

Summary of Decisions Requested

on the

Proposed Chatham Islands Regional Pest Management Strategy

by Strategy location

## Summary of Decisions Requested: Proposed Chatham Islands Regional Pest Management Strategy 2006

This is a Summary of Decisions requested to the Proposed Chatham Islands Regional Pest Management Strategy (2006). To ensure that points within submissions are directly linked to parts of the Strategy, both the submissions and Strategy are coded. Submitters are given a "SubID" number as summarised in Table 1 below. Parts within the Strategy are given a general location code, then a specific page and line number code. General submissions are given a 0-0-0 location code. Location 1-14-10 refers to general code 1, page number 14, line number 10.

**Table 1:** List of submitters to the Proposed Chatham Islands Regional Pest Management Strategy

Sub ID	Submitter	Contact	Address	To be heard?
1	Chatham Islands Conservation Board	Alex McKillop	PO Box 114 CHATHAM ISLANDS	No
2	Department of Conservation	Alan McKenzie	Wellington Conservancy PO Box 5086 WELLINGTON	Alone
3	Royal Forest and Bird Society	Mark Bellingham	PO Box 67-123 AUCKLAND	No
4	Landcare Research NZ Ltd	Philip Cowan	Private Bag 11052 PALMERSTON NORTH	No
5	Pitt Island Community	Bronwyn Thompson	damonandbron@xtra.co.nz	Joint
6	Chatham Island Federated Farmers	Elizabeth Tuanui	PO Box 2 CHATHAM ISLANDS	Joint
7	Lois Croon		PO Box 17 CHATHAM ISLANDS	No
8	Wilfred Lanauze		PO Box 13 CHATHAM ISLANDS	Joint
9	Bruce and Elizabeth Tuanui		PO Box 2 CHATHAM ISLANDS	No
10	Biosecurity NZ	Mike Harre	PO Box 2526 WELLINGTON	No
11	Ngati Mutunga O Wharekauri Turst	Alison Davis	PO Box 50 CHATHAM ISLANDS	Joint

## Summary of submissions by Strategy location

This is a summary of the decision requested by submitters in order of Strategy location. Council staff have interpreted these submissions to the best of their ability, to identify the decision being sought. For more detailed information, please refer to the original submission.

### 0-0-0 General submissions made to the Regional Pest Management Strategy

Location	SubID/point	Submitter	Summary of decision requested
0-0-0	1.1	Chatham Islands Conservation Board	Submitter finds the Proposed PMS document not easy to follow. Eg, numbering of Sections 1-7 between page 6 and 30, and the headings on subsequent pages.
0-0-0	1.70	Chatham Islands Conservation Board	Include a section on marine pest within the Strategy.
0-0-0	2.31	Department of Conservation	Change the term "Maori" to one that is inclusive of all iwi on the Chatham Islands.
0-0-0	3.1	Royal Forest and Bird Society	Submitter supports the strategy and provisions contained in the draft.
0-0-0	3.2	Royal Forest and Bird Society	Include provisions for response plans for biosecurity incursions on the outlying islands of the Chatham Islands (including private islands) in the Strategy. These plans need to address issues such as the agency coordinating the incursion response, funding and surveillance.
0-0-0	4.1	Landcare Research NZ Ltd	Include a provision in the Pest Management Strategy for biological control to be used as a tool for managing weeds where appropriate, and a strategy be developed to limit the spread and reduce the current range of gorse infestations.
0-0-0	4.33	Landcare Research NZ Ltd	Amend the Principal measures in all sections to relate to measurable performance measures which in turn require clearly defined targets.
0-0-0	4.34	Landcare Research NZ Ltd	Regarding the statements that Council has powers but no operational capacity and that alternative measures will be ineffective reinforces the need for the strategy to be based on clear prioritisation and measurable outcomes.
0-0-0	4.52	Landcare Research NZ Ltd	Include fungi in the RPS.
0-0-0	4.65	Landcare Research NZ Ltd	Submitter requests that the Council gives priority to production of a comprehensive database of introduced species presence, abundance and distribution on the Chatham Islands, and to any survey activity needed to complete that database.
0-0-0	4.66	Landcare Research NZ Ltd	Submitter requests that the Council revises the PMS to take into account the need to prioritise activity and allocation of resources using a transparent process with defined assessment criteria, and that this process is detailed as part of the PMS.
0-0-0	4.67	Landcare Research NZ Ltd	Submitter requests that the Council recognise the need for bioeconomic models to help it make strategic decisions regarding the status of pests as surveillance, total control or containment.
0-0-0	4.68	Landcare Research NZ Ltd	Submitter requests that the Council take action to minimise risk of new incursions by moving as much of that risk offshore as possible.
0-0-0	4.69	Landcare Research NZ Ltd	Submitter requests the Council to take into account the latest research findings and best practice about pest surveillance and eradication in developing its operational plans.
0-0-0	4.70	Landcare Research NZ Ltd	Submitter requests the Council to develop a set of outcome focussed measures for assessing the

			benefits of its activity under the PMS.
0-0-0	4.71	Landcare Research NZ Ltd	Submitter requests that the Council makes use of best practice protocols for surveillance and pest management, where those are available.
0-0-0	6.16	Chatham Island Federated Farmers	Submitter requests that if a group is established that determines whether or not a new pest should be eradicated the submitter (Federated farmers) would like to be part of the process.
0-0-0	10.1	Biosecurity NZ	Submitter request that the "The Ministry of Agriculture and Forestry's Advice and Recommendations to assist Regional Pest Management Strategy Reviews" be read as part of the submitter's submission and that these recommendations be considered where they complement the specific points in the submission.
0-0-0	10.10	Biosecurity NZ	Include the four points as below in the RPMS and include a commitment to utilising best environment practice and recognised humane methods for animal pest management. 1) Appropriate consideration of alternative measures with regard to desired outcome (eg damage limitation versus eradication); 2) Consideration of the animal welfare impacts and use of the most humane control tool that will still have the desired outcome; 3) Following best practice and any label directions or conditions, in order to limit escapes, sublethal dosing and non-target impacts; 4) Effective monitoring and follow-up control to ensure pest numbers remain low, avoiding the need to kill large numbers of animals in the future.
0-0-0	11.2	Ngati Mutunga O Wharekauri Trust	Seek from Biosecurity NZ recognition that Wharekauri is a region geographically separated by 700km of ocean, and the requirement for strong border controls between Wharekauri and mainland NZ.
0-0-0	11.3	Ngati Mutunga O Wharekauri Trust	Include a requirement for an assessment of plants and animals not present in the Chatham Islands for their likelihood to become pests. The person or agency proposing the introduction should be required to make an application and the assessment undertaken by the Chatham Islands Council, as the administrator of the Strategy, and Iwi as treaty partners. Appropriate technical and science advice sought, and including from various government agencies. An import permit may be issued. Information on the process of importation must be made widely available to stakeholders and the public.
0-0-0	11.4	Ngati Mutunga O Wharekauri Trust	Include a procedure to rapidly list new species as pests, and movement between schedules (surveillance, containment, total control) depending on the severity of the pest's impact as it becomes known.
0-0-0	11.5	Ngati Mutunga O Wharekauri Trust	Include a procedure for agencies to work together on managing pests and new incursions. This may be done through a MOU between all agencies and iwi.
0-0-0	11.6	Ngati Mutunga O Wharekauri Trust	Establish a contingency fund with central government funding support to eradicate new pest arrivals.
0-0-0	11.11	Ngati Mutunga O Wharekauri Trust	Include widely recognised aquatic pests of New Zealand to be listed as pests in the Chatham Islands RPMS with appropriate measures in place to prevent their introduction, and eradication if they arrive on Wharekauri.

0-0-0	11.12	Ngati Mutunga O Wharekauri Trust	Amend the RPMS to recognise the importance of maintaining pest free status to protect the highly significant biodiversity and cultural values offshore islands of Wharekauri. Prohibit all introduced species of plants and animals from these islands, and put in place preventative measures to minimise the risk of accidental introduction. Liaison with the Chatham Islands Area Office of the Department of Conservation and the landowners is required to ensure that there is a coordinated approach to biosecurity of offshore islands.
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#### 1-10-1 Part 1 Introduction and background

1-10-1	2.1	Department of Conservation	Add an anticipated result that covers "total control" pests.
1-10-20	4.2	Landcare Research NZ Ltd	Add extra words (to replace missing words?) as follows: "...of the opinion that an incursion response <u>action plan</u> is critical..."
1-10-23	4.3	Landcare Research NZ Ltd	Clarify the basis on which the decision has been made that a pest justifies a regional as opposed to local (property) response.

#### 1-14-10 Pests and the Chatham Islands

1-14-10	2.2	Department of Conservation	Amend paragraph three to reflect that the Chatham Islands have "fewer pests than mainland New Zealand".
1-14-13	4.4	Landcare Research NZ Ltd	Submitter comments that there is likely to be an additional impact of new pests on ecotourism.
1-14-18	2.3	Department of Conservation	Amend to read that Chathams has 418 indigenous vascular plant taxa of which 47 (11%) are endemic.
1-14-32	2.4	Department of Conservation	Amend the first sentence of paragraph seven to read: "Isolated island groups such as the Chatham Islands ..."

#### 1-15-7 Review of the Pest Management Strategy (2001)

1-15-7	4.5	Landcare Research NZ Ltd	Establish a comprehensive baseline data on weed and pest occurrence, distribution, density and impacts on the Chatham Islands, including garden plants.
1-15-13	2.5	Department of Conservation	Update details to include Veldt grass.
1-16-31	4.6	Landcare Research NZ Ltd	Include risk assessment for freshwater pests so that surveillance efforts can be prioritised.

#### 1-17-14 The proposed Strategy

1-17-14	4.7	Landcare Research NZ Ltd	Develop bioeconomic models to help with decisions on controlling the establishment of pests on Pitt Island, and
1-17-29	4.8	Landcare Research NZ Ltd	Submitter comments that the conditions under which eradication of a pest should be attempted are well known and published in the scientific literature.
1-17-34	2.6	Department of Conservation	Include a description of the effects caused by pest fish/invertebrates in paragraph 10 such as: o Modify or destroy natural habitat

			<ul style="list-style-type: none"> <li>o Stir up sediments (could be included as 'reduce water quality')</li> <li>o Destroy native macrophytes</li> <li>o Increase likelihood of invasion of pest plants</li> <li>o Increase risk of toxic algal blooms (could be included as 'reduce water quality')</li> <li>o Prey upon, or attack, native fish and invertebrates and their eggs</li> <li>o Compete with native fish for food and habitat</li> </ul>
1-17-42	4.9	Landcare Research NZ Ltd	Submitter comments that just because koi carp and gold fish cannot be distinguished morphologically it doesn't mean that impacts/damage made by them are the same.
1-17-42	4.19	Landcare Research NZ Ltd	Amend the draft RPMS to prioritise declared pests.
1-18-6	4.10	Landcare Research NZ Ltd	Amend the strategy to strengthen its focus on prioritisation of pests for management and the allocation of resources to various biosecurity activities.

#### 1-19-17 Section 2: Statutory and planning framework

1-19-17	4.11	Landcare Research NZ Ltd	Amend the first sentence to read "To be consistent with other pest management strategies, those pest that were....., but not in the Chathams Islands PMS (2001) or the NPPA, were considered for inclusion..."
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#### 1-20-25 Section 2: Statutory and planning framework - Initial consultation

1-20-25	11.1	Ngati Mutunga O Wharekauri Trust	Amend the correct spelling of the Iwi trust, to "Ngati Mutunga O Wharekauri Iwi Trust".
1-20-27	4.12	Landcare Research NZ Ltd	Amend to correct the name of Landcare research.

#### 1-22-5 Section 2: Statutory and planning framework - Table 1: Pest Infestation model

1-22-5	4.13	Landcare Research NZ Ltd	Amend Table 1 No 1-3 Programme for Pitt Island to read: "Surveillance and Incursion response".
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#### 1-23-1 Section 2: Statutory and planning framework - Effects of the strategy's implementation

1-23-1	1.13	Chatham Islands Conservation Board	<p>Provide regular inspection/ monitoring of a representative selection of key freshwater sites in order to detect early stages of infestation by pests.</p> <p>Advice should be sought from the authors of the 2004 NIWA report, as to monitoring sites and frequency of inspection.</p> <p>Consider training a Chathams-based diver on weed and pest identification.</p> <p>Undertake a systematic inspection of all Chatham Islands garden and domestic ponds and aquaria.</p>
1-23-13	1.12	Chatham Islands Conservation Board	Clarify whether " <i>A precautionary approach to the management of aquatic pests is proposed...</i> " means a precautionary approach rather than a hesitant involvement?
1-23-15	10.11	Biosecurity NZ	Include a statement regarding animal welfare impacts of pest control, and the need to be seen to be minimising these impacts.
1-23-20	6.1	Chatham Island Federated Farmers	Delete the examples of grass grub, leaf rollers, diamond backed moths and scale insects.
1-23-20	6.3	Chatham Island Federated Farmers	Add a new provision for commercial farming of goats should be available should it be come a viable

			option in the future.
1-23-34	10.12	Biosecurity NZ	Include a statement as follows: "Detrimental effects of the proposed Strategy include the use of herbicides and pesticides that can adversely impact non-target species, animal welfare and general public health."
1-23-37	4.14	Landcare Research NZ Ltd	Take into account recent evidence that suggests introduced wild birds may act as an important reservoir of infection for native birds.
1-23-40	2.7	Department of Conservation	Replace "orange-fronted parakeet" with "Forbes' parakeet".

#### 1-24-17 Section 2: Statutory and planning framework - Section 100 small scale incursion response

1-24-17	4.15	Landcare Research NZ Ltd	Amend the last sentence of the first paragraph under Section 100 to read: "...and small size, <u>it</u> may be cost effective to eradicate <u>those present</u> ".
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#### 1-25-13 Section 2: Statutory and planning framework - Resource Management Act 1991

1-25-13	10.30	Biosecurity NZ	Add a reference to the coastal marine area to the Resource Management Act section.
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#### 1-26-1 Section 3. Pest management responsibilities

1-26-1	1.14	Chatham Islands Conservation Board	Many actual and potential plant pests must already be present in Chatham Islands gardens, both as horticultural plants and as unrecognised weeds. A systematic inspection of all Chatham Islands gardens and former house/ farm homestead sites should be carried out.
1-26-1	6.7	Chatham Island Federated Farmers	Supports retaining the Department of Conservation and Biosecurity NZ as governing bodies for freshwater and marine organisms.
1-26-1	6.8	Chatham Island Federated Farmers	Improve the strength in surveillance and prevention of any marine/freshwater pests entering Chatham Island waters.
1-26-1	6.9	Chatham Island Federated Farmers	Submitter supports the RPMS, due to the depressed state of farming on the Chatham's and the inability of farmers to withstand more costs than what is proposed in the strategy.
1-26-1	6.10	Chatham Island Federated Farmers	Retain the existing policy but push for regulation specific to the Chatham's.

#### 1-26-29 Section 3. Pest management responsibilities - Biosecurity New Zealand

1-26-29	10.28	Biosecurity NZ	Amend to update the Biosecurity New Zealand information in this section to include the information from the recommendations document and the National Prioritisation decision document. Add the address for the Biosecurity New Zealand website and the correct hotline number.
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#### 1-27-2 Section 3. Pest management responsibilities - Department of Conservation

1-27-2	2.8	Department of Conservation	Update the information in paragraph one using information from the Department of Conservation Statement of Intent 2006-2007 and it can be found at <a href="http://www.doc.govt.nz/upload/documents/about-doc/role/policies-andplans/statement-of-intent-">http://www.doc.govt.nz/upload/documents/about-doc/role/policies-andplans/statement-of-intent-</a>
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			(2006-2009).pdf
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### 1-27-23 Section 3. Pest management responsibilities - Ministry of Fisheries

1-27-23	10.29	Biosecurity NZ	Amend this section to correct the information regarding MFish responsibilities and ballast water controls. Consider adding linkages to the Chatham Island Resource Management Plan rules to prevent the release of contaminants into the coastal marine area, and including marine pests in the definition of contaminants.
1-28-1	4.16	Landcare Research NZ Ltd	Amend the RPMS to explicitly explore ways in which risk of incursion can be minimised by inspection of vessels, aircraft etc at their last port of call before the Chatham Islands.

### 1-28-4 Section 3. Pest management responsibilities - Other Regional Councils

1-28-4	4.17	Landcare Research NZ Ltd	Clarify how will Chathams Island Council support other councils in managing off shore risks
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### 1-28-22 Section 3. Pest management responsibilities - Integrated pest management

1-28-22	2.9	Department of Conservation	Change the wording from "... pests may be cost effectively eradicated:" to "... pests may be cost effectively eradicated <u>when:</u> " in the first paragraph under Integrated pest management.
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### 1-31-1 Part II: Pest management programmes - Section 1: Organisms declared to be pests

1-31-1	3.4	Royal Forest and Bird Society	Include a declaration that all rodent species and other exotic mammals as total control pests.
1-31-1	11.7	Ngati Mutunga O Wharekauri Trust	Amend the table to include the following pests to be prohibited from Wharekauri: (Note two species below are present in private gardens and residents should be encouraged to remove them - Mexican dairy and kahili ginger.) All marine animal and plant pests All freshwater aquatic weeds All exotic freshwater fish, reptiles and amphibians All exotic marine pests Brush wattle Crack willow Grey willow Moth plant Maderia vine Climbing asparagus Tree privet Chinese privet Woolly nightshade Boneseed Lantana Mistflower

			<p>Woolly nightshade  Purple pampas  Mexican daisy  Kahili ginger  Old Man's Beard  Seligenella/African clubmoss  Holly  Hawthorn  Sharp rush</p> <p>For the offshore islands:  All exotic animals and plants.</p>
1-31-2	4.18	Landcare Research NZ Ltd	Amend the start of Section 1 to restate the rationale/decision making process by which the organisms listed were chosen for declaration as pests.

**1-31-7 Section 1: Organisms declared to be pests - Table 2: Organisms declared to be pests**

1-31-7	1.4	Chatham Islands Conservation Board	<p>Include the plant pests listed in Table 2 in other pest management programmes. (Include) the following in Table 2:</p> <p>periwinkle <i>Vinca major</i>  agapanthus <i>Agapanthus preacox</i> subsp. <i>orientalis</i> (Chatham and Pitt)  arum - Italian <i>Arum italicum</i>  ox-eye daisy <i>Leucanthemum vulgare</i>  tall fescue <i>Schedonorus phoenix</i>  helichrysum <i>Helichrysum petiolare</i> (Chatham + Pitt)  montbretia <i>Crocasmia X crocosmiiflora</i> (Chatham + Pitt)  thistle - Scotch <i>Cirsium vulgare</i> (Chatham + Pitt)  boxthorn <i>Lycium ferocissimum</i>  broom <i>Cytisus scoparius</i>  Cape honey flower <i>Melianthus major</i>  Chilean guava <i>Ugni molinae</i>  cotoneaster <i>Cotoneaster glaucophyllus</i>  cotoneaster <i>Cotoneaster lactea</i>  elderberry <i>Sambucus nigra</i>  sycamore <i>Acer pseudoplatanus</i>  banana passionfruit <i>Passiflora tripartita</i> var. <i>mollissima</i>  Cape ivy <i>Senecio angulatus</i></p>
1-31-7	2.10	Department of Conservation	<p>Amend Table 2 with the following:</p> <ul style="list-style-type: none"> <li>o Add columns to indicate presence/absence on Chatham Islands, and unwanted organism status</li> <li>o All unwanted organisms present on the Chathams should be on the total control list (e.g. <i>Clematis vitalba</i> and <i>Tropaeolum speciosum</i>) or, if their status as unwanted organisms means that</li> </ul>

			<p>eradication is mandatory then that should be clarified in the text.</p> <ul style="list-style-type: none"> <li>o Highlight category headings Freshwater, Lizards and Insects</li> <li>o Rename category "Grasses" to "Grasses and sedges"</li> <li>o Move agapanthus, Italian agapanthus and arum lily to "Herbs"</li> <li>o "Chilean rhubarb <i>Gunnera manicata</i>" is listed as Surveillance and "Chilean rhubarb <i>Gunnera monoica</i>" as Total Control. This latter is in error, and should be <i>Gunnera tinctoria</i> (<i>Gunnera monoica</i> is a small-leaved NZ native). We understand that it is <i>Gunnera tinctoria</i> that is present on the island but as the species are difficult to distinguish, both <i>Gunnera tinctoria</i> and <i>Gunnera manicata</i> should be listed under Total Control.</li> <li>o Add ivy (<i>Hedra helix</i>) to vines in Surveillance list</li> <li>o Catfish (<i>Ameiurus nebulosis</i>) is listed twice</li> <li>o Piranha is spelt incorrectly</li> <li>o Chinook is spelt incorrectly</li> <li>o <i>Oncorhynchus</i> is spelt incorrectly under sockeye salmon</li> <li>o Add southern bell frog (<i>Litoria raniformis</i>) to Surveillance list</li> <li>o Add whistling frog (<i>Litoria ewingii</i>) to Pitt Island Surveillance list</li> <li>o Add veldt grass (<i>Ehrharta erecta</i>) to total control</li> <li>o (<i>Buddleia salvifolia</i>) is listed under Total Control in the table on p. 36 but <i>Buddleia davidii</i> is listed in the description on p. 48. List both if present.</li> <li>o Goldfish (<i>Carassius auratus</i>) should be moved to Total Control (refer last para p.17)</li> <li>o Add aquatic plants Canadian pondweed (<i>Elodea canadensis</i>), water lily (<i>Nymphaea alba</i>) and <i>Myriophyllum varriifolium</i> to Surveillance list</li> <li>o Add purple-backed duckweed (<i>Spirodela punctata</i>) and starwort (<i>Callitriche stagnalis</i>) to Total Control</li> <li>o Add rush (<i>Juncus articulatus</i>), <i>Carex flacca</i>, <i>Leycestria formosa</i> and <i>Angelica pachycarpa</i> to Containment. Refer "Chatham Island weed risk assessment 2006" attached.</li> <li>o Add the fish species: grass carp (<i>Ctenopharyngodon idella</i>), silver carp (<i>Hypophthalmichthys molitrix</i>), stickleback (<i>Gasterosteus aculeatus</i>) and caudo (<i>Phallocerus caudimaculatus</i>) to surveillance list.</li> </ul>
1-31-7	3.3	Royal Forest and Bird Society	Include a section in Table 2 for "Other Islands".
1-31-7	4.20	Landcare Research NZ Ltd	Reformat Table 2.
1-31-7	4.21	Landcare Research NZ Ltd	Clarify whether organisms declared as unwanted organisms in NZ (eg ferrets) be included in this table, or listed in a separate Table.
1-31-7	4.23	Landcare Research NZ Ltd	Include introduced wasps, mice and introduced birds in Table 2.

#### 1-31-9 Table 2 - Surveillance Chatham Islands

1-31-9	11.8	Ngati Mutunga O Wharekauri Trust	<p>Add the following pests present on Wharekauri to be under surveillance:</p> <p>Undaria Introduced starfish</p>
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			White pampas Flowering cherry English Ivy African ice plant Banana passionfruit Boxthorn
1-32-1	1.36	Chatham Islands Conservation Board	Add a new heading 'Grasses and Sedges' for the top half of page 32, which would embrace: Australian sedge, Chilean needlegrass, giant needlegrass, Kangaroo grass, nut grass, palm grass, paspalum, tall fescue. The other items in top half p. 32 should be listed with the herbs.
1-32-3	1.28	Chatham Islands Conservation Board	Amend to read: " <i>agapanthus Agapanthus preacox subsp. orientalis</i> ".
1-32-3	10.2	Biosecurity NZ	Amend to correct the spelling of Agapanthus ( <i>Agapanthus spp</i> ).
1-32-7	1.29	Chatham Islands Conservation Board	Amend to read: "Chilean needlegrass <i>Stipa neesiana</i> ".
1-32-7	10.3	Biosecurity NZ	Amend to correct the spelling of Chilean Needle Grass ( <i>Stipa neesiana</i> ).
1-32-9	1.30	Chatham Islands Conservation Board	Amend to have lower case for kangaroo grass.
1-32-10	1.31	Chatham Islands Conservation Board	Amend to have lower case for nut grass.
1-32-11	1.32	Chatham Islands Conservation Board	Amend to have lower case for oxeye daisy.
1-32-13	1.33	Chatham Islands Conservation Board	Amend to have lower case for palm grass.
1-32-14	1.34	Chatham Islands Conservation Board	Amend to have lower case for paspalum.
1-32-16	1.35	Chatham Islands Conservation Board	Amend to read: tall fescue <i>Schedonorus phoenix</i> (new name after reclassification).
1-32-18	1.37	Chatham Islands Conservation Board	Amend to read: "burdock <i>Arctium minus</i> "
1-32-18	10.4	Biosecurity NZ	Amend to correct the spelling of Burdock ( <i>Arctium minus</i> ).
1-32-19	1.38	Chatham Islands Conservation Board	Amend to read: "Chilean rhubarb <i>Gunnera manicata plus G. tinctoria</i> "
1-32-28	1.27	Chatham Islands Conservation Board	Amend to read: "water primrose <i>Ludwigia peploides subsp. montevidensis</i> "
1-32-28	1.39	Chatham Islands Conservation Board	Amend to read: "montbretia <i>Crocasmia X crocosmiiflora</i> ".
1-33-7	1.40	Chatham Islands Conservation Board	Amend to read: "velvet groundsel <i>Senecio petasitis</i> ".
1-33-16	1.41	Chatham Islands Conservation	Amend to have bomarea listed under the heading of vines on page 34.

		Board	
1-33-22	1.42	Chatham Islands Conservation Board	Amend to have broomsedge listed under the heading of grasses.
1-33-23	10.5	Biosecurity NZ	Amend to correct the spelling of Buddleia ( <i>Buddleja davidii</i> ).
1-33-32	1.43	Chatham Islands Conservation Board	Amend to have elderberry listed under the heading of trees.
1-33-33	1.44	Chatham Islands Conservation Board	Amend to have giant bindweed read as " <u>giant buttercup</u> " ( <i>Ranunculus acris</i> ).
1-34-2	1.45	Chatham Islands Conservation Board	Amend to read: "green daphne <i>Daphne laureola</i> ".
1-34-7	1.46	Chatham Islands Conservation Board	Amend to read: "thorn apple <i>Datura stramonium</i> ".
1-34-25	1.49	Chatham Islands Conservation Board	Amend the current botanical name to " <i>Passiflora tripartita var. mollissima</i> ".
1-34-27	1.47	Chatham Islands Conservation Board	Amend to read: "eleagnus <i>Eleagnus X reflexa</i> ".
1-34-28	1.48	Chatham Islands Conservation Board	Amend to read: "fern y asparagus <i>Asparagus setaceus</i> ".
1-34-29	1.50	Chatham Islands Conservation Board	Amend to have Himalayan honeysuckle listed under the heading of shrubs.
1-34-30	1.51	Chatham Islands Conservation Board	Amend to read: " <u>Cape ivy</u> <i>Senecio angulatus</i> ". Also move this elsewhere as it is not strictly an ivy.
1-35-4	1.9	Chatham Islands Conservation Board	Include stoat and weasel in the list of animal pests, after " <i>ferret</i> ".
1-35-28	4.22	Landcare Research NZ Ltd	Add more details about Amphibians and reptiles, as these are increasing in popularity as pets and so may pose an increased risk to the Chatham Islands.

#### 1-36-2 Table 2 - Surveillance Pitt Island

1-36-2	4.24	Landcare Research NZ Ltd	Provide a better evaluation of the risk of direct arrival of pests on Pitt or other outlying areas.
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#### 1-36-8 Table 2 - Total control

1-36-8	11.9	Ngati Mutunga O Wharekauri Trust	Include the following pests present on Wharekauri to be contained by control: Wandering jew Periwinkle Cape ivy Tutsan Himalayan honeysuckle Whistling frog (north of the Waitangi/Owenga Road)
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			Goldfish
1-36-8	11.10	Ngati Mutunga O Wharekauri Trust	Include the following pests present on Wharekauri to be under total control: Chilean rhubarb Broom Cotoneaster Chilean guava Sweet brier Chilean flame creeper Kahili ginger Seligenella/African club moss Bell frog (if confirmed present) Garden snail (Pitt Island)
1-36-9	1.52	Chatham Islands Conservation Board	Amend to have the listing banana passionfruit the same for <i>Passiflora mixta</i> and also <i>P. tripartita</i> var. <i>mollissima</i> .
1-36-10	1.53	Chatham Islands Conservation Board	Amend to read: "broom - white <i>Cytisus multiflorus</i> ".
1-36-11	1.54	Chatham Islands Conservation Board	Amend to read: "broom - <u>Montpellier</u> <i>Teline monspessulana</i> ".
1-36-12	1.55	Chatham Islands Conservation Board	Amend to read "broom <i>Cytisus scoparius</i> ".
1-36-13	1.56	Chatham Islands Conservation Board	Amend to read: "buddleia <i>Buddleja</i> " (spelt with j in formal name); also clarify that the species <i>B. salvifolia</i> is intended here, or should the listing be <i>B. davidii</i> , as on p. 48?
1-36-13	1.57	Chatham Islands Conservation Board	Amend to read "Chilean rhubarb <i>Gunnera <u>manicata</u>, G. tinctoria</i> " (not <i>G. monoica</i> = native sp.)
1-36-13	2.17	Department of Conservation	Amend the text in Table 2 page 36 to refer to both <i>Buddleia davidii</i> and <i>Buddleia salvifolia</i> .
1-36-13	10.6	Biosecurity NZ	Correct the spelling of Buddleia ( <i>Buddeja davidii</i> ).
1-36-14	10.7	Biosecurity NZ	Correct the botanical name of Chilean rhubarb to <i>Gunnera tinctoria</i> .
1-36-18	1.58	Chatham Islands Conservation Board	Amend to read: "montbretia <i>Crocasmia X crocosmiiflora</i> ".

#### 1-37-1 Section 2: Pest objectives and principal measures - Introduction

1-37-1	3.5	Royal Forest and Bird Society	Include other islands in Figure 3 and in the introduction and other chapters of this section;
1-37-1	4.25	Landcare Research NZ Ltd	Include a bioeconomic model to help it make decisions on prioritising pest management. For example, the cost if impacts needs to be factored into decision-making.

#### 1-38-1 Section 2: Pest objectives and principal measures - Total control

1-38-1	4.26	Landcare Research NZ Ltd	Include a proper evaluation of all factors to assist with the decision to eradicate pests.
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**1-38-5 Section 2: Pest objectives and principal measures - Containment**

1-38-5	4.27	Landcare Research NZ Ltd	Include a robust process to prioritise containment among pests.
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**1-39-1 Section 2: Surveillance**

1-39-1	1.10	Chatham Islands Conservation Board	Whistling frogs are known to be established on Chatham Island, but not recorded from Pitt. Suggest add them in the category of Surveillance - Pitt Island.
1-39-1	1.11	Chatham Islands Conservation Board	Consideration should be given to assessing the feasibility of eradicating the garden snail <i>Helix aspersa</i> from Pitt, and adding it to the Surveillance - Pitt Island category.
1-39-1	3.6	Royal Forest and Bird Society	Include provision for objectives, principal measures and alternative measures for appropriate pest species for the 'other islands' in Section 2.
1-39-1	10.27	Biosecurity NZ	Add the marine species for which surveillance is being undertaken, particularly undaria and styela. Identification of the potential pathways for these pests would be helpful here also.
1-39-7	4.28	Landcare Research NZ Ltd	Include fishing in the risk pathways .
1-39-12	4.29	Landcare Research NZ Ltd	Amend the RPMS to have internal border control and screening procedures for air transport to be a high priority.

**1-40-1 Section 2: Surveillance - Chatham Islands**

1-40-1	3.9	Royal Forest and Bird Society	Include provisions for response plans for biosecurity incursions on the outlying islands of the Chatham Islands. These plans need to address issues such as the agency coordinating the incursion response, funding and surveillance.
1-40-1	4.35	Landcare Research NZ Ltd	Provide a list of surveillance pests for Chatham Island.
1-40-1	10.9	Biosecurity NZ	Amend the addition of information on the impacts of species listed as Surveillance - Chatham Island.

**1-40-2 Section 2: Pest objectives and principal measures**

1-40-2	4.31	Landcare Research NZ Ltd	Amend the introduction to prioritise among surveillance pests so that adequate allocation of resources can be assured.
1-40-2	4.32	Landcare Research NZ Ltd	Amend the introduction to have a better baseline data for pests - this should be a high priority.

**1-40-16 Section 2: Surveillance - Chatham Islands - Principal measures**

1-40-16	2.11	Department of Conservation	Add incursion response to the list of principal measures.
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**1-41-1 Section 2: Surveillance - Pitt Islands**

1-41-1	4.36	Landcare Research NZ Ltd	Provide a more detailed information of status of pests on Pitt island.
1-41-1	4.39	Landcare Research NZ Ltd	Include plant surveillance and an overall list of surveillance pests for Pitt Island.
1-41-5	2.12	Department of Conservation	Delete the sentence "If pests are detected, their presence will be reported to the Department of

			Conservation to undertake an incursion response, which may include eradication.”
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#### 1-41-8 Section 2: Surveillance - Pitt Islands - Possum

1-41-8	1.59	Chatham Islands Conservation Board	Amend to read: "possum <i>Trichosurus vulpecula</i> ".
1-41-8	2.13	Department of Conservation	Amend the spelling of <i>Trichosurus vespula</i> to <i>Trichosurus vulpecula</i> .
1-41-8	10.13	Biosecurity NZ	Amend the correct spelling to " <i>Trichosurus vulpecular</i> ".
1-41-9	4.37	Landcare Research NZ Ltd	Amend the Description to correct some of the inaccurate material (eg weight 1400-1600g).
1-41-11	10.14	Biosecurity NZ	Replace "1600g" with "6400g"
1-41-23	3.10	Royal Forest and Bird Society	Include an additional principal measure: Seek to keep Pitt Island possum-free, following any incursion.
1-41-23	4.38	Landcare Research NZ Ltd	Provide a contingency plan for dealing with possums, should they get to Pitt Island.

#### 1-42-5 Section 2: Surveillance - Pitt Islands - Kiore, Norway rat, Ship Rat

1-42-5	4.40	Landcare Research NZ Ltd	Submitter comments that Norway rats and ship rats are reasonably easy to distinguish from various body characteristics, and also states that it may be worth noting that ship rats can occur in three different colour types - black, brown with white belly, and brown with grey belly.
1-42-17	2.14	Department of Conservation	Remove reference to moreporks.
1-42-18	4.41	Landcare Research NZ Ltd	Amend the Distribution section to make clear that all three rat species are present on Chatham Island, and also that mice are present on both Chatham Island and Pitt Island. Also note that both Norway rats and ship rats are also commensal - they often occupy houses, business premises, and farm buildings.
1-43-7	3.11	Royal Forest and Bird Society	Include an additional principal measure: Advocate and oversee the installation of rodent bait stations on all vessels landing or mooring at Pitt Island.
1-43-18	2.15	Department of Conservation	Delete paragraphs 2-4 in the "Alternative measures" section.

#### 1-44-1 Section 2: Surveillance - Pitt Islands - Hedgehog

1-44-1	4.43	Landcare Research NZ Ltd	Clarify the justification for including hedgehogs in surveillance pests, particularly relative to some other potential vertebrate pests on Chatham Island.
1-44-5	2.16	Department of Conservation	Delete the reference to weka.

#### 1-45-1 Section 3: Total control

1-45-1	4.44	Landcare Research NZ Ltd	Amend to complete the criteria used to determine a total control programme - e.g. all individuals of the pest need to be able to be put at risk from the management technology. Take into account a range of other criteria before embarking on total control - eg assured funding. Consider when rules for total control will be stopped - when do you decide you have been successful or when do you decide that total control will not be achievable?
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			Note that the issues around pest eradication and surveillance is the subject of ongoing research by Landcare Research that could be usefully applied to assist the Council with development of better overall strategies for pest management.
1-45-1	10.18	Biosecurity NZ	Include a timeframe over which eradication will be carried out in the total control pest descriptions.
1-45-13	4.45	Landcare Research NZ Ltd	Clarify whether Criterion #2 means "detection methods must be effective i.e. pests are able to be detected even when densities have been reduced by 90%."
1-45-15	3.12	Royal Forest and Bird Society	Include an additional principal measure: Seek to keep Pitt Island hedgehog-free, following any incursion.

#### 1-46-2 Total control - Banana passionfruit

1-46-2	1.60	Chatham Islands Conservation Board	Amend the banana passionfruit listing as for <i>Passiflora mixta</i> and also <i>P. tripartita</i> var. <i>mollissima</i> .
1-46-16	10.19	Biosecurity NZ	Replace "Eradicate ..... on the Chatham Islands prior to seeding" with "Control ..... to zero density on the Chatham Islands to prevent seeding or spread. Eradicate ..... from the Chatham Islands by ....." or similar wording.

#### 1-47-7 Total control - Broom

1-47-7	4.42	Landcare Research NZ Ltd	Amend to include permanent deployment of rodent poison bait stations around wharves on both Chatham and Pitt Islands and these should be operated according to DOC best practice protocols. Include advocacy to make people aware of the potential disastrous consequences of rodent transport to Pitt Island.
1-47-19	10.20	Biosecurity NZ	Replace "Eradicate ..... on the Chatham Islands prior to seeding" with "Control ..... to zero density on the Chatham Islands to prevent seeding or spread. Eradicate ..... from the Chatham Islands by ....." or similar wording.

#### 1-48-2 Total control - Buddleia

1-48-2	1.61	Chatham Islands Conservation Board	Amend to read "buddleia <i>Buddleja davidii</i> ."
1-48-2	2.32	Department of Conservation	Amend to refer to both <i>Buddleia davidii</i> and <i>Buddleia salvifolia</i> .
1-48-2	7.1	Lois Croon	Retain the inclusion of Buddleia to be eradicated, in the PMS.
1-48-15	10.21	Biosecurity NZ	Replace "Eradicate ..... on the Chatham Islands prior to seeding" with "Control ..... to zero density on the Chatham Islands to prevent seeding or spread. Eradicate ..... from the Chatham Islands by ....." or similar wording.

#### 1-49-2 Total control - Chilean rhubarb

1-49-2	1.62	Chatham Islands Conservation Board	Amend to read: "Chilean rhubarb <i>Gunnera manicata</i> , <i>G. tinctoria</i> " (not <i>G. monoica</i> = native sp.)
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1-49-2	2.18	Department of Conservation	Change scientific name to " <i>Gunnera tinctoria</i> and <i>Gunnera manicata</i> "
1-49-2	7.2	Lois Croon	Retain the inclusion of Chilean rhubarb to be eradicated, in the PMS.
1-49-2	10.8	Biosecurity NZ	Correct the botanical name of Chilean rhubarb to <i>Gunnera tinctoria</i> .
1-49-17	10.22	Biosecurity NZ	Replace "Eradicate ..... on the Chatham Islands prior to seeding" with "Control ..... to zero density on the Chatham Islands to prevent seeding or spread. Eradicate ..... from the Chatham Islands by ....." or similar wording.
1-49-24	1.63	Chatham Islands Conservation Board	Replace "buddleia" with " <u>Chilean rhubarb</u> " in bullet point 5.

#### 1-50-2 Total control - Cotoneaster

1-50-2	1.64	Chatham Islands Conservation Board	Amend to read " <i>Cotoneaster glaucophyllus</i> ".
1-50-2	7.3	Lois Croon	Retain the inclusion of Cotoneaster to be eradicated, in the PMS.
1-50-14	10.23	Biosecurity NZ	Replace "Eradicate ..... on the Chatham Islands prior to seeding" with "Control ..... to zero density on the Chatham Islands to prevent seeding or spread. Eradicate ..... from the Chatham Islands by ....." or similar wording.

#### 1-51-2 Total control - Montbretia

1-51-2	1.65	Chatham Islands Conservation Board	Amend to read: "montbretia <i>Crocsmia X crocosmiiflora</i> ."
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#### 1-52-2 Total control - Sycamore

1-52-2	1.66	Chatham Islands Conservation Board	Amend to read: " <i>Acer pseudoplatanus</i> "
1-52-2	2.19	Department of Conservation	Change scientific name to " <i>Acer pseudoplatanus</i> "

#### 1-53-3 Total control - Kahili ginger Yellow Ginger

1-53-3	7.4	Lois Croon	Retain the inclusion of Yellow ginger to be eradicated, in the PMS.
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#### 1-54-2 Total control - Feral goat

1-54-2	1.26	Chatham Islands Conservation Board	The issue of goats is vexed, a community discussion is required, and the submitter is happy to contribute.
1-54-2	6.2	Chatham Island Federated Farmers	Retain the existing policy on the containment and eradication of feral goats on the Chatham Islands.
1-54-2	7.5	Lois Croon	Retain the inclusion of Chatham Islands being declared as goat free, in the PMS.
1-54-2	8.1	Wilfred Lanauze	Submitter opposes the Chatham Islands Council making the decision to declare the Chatham Islands a closed area for goats.
1-54-2	8.2	Wilfred Lanauze	Amend the PMS to state that a goat inside the owner's boundary fence at any given time is not a feral goat. If a goat is outside the owners boundary fence at any given time it is a feral goat.

1-54-2	9.1	Bruce and Elizabeth Tuanui	Submitter supports the total control of feral goats, and supports the Chatham Islands being a closed area.
1-54-2	9.2	Bruce and Elizabeth Tuanui	Eradicate goats from the Chathams and ban them from being brought in.
1-54-4	2.20	Department of Conservation	Change text to "Wild Animal Control Act 1977"
1-54-27	4.46	Landcare Research NZ Ltd	Clarify the rationale for advocating eradication of feral goats over that of other species.
1-54-28	2.21	Department of Conservation	Retain the principal measures, to be achieved by 2012.
1-55-3	2.22	Department of Conservation	Change text to "Wild Animal Control Act 1977"
1-55-13	4.47	Landcare Research NZ Ltd	If the Council argues that eradication of feral goats from the Chatham Islands is of national importance, costs should not be borne solely by landowners.

#### 1-56-1 Section 4: Containment control

1-56-1	4.48	Landcare Research NZ Ltd	Amend the Introduction Containment control to take into account the economic and social/cultural costs.
1-56-2	1.67	Chatham Islands Conservation Board	Amend to read: "possum <i>Trichosurus vulpecula</i> ".

#### 1-56-17 Section 4: Containment control - Possum, Feral Cattle, Feral sheep, Feral pig

1-56-17	2.23	Department of Conservation	Amend <i>Trichosurus vespula</i> to read <i>Trichosurus vulpecula</i> .
1-56-25	2.24	Department of Conservation	Amend to clarify the status of the presence of feral cattle on Pitt Island.
1-56-28	4.49	Landcare Research NZ Ltd	Clarify whether the description of feral pigs is a general one or relates to the situation on the Chatham Islands.
1-56-29	6.13	Chatham Island Federated Farmers	Clarify the figure of "200kg" - as feral pigs are weighed in pounds, not kilograms.
1-56-37	2.25	Department of Conservation	Amend to clarify that pig and goat track and faecal sign is distinguishable from that of sheep.
1-56-38	2.26	Department of Conservation	Delete the sentence "Feral populations of sheep were eradicated by DOC on Mangere Island."
1-57-1	4.50	Landcare Research NZ Ltd	Amend to include feral animals and weeds which can act as disease hosts that threaten agriculture and native biodiversity.
1-57-1	4.51	Landcare Research NZ Ltd	Include introduced diseases and the risks they pose to biodiversity and agriculture.
1-57-12	4.53	Landcare Research NZ Ltd	Clarify how the "specified areas" for protection of biodiversity values are to be identified and prioritised.
1-57-14	2.27	Department of Conservation	Add reference to specific measures and timeframes to principal measures.

#### 1-58-2 Section 4: Containment control - Ragwort

1-58-2	7.6	Lois Croon	Retain the inclusion of Ragwort to be eradicated, in the PMS.
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#### 1-59-18 Section 4: Containment control - Variegated thistle Californian thistle

1-59-18	1.68	Chatham Islands Conservation Board	Replace "variable" with "variegated" under point 1.
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1-59-20	1.69	Chatham Islands Conservation Board	Replace "variable" with "variegated" under point 2.
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#### 1-60-1 Section 4: Containment control - Gorse

1-60-1	11.13	Ngati Mutunga O Wharekauri Trust	Investigate and obtain funding for gorse control on Wharekauri, where it will be for the good of the whole community. The preference is for non-chemical means of control. Give special consideration to supporting landowners/occupiers of multiple titled blocks and/or low incomes.
1-60-25	6.4	Chatham Island Federated Farmers	Retain the policy of containment and reduction of gorse to make farming viable on both Islands.
1-60-25	6.5	Chatham Island Federated Farmers	Add a new point under Principal measures: "That the council will ensure that all metal pits their contractors use for roading are kept clear of gorse or are clean pits."
1-60-25	6.6	Chatham Island Federated Farmers	Add to Principal Measures bullet point 3: "That the Council make all efforts to utilise the same vehicle farmers use in spraying gorse to help spread the financial load that would effectively lead to landowners being able to spray more areas."

#### 1-62-1 Section 5: Principal measures

1-62-1	3.7	Royal Forest and Bird Society	Make appropriate changes to Section 6 consistent with submission points 3.3 to 3.6.
1-64-1	6.14	Chatham Island Federated Farmers	Add a new section titled "Border Control".
1-64-1	6.15	Chatham Island Federated Farmers	Seek legal advice under the Local Government Act as to whether or not a by-law could be passed to stop all plant material used for hay, straw and bedding e.g. pea straw being imported into the Island.

#### 1-64-6 Section 5: Principal measures - Property plans

1-64-6	10.15	Biosecurity NZ	Amend this Property plan section to include a statement that the property plans will take into account the four principles set out below as far as possible without detracting from the main purpose of the operation. 1) Appropriate consideration of alternative measures with regard to desired outcome (eg damage limitation versus eradication); 2) Consideration of the animal welfare impacts and use of the most humane control tool that will still have the desired outcome; 3) Following best practice and any label directions or conditions, in order to limit escapes, sublethal dosing and non-target impacts; 4) Effective monitoring and follow-up control to ensure pest numbers remain low, avoiding the need to kill large numbers of animals in the future.
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#### 1-64-12 Section 5: Principal measures - Pest control operations

1-64-12	10.16	Biosecurity NZ	Amend this section to include a statement that pest control operations take into account the four principles set out below as far as possible, without detracting from the main purpose of the operation. 1) Appropriate consideration of alternative measures with regard to desired outcome (eg damage
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			<p>limitation versus eradication);</p> <p>2) Consideration of the animal welfare impacts and use of the most humane control tool that will still have the desired outcome;</p> <p>3) Following best practice and any label directions or conditions, in order to limit escapes, sublethal dosing and non-target impacts;</p> <p>4) Effective monitoring and follow-up control to ensure pest numbers remain low, avoiding the need to kill large numbers of animals in the future.</p>
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#### 1-64-24 Section 5: Principal measures - Internal border

1-64-24	6.12	Chatham Island Federated Farmers	Include fishing vessels that require maintenance servicing in NZ.
1-64-24	10.24	Biosecurity NZ	Add Hull Fouling to the description of pathways for marine pests to reach the Chatham Islands.
1-65-1	6.11	Chatham Island Federated Farmers	Reword the first sentence to 'Pest identification and risk assessment training will be provided to <u>all</u> freight handlers that work at an exit point for transportation to the Chatham Islands'.

#### 1-65-8 Section 5: Principal measures - Public awareness

1-65-8	1.25	Chatham Islands Conservation Board	Submitter supports the measures listed on p. 65. Submitter suggests an annual (or more frequent) one-day workshop open to all the community, each with a particular theme e.g. woody weeds, freshwater pests, garden weeds, marine pests, gorse (again), grasses and agricultural weeds. The idea would be to learn about the identity and biology of pests, hear from experts, and share knowledge generally.
1-65-8	10.17	Biosecurity NZ	Include information on minimising harm to animal welfare in the Chatham Island Council public awareness information.
1-65-8	10.25	Biosecurity NZ	Identify Marine Pests as a focus for public awareness programmes on the Chatham Islands, and identify within the strategy linkages with national programmes such as the BNZ national marine biosecurity communications strategy that may assist CIC.

#### 1-66-13 Section 5: Principal measures - Monitoring

1-66-13	4.54	Landcare Research NZ Ltd	Clarify how the benefits of the proposed RPMS will be measured. Include a set of measures that relate to the outcomes (e.g. biodiversity protection or enhancement, reduced agricultural losses, etc..) that the Council wishes to see for its efforts.
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#### 1-67-1 Section 6: Rules

1-67-1	1.15	Chatham Islands Conservation Board	Given that the spread of weedy daisies is principally by windborne seed that can travel long distances, the rules for water races and boundaries may not be effective. Consideration should be given to rules that cover larger areas of infestation. In particular, for Californian thistle which is presently very localised on Chatham and Pitt, and there should be a rule requiring all areas to be controlled annually prior to seeding. Would Californian thistle be better placed in the Total Control category?
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1-67-1	3.8	Royal Forest and Bird Society	Make appropriate changes to Section 5 consistent with submission points 3.3 to 3.6.
1-67-1	4.59	Landcare Research NZ Ltd	Include additional rules to deal with the surveillance, total control and containment control pests listed in the strategy.

#### 1-67-5 Section 6: Rule 1

1-67-5	4.55	Landcare Research NZ Ltd	Amend Rule 1 to read: "No person shall knowingly introduce...".
1-67-5	4.56	Landcare Research NZ Ltd	Amend Rule 1 to also prohibit the movement of pests within Chatham and Pitt Islands.

#### 1-67-7 Section 6: Rule 2

1-67-7	4.57	Landcare Research NZ Ltd	Delete the phrase "...upon request.." from Rule 2. Unless if notification is mandatory, the risk of pest introduction increases greatly. Rule 2 should be unnecessary if effective inspection is conducted offshore.
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#### 1-67-11 Section 6: Rule 3

1-67-11	4.58	Landcare Research NZ Ltd	Submitter comments that a coordinated plan is needed than just the action required by rule 3, if feral goat eradication is to be achieved.
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#### 1-67-19 Section 6: Rules - Gorse boundary rules

1-67-19	1.24	Chatham Islands Conservation Board	The rules for gorse management might require inputs of public funding, supported by cost-benefit analysis, to achieve the long-term objective for the Chatham Islands.
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#### 1-67-20 Section 6: Rule 5

1-67-20	1.16	Chatham Islands Conservation Board	The relationship of 'Gorse Management Areas' to 'low density, moderate density areas' could be made more clear in the headings in Rule 5.
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#### 1-68-2 Section 6: Rule 6

1-68-2	1.17	Chatham Islands Conservation Board	The relationship of 'Gorse Management Areas' to 'low density, moderate density areas' could be made more clear in the headings in Rule 6.
1-68-2	1.21	Chatham Islands Conservation Board	There may be a need to tighten up the rule definitions, especially as to the intended (or enforceable) meanings of the term 'destroy' in Rule 6.

#### 1-68-7 Section 6: Rule 7

1-68-7	1.18	Chatham Islands Conservation Board	The relationship of 'Gorse Management Areas' to 'low density, moderate density areas' could be made more clear in the headings in Rule 7.
1-68-7	1.22	Chatham Islands Conservation	There may be a need to tighten up the rule definitions, especially as to the intended (or enforceable)

		Board	meanings of the term 'eliminate' in Rule 7.
1-68-7	1.23	Chatham Islands Conservation Board	The phrase ' <i>eliminate all gorse plants prior to flowering</i> ' might be better stated as 'prior to seeding', as gorse can flower all year, (though mainly in spring and again in autumn) which raises the question as to when might the term 'prior to flowering' apply in legal terms.

#### 1-73-1 Part III: Funding

1-73-1	3.13	Royal Forest and Bird Society	Amend the Funding Section to make provisions for biosecurity incursions. They need to be noted in the section and included in the anticipated costs.
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#### 1-75-14 Part III: Funding - Anticipated costs - Principal measures

1-75-14	2.28	Department of Conservation	Add estimate of costs to respond to at least 1-2 pest incursions per year, in the Principal measures.
1-75-17	4.60	Landcare Research NZ Ltd	Amend the incorrect table references - to Table 6, not 7.

#### 1-76-1 Part IV: Monitoring

1-76-1	4.62	Landcare Research NZ Ltd	Include outcome monitoring, as Part IV deals only with operational monitoring.
1-76-1	4.63	Landcare Research NZ Ltd	Amend Table 7 to also include pathway identification Indicator for surveillance pests and total control pests . Also amend Table 7 to also include monitoring at places other than the CI ports.
1-76-13	4.61	Landcare Research NZ Ltd	Amend the incorrect table references - to Table 7, not 8.

#### 1-76-14 Part IV: Monitoring - Table 7: Monitoring the Strategy objectives

1-76-14	2.29	Department of Conservation	Include in Table 7 inspections at properties and businesses with known or suspected pest infestations in the method of monitoring for surveillance pests.
1-76-14	2.33	Department of Conservation	Amend the frequency of reporting for pest incursions to be at least twice yearly in Table 7.

#### 1-78-1 Section 1: Appendix 1

1-78-1	1.19	Chatham Islands Conservation Board	The relationship of 'Gorse Management Areas' to 'low density, moderate density areas' could be made more clear in the headings in Appendix 1.
1-78-1	1.20	Chatham Islands Conservation Board	Submitter notes that gorse density areas on Pitt Island (low density mentioned on p.60, but locally also moderate density) are not mapped, and therefore perhaps not yet defined.

#### 1-79-1 Section 1: Appendix 2: Unwanted organisms

1-79-1	1.5	Chatham Islands Conservation Board	Appendix 2 requires an explanatory heading, and have the heading to note the Chatham Islands Council as being a signatory to The National Pest Plant Accord, the NPPA being a cooperative agreement between the Nursery and Garden Industry Association, regional councils and government departments with biosecurity responsibilities. Also mention that all plants on the NPPA are unwanted organisms under the Biosecurity Act 1993, and that these plants cannot be sold,
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			propagated or distributed in New Zealand.
1-79-1	1.6	Chatham Islands Conservation Board	Have the Proposed PMS to refer to Appendix 2, e.g. from the section at top of p. 24.
1-79-1	2.30	Department of Conservation	Clarify the purpose of the list of unwanted organisms.
1-79-1	4.30	Landcare Research NZ Ltd	Include unwanted animals in Appendix 2.
1-79-1	10.26	Biosecurity NZ	Add undaria and styela to the list of unwanted organisms.
1-79-2	1.7	Chatham Islands Conservation Board	Include the following within the list of Organisms Declared to be Pests: <i>Carpobrotus edulis</i> ice plant (Surveillance - Chatham Islands) <i>Erigeron karvinskianthus</i> Mexican daisy (Total Control) <i>Galeobdolon luteum</i> aluminium plant (Surveillance - Chatham Islands) <i>Iris pseudacorus</i> yellow flag iris (Total Control) <i>Salix cinerea</i> grey willow (Total Control) <i>Salix fragilis</i> crack willow (Total Control) <i>Selaginella kraussiana</i> African clubmoss (Total Control) <i>Tropaeolum speciosum</i> Chilean flame creeper (Total Control) Inclusion in the Pest list of the last two items above is especially important as a supporting acknowledgement of the recent actions of DOC to eliminate these weeds.
1-79-2	1.8	Chatham Islands Conservation Board	Add the following weeds to the list of Organisms Declared to be Pests <i>Clematis vitalba</i> old man's beard (Sites for this species still require monitoring. Should be listed as either a Surveillance or Total Control weed.) <i>Dryopteris filix-mas</i> male fern (This is mentioned on p. 15 of the Proposed PMS, but not listed in Table 2, to which it should be added under ferns in Surveillance - Chatham Islands.) <i>Elodea canadensis</i> Canadian pondweed (This aquatic oxygen weed is a potential threat to Chathams freshwater ecosystems. Not yet known in the wild on Chathams, but probably present in outdoor garden ponds and aquaria. It should be listed in Table 2 under Total Control.) <i>Ehrharta erecta</i> veld grass (Should be added to Table 2 under Total Control.)
1-79-2	2.34	Department of Conservation	Add the following to the list: freshwater weeds, didymo ( <i>Didymosphenia geminata</i> ), all freshwater fish and invertebrates, koi carp ( <i>Cyprinus carpio</i> ), gambusia ( <i>Gambusia affinis</i> ), gudgeon ( <i>Gobio gobio</i> ), channel catfish <i>Ictalurus punctatus</i> and marron ( <i>Cherax tenuimanus</i> and <i>C. quadricarinatus</i> )

#### 1-83-9 Section 2: Glossary of Terms - "Containment"

1-83-9	1.2	Chatham Islands Conservation Board	There is confusion in the use of the term "containment" and "containment control". Standardise this term using the word "containment".
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#### 1-87-1 Section 2: Glossary of Terms - "Surveillance"

1-87-1	1.3	Chatham Islands Conservation Board	There is confusion with the definition given for "surveillance - Chatham Islands" pests. On pages 12 and 30 the definition is "pests that are not yet present on the Chatham Islands, or present on Chatham Island [pg 12, or Chatham Islands, pg 30] but not on Pitt Island." On page 40 the definition is "present in other regions of New Zealand but are not known to be present on the Chatham
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			<i>Islands.</i> ". There is no definition of Surveillance Pests in the glossary.
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### 1-88-1 Section 3: References

1-88-1	1.71	Chatham Islands Conservation Board	Add the following to the reference list: Walls, G.Y. 2000: Overview: Plant Pest Control plans 2000-2005. Contract report to Department of Conservation. Walls, G.Y. 2002: Unwanted Pests: Biosecurity Threats to the Chatham Islands. Department of Conservation, Wellington Conservancy. Walls, G.Y. 2004: Five Year on ... Pest Plants in the Chatham Islands, March 2004. Contract report to Department of Conservation. Walls, G; Couchman, A.; Baird, A. 2000: Site-led Plant Pest Control Plans 2000-2005. Department of Conservation, Wellington Conservancy. Walls, G; Couchman, A.; Baird, A. 2000: Weed-led Plant Pest Control Plans 2000-2005. Department of Conservation, Wellington Conservancy.
1-88-1	4.64	Landcare Research NZ Ltd	Include in the references section "The handbook of New Zealand mammals", CM King (ed) OUP 2005.