R. Montefiore. 2000. 42 p. \$23.50  
Describes studies to determine the distribution and biology of this species in the three distinct locations on the end of the Aupouri Peninsula, New Zealand to which it is restricted.
- 164. Possum monitoring using raised leg-hold traps.**  
M.D. Thomas; J.A. Brown. 2000. 17 p. \$12.50  
Possum populations are measured with leg-hold traps set on the ground. These can injure protected flightless birds. Field trials were conducted to compare results from traps set at ground level with traps positioned above the ground.
- 166. Ecosystem-based conservation strategy for Central Otago's saline patches.**  
G. Rogers; A. Hewitt; J.B. Wilson. 2000. 38 p. \$22.50  
A conservation strategy is proposed for Otago's inland saline ecosystem which ranks with the worst examples of ecosystem loss in New Zealand.
- 168. Lepidoptera of small-leaved divaricating *Olearia* in New Zealand and their conservation.**  
B. Patrick. 2000. 26 p. \$12.50  
Data on the biology, biogeography, area richness and seasonality of these moths is presented. The significance of these results to conservation of the moths and their host plants is discussed.

- 169. Facilitating community-based conservation initiatives.**  
V. Forgie; Peter Horsley; J. Johnston. 2001. 76 p. \$30.00  
There are no set procedures for establishing community-based conservation initiatives. Each will be unique in its needs. Practices that assist or deter successful implementation are discussed.
- 170. Review of overseas studies relevant to stoat control.**  
R. McDonald; S. Lariviere. 2001. 78 p. \$30  
Novel approaches for controlling stoats are needed in order to help conserve New Zealand's biodiversity. The existing literature is reviewed and conclusions about the possible long-term solution are drawn.
- 171. Population dynamics 1994-98, and management, of Kaimanawa wild horses.**  
E.Z. Cameron, W.L. Linklater, E.O. Minot, K.J. Stafford. 2000. 165 p. \$35.00  
Feral horses of the southern Kaimanawa ranges, New Zealand, were studied from 1994 to 1998. Social, range use and maternal behaviour, and population health, reproduction and demography, were described. A field trial of immunocontraception and computer simulations of strategies to control population size are also reported.
- 172. Understanding the conservation expectations of Aucklanders.**  
B. James. 2001. 36 p. \$22.50  
Focus groups from DOC stakeholders and the general public were used to examine people's identification of conservation issues facing Auckland. The main issues were identified as were the factors inhibiting conservation outcomes.
- 173. Visitor impacts on marine protected areas in New Zealand.**  
A. Mc Crone. 2001. 68 p. \$22.50  
The results of a survey of New Zealand and international literature to identify negative impacts associated with visitors to marine protected areas are presented. It is suggested that further research is needed to assess the biological significance of visitor impacts and that there is a need for long-term research to assess the sustainability of visitor activities.

- 174. Measuring environmental distinctiveness.**  
J. Overton; J. R. Leathwick. 2001. 20 p. (incl. 7 colour pages) \$22.50  
Recognising areas that are distinctive in ecosystem character is essential for the management and protection of the entire range of biodiversity.
- 175. Weed surveillance – how often to search?**  
S. Harris; J. Brown; S. Timmins. 2001. 27 p. \$12.50  
Experience shows that it is best to find weed incursions early to minimise control costs and prevent ecological damage. But how frequently must particular sites be revisited to ensure that new weed invasions are caught early enough? This report provides guidance on the appropriate time intervals for active weed surveillance.
- 176. Molecular systematics and conservation of kakariki (*Cyanoramphus* spp.).**  
W. M. Boon; J. Kearvell; C. H. Daugherty; G. K. Chambers. 2001. 46 p. \$22.50  
Molecular techniques were used to address the taxonomic, evolutionary and conservation issues of the New Zealand parakeets.
- 177. Literature review of the acute toxicity and persistence of brodifacoum to invertebrates and studies of residue risks to wildlife and people.**  
L.H. Booth; C.T. Eason; E.B. Spurr; G.R.G. Wright; R. Milne; G.A. Morriss 2001. 23 p. \$12.50  
Are there risks to non-target species from brodifacoum?  
This volume contains two papers ('Literature review of the acute toxicity and persistence of brodifacoum to invertebrates' and 'Laboratory and field studies of brodifacoum residues in relation to risk exposure to wildlife and people'). These papers discuss the side-effects of the use of brodifacoum to control mammal pests in New Zealand.

**178. Observations of interactions between Hector's dolphins (*Cephalorhynchus hectori*), boats and people at Akaroa Harbour, New Zealand.**

C. Nichols; G. Stone; A. Hutt; J. Brown; A. Yoshinaga 2001. 49 p.  
\$25.00

Hector's dolphins and boat activity were tracked from a hill above Akaroa Harbour. The information was analysed to see whether there were changes in dolphin distribution and behaviour as a result of boat activity. On the basis of the results management and research recommendations are made.

**179. Impact of cattle on Department of Conservation grazing leases in South Westland: results from monitoring 1989–99 and recommendations.**

R.P. Buxton; S.M. Timmins; L.E. Burrows; P. Wardle 2001. 64 p.  
\$22.50

A study was done on river flats in South Westland to assess the impact of cattle grazing. The results of the monitoring are presented with recommendations for management and future monitoring.

**180. Distribution and conservation status of ground weta *Hemiandrus* species (Orthoptera: Anostostomatidae).**

P.M. Johns 2001. 25 p. \$12.50

A short history of the collection and description of seven known species of ground weta and some details of 28 new species are given. Conservation recommendations are made.

**181. Protecting habitats on private land: perspectives from Northland, New Zealand.**

P. Davis; C. Cocklin 2001. 69 p. \$30.00

Based on a case study and interviews with farmers and rural residents, this report considers the loss of habitat on private land through development. It considers approaches to reduce losses and protect remaining habitat, and the implications of these for costs and benefits.

- 182. Biological structure of nearshore rocky subtidal habitats of southern New Zealand.**  
D. Schiel; M.J.H. Hickford 2001. 54 p. \$30.00.  
Surveys of subtidal rocky reefs at Kaikoura and Banks Peninsula, Fiordland and the Chatham Islands show species composition varies among the regions.
- 183. Longline sink rates of an autoline vessel, and notes on seabird interactions.**  
N.W.McL. Smith 2001. 32 p. \$22.50.  
Seabirds are exposed to risk of capture on longlines during setting. Data were collected and analysed to determine changes that may be required to mitigate incidental seabird mortality.
- 184. Palatability of rodent baits to wild house mice.**  
C.E. O'Connor; L.H. Booth 2001. 11 p. \$5.00  
The palatability and efficacy of four toxic rodenticides to wild house mice was assessed.
- 185. Border control for potential aquatic weeds: Stage 2: Weed risk assessment.**  
P.D. Champion; J.S. Clayton 2001. 30 p. \$12.50.  
This report looks at the various entry pathways and considers the impact that new invasive aquatic weeds may have on vulnerable native species and communities.
- 186. Turf communities of Lake Whangape and some potential management techniques.**  
P.D. Champion; S.M. Beadel; T.M. Dugdale 2001. 54 p. (incl. 4 colour pages) \$35.00  
The factors influencing these turf communities were identified and this report suggests several ways in which such an area might be managed to improve habitat for rare and threatened species.

# Science Posters

31. **Relationships between Australian, New Zealand and Chatham Island populations of Grey Ducks.**  
J.M. Rhymer; M. Williams; R. Kingsford 2001.
32. **Determining the extent of grey duck and mallard hybridisation in New Zealand.**  
J. Green; G. Wallis; M. Williams 2001.
33. **Eradication of possums from Kapiti Island.**  
K.P. Brown 2001.
34. **Controlling multiple pests at low densities on the New Zealand mainland.**  
A. Saunders 2001.
35. **Early detection of new invasive weeds on islands.**  
S. Timmins; H. Braithwaite 2001.
36. **Application of biogeography to protection of Chatham Island endemic vascular plants.**  
J.W.D. Sawyer 2001.
37. **Response of forest birds to rat eradication on Kapiti Island.**  
C.M. Miskelly; H.A. Robertson 2001.
38. **Ecological restoration of Mana Island.**  
C.M. Miskelly; C. Ryder 2001.
49. **Mistletoe conservation in Wellington.**  
J.W.D. Sawyer; A. Rebergen 2001.
50. **Coastal dune vegetation in Wellington.**  
J.W.D. Sawyer; R. Milne 2001.
51. **Conserving New Zealand's Invertebrates.**  
C. McGuinness 2001.
52. **Long-finned pilot whale strandings in New Zealand - the past 25 years.**  
T.M. O'Callaghan; A.N. Baker; A.L. van Helden 2001.

# Conservation Advisory Science Notes

- 310. Assessment of Chatham Island as a location for liberation of black stilts.**  
D.P. Murray; M.D. Sanders. 2000. 18 p. \$3.50
- 311. Levels and implications of polychlorinated hydrocarbons in male Australasian harriers.**  
H. Reid. 2000. L.A. Hinds; C.K. Williams; R.P. Pech; D.M. Spratt; A.J. Robinson; G.H. Reubel. 2000. 109 p. \$25.00
- 312. North Island saddleback translocated to Motuhora Island, Bay of Plenty.**  
D. Brunton. 2000. 6 p. \$3.50
- 313. Trial of burrow flaps to protect petrel chicks.**  
K.J. Wilson. 2000. 9 p. \$3.50
- 314. Status of weka (*Gallirallus australis greyi*) on Mokoia Island.**  
I. Castro; R. Brejaart; K. Owen. 2000. 25 p. \$3.50
- 315. Rock art conservation survey, Tongariro/Taupo Conservancy.**  
A. Williams; N. Tupara. 2000. 10 p. \$3.50
- 316. Detecting critical changes in mohua (*Moboua ochrocephala*) populations.**  
B. Lawrence; D. Palmer. 2000. 15 p. \$3.50
- 317. Potentially species-variable DNA regions of *Cheeseman* 'Chalk Range'.**  
A. Mitchell. 2000. 4 p. \$3.50
- 318. Ship rat (*Rattus rattus*) irruptions in South Island beech (*Nothofagus*) forest.**  
B. Studholme. 2000. 9 p. \$3.50
- 319. Forbes' parakeet (*Cyanoramphus forbesi*) population on Mangere Island, Chatham Island.**  
T.C. Greene. 2000. 27 p. \$3.50

- 320. The conservation status of invertebrates in Canterbury.**  
S.M. Pawson; R.M. Emberson. 2000. 64 p. \$11.50
- 321. Southern right whales wintering in the Auckland Islands.**  
N.J. Patenaude. 2000. 31 p. \$3.50
- 322. Fish communities of Lake Whangape, Waikato – April 2000 survey.**  
D.W. West; T. Roxburgh; B.L. Chisnall. 2000. 13 p. \$3.50
- 323. First inspection of remedial treatments on the Howe Truss Railway Bridge, Waikino.**  
D. Page; B. Patterson. 2000. 8 p. \$4.50
- 324. Invertebrate fauna and their ecological context on Whangaokena, East Cape.**  
J.A. Hutcheson. 2000. 43 p. \$3.50
- 325. Morphological variation in New Zealand brown teal (*Anas chlorotis*).**  
I. Southey; R. Hitchmough. 2000. 13 p. \$3.50
- 326. Taxonomic status of the brown teal (*Anas chlorotis*) in Fiordland.**  
N.J. Gemmell; H.J. Flint. 2000. 7 p. \$3.50
- 327. Genetic analysis of brown teal (*Anas chlorotis*) from Fiordland.**  
L. Milicich. 2000. 5 p. \$3.50
- 328. Predation on Hutton's shearwater by stoats: effect of a mast seeding year.**  
J. Kemp. 2001. 9 p. \$3.50
- 329. Proceedings of a workshop on distance sampling, Wellington, May 2000.**  
R. Powlesland; R.K. Barraclough. 2001. 12 p. \$3.50
- 330. Use of an immunocontraceptive vaccine in feral Kaimanawa mares**  
K.J. Stafford, E.O. Minot, W.L. Linklater, E.Z. Cameron, S.E. Todd. 2001. 11 p. \$3.50

- 331. Translocation of wild-caught and captive-reared blue duck *Hymenolaimus malacorhynchos*.**  
T. Holmes; D. Caskey. 2001. 17 p. \$4.50
- 332. Preliminary aerial survey of Hector's dolphin (*Cephalorhynchus hectori*), north-west North Island.**  
C. Duffy; B. Williams. 2001. 13 p. \$5.50
- 333. Catastrophic events in New Zealand coastal environments.**  
J.R. Goff; C. Chague-Goff. 2001. 16 p. \$3.50
- 334. Draft import health standard for importation of passerine birds.**  
R. Jakob-Hoff. 2001. 5 p. \$3.50
- 335. Conservation and ecology of Hutton's shearwater (*Puffinus buttoni*).**  
R.J. Cuthbert. 2001. 35 p. \$3.50
- 336. *Pachystegia rufa* and allied rock daisies.**  
B. Molloy. 2001. 12 p. \$3.50
- 337. Captive diet of New Zealand black stilt held at Twizel.**  
Y. Cottam; W. Hendricks; E. Sancha. 2001. 12 p. \$3.50
- 338. Natal and breeding dispersal of northern New Zealand dotterels.**  
J.E. Dowding. 2001. 24 p. \$3.50
- 339. Stoat pathogen survey, submission and testing protocol.**  
J. O'Keefe. 2001. 6 p. \$3.50
- 340. Palatability of FeraCol for dama wallaby (*Macropus eugenii*) control.**  
G.A. Morriss; C.E. O'Connor. 2001. 3 p. \$3.50

- 341. Effects of transportation-induced jarring on ratite embryo development and hatching success.**  
M.A. Potter; S.M. Bassett. 2001. 10 p. \$3.50
- 342. Comparison of two regimes for artificially incubating kiwi eggs.**  
S.M. Bassett; M.A. Potter. 2001. 12 p. \$3.50
- 343. List of invertebrates on Mokoia Island, Lake Rotorua.**  
M. Meads; B. M. Fitzgerald. 2001. 9 p. \$3.50
- 344. Surveys for *Hoplostactylus* aff. *granulatus*, Roys Peak and Mt Alpha, Wanaka.**  
M.D. Tocher; L.J. Marshall. 2001. 27 p. (includes 10 colour pages)  
\$19.50
- 345. Impact of feral pigs and other predators on macro-invertebrates, D'Urville Island.**  
M.C. Coleman; J.P. Parkes; K.J. Walker. 2001. 16 p. \$3.50
- 346. The Last Conservation Advisory Science Note.**  
C.J.R. Robertson 2001. 21 p. \$3.50

## DOC Technical Series

23. **Vertebrate pesticide toxicology manual (poisons) (2nd ed.).**  
C.T. Eason; M. Wickstrom 2001. 122 p. \$15.00
25. **A performance monitoring framework for conservation advocacy.**  
B. James. 2001. 24 p. \$12.50
26. **Cave invertebrate collecting guide.**  
M. Hunt; I. Millar. 2001. 29 p. \$12.50

## Science & Research Internal Reports

185. **Estimating Kaimanawa feral horse population size and growth.**  
W. Linklater; E.Z. Cameron; K.J. Stafford; E. Minot. 2001. 40 p. \$25.50
186. **Social impact issues among visitors to Franz Josef Glacier, Westland National Park.**  
R. Corbett. 2001. 34 p. \$12.50
187. **Statistics Workshop Notes.**  
J. Brown; B.F.J. Manley 2001. 177 p. No further copies available.
188. **Reestablishment of the shrubby tororaro (*Muehlenbeckia astonii* Petrie), a nationally threatened plant.**  
D. Norton. 2001. 21 p. \$12.50
189. **Chatham Island oystercatcher report of 1999/2000 field season.**  
P.J. Moore; G. Hedley; R. Goomes; S. O'Connor 2001. 64 p. \$22.50
190. **Evaluating methods for the protected natural areas programme.**  
P. Bellingham. 2001. 32 p. \$12.50

# Biodiversity Recovery Unit Publications

## **Conservation requirements of New Zealand's nationally threatened invertebrates.**

C. McGuinness 2001. *Threatened Species Occasional Publication 20*. 658 p. \$60

## ***Hebe cupressoides* recovery plan 2000-10.**

David A. Norton. 2000. *Threatened Species Recovery Plans 33*. 20 p. \$15.00

## **Protection and recovery of the pygmy button daisy 2001-2011.**

2001. *Threatened Species Recovery Plan 34*. 36 p. \$15.00

## **Hoiho (*Megadyptes antipodes*) recovery plan 2000-2005.**

B. McKinlay. 2001. *Threatened Species Recovery Plan 35*. 26 p. \$15.00

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