

# Appendix 6

## List of threatened and unusual plant and animal species

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**This marked up copy of appendix 6 shows the amendments recommended in response to submissions to appendix 6 (decision report no.10-4)**

**Insertions are shown with underlining and deletions with ~~strikethrough~~**



## 1.0 Introduction

This appendix contains lists of threatened plant and animal species thought to be on the islands as at June 2006. The lists also include plant and animals species that are not threatened, but which are of particular importance or interest. ~~Species that are only found on islands that are entirely Department of Conservation estate have not been included.~~

Species have been classified by their risk of extinction in order of most threatened to least threatened as follows:

- 1 - nationally critical
- 2 - nationally endangered
- 3 - nationally vulnerable
- 4 - serious decline
- 5 - gradual decline
- 6 - range restricted (ie restricted to a small geographic area)
- 7 - sparse (very small, widely scattered populations).

Data deficient means that so little is known of the species that its risk cannot be assessed.

The habitats of the plant and animal species listed in this appendix are protected by clause 10c.5.1.2 of the Plan.

### References

For plants, the threat status listed is in the context of the Auckland region, as given by R Stanley, P de Lange, and E Cameron in their 2005 article entitled 'Auckland regional threatened and uncommon vascular plants list' (*Auckland Botanical Society Journal* 60: 152-157). The threat status of the animals and of the two plant species that are threatened nationally but not within the Auckland region is the most recent national ranking from the Department of Conservation. These rankings are listed in a 2006 publication by R Hitchmough and L Bull entitled 'New Zealand threat classification system lists' (*DOC Threatened Species Occasional Publication* in press). Both publications used the classifications defined by Molloy et al in their 2002 publication 'Classifying species according to threat of extinction. A system for New Zealand' (*DOC Threatened Species Occasional Publication* 22).

## 2.0 Threatened and unusual plant species

Scientific name	Common name	Threat status
<b>Trees and shrubs</b>		
<a href="#">Archeria racemosa</a>		<a href="#">range restricted</a>
<i>Brachyglottis kirkii</i> var. <i>kirkii</i>	Kirk's tree daisy, kohurangi	serious decline
<i>Colensoa physaloides</i>	Koru	regionally critical
<a href="#">Coprosma acerosa</a>	<a href="#">Sand coprosma</a>	<a href="#">serious decline</a>
<i>Coprosma tenuicaulis</i>	Thin-stemmed or swamp coprosma	data deficient
<a href="#">Dracophyllum travesii</a>		<a href="#">range restricted</a>
<a href="#">Epacris sinclairii</a>		<a href="#">regionally critical</a>
<i>Griselinia littoralis</i>	Kapuka, papauma, broadleaf	range restricted
<a href="#">Halocarpus kirkii</a>	<a href="#">Kirk's pine</a>	<a href="#">range restricted</a>
<a href="#">Hebe pubescens</a> subsp. <a href="#">pubescens</a>		<a href="#">regionally critical</a>
<i>Kunzea sinclairii</i>	Great Barrier kanuka	range restricted
<a href="#">Lepidothamnus intermedius</a>	<a href="#">Yellow-silver pine</a>	<a href="#">range restricted</a>
<i>Libocedrus plumosa</i>	Kawaka, New Zealand cedar	sparse
<i>Meliccytus novae-zelandiae</i>	Coastal mahoe	not threatened, mostly limited to rat-free islands
<a href="#">Metrosideros albiflora</a>	<a href="#">White rata</a>	<a href="#">data deficient</a>
<a href="#">Metrosideros umbellate</a>	<a href="#">Southern rata</a>	<a href="#">range restricted</a>
<i>Mida salicifolia</i>	Willow-leaved maire, maire taiki	nationally declining
<i>Myoporum laetum</i>	Ngaio	gradual decline
<a href="#">Nestegis apetala</a>		<a href="#">regionally endangered</a>
<i>Nestegis montana</i>	Narrow-leaved maire, orooro	sparse
<i>Olearia allomii</i>	Great Barrier tree daisy	range restricted
<i>Pennantia corymbosa</i>	Kaikomako	sparse
<a href="#">Pimelea longifolia</a>		<a href="#">regionally endangered</a>
<i>Pimelea tomentosa</i>	Native daphne	regionally endangered
<i>Pisonia brunoniana</i>	Parapara, bird-catcher tree	regionally endangered
<i>Pittosporum huttonianum</i>		range restricted
<i>Pittosporum virgatum</i>		range restricted
<i>Pomaderris hamiltonii</i>	Pale-flowered kumerahou	sparse
<i>Pomaderris rugosa</i>		sparse
<i>Pouteria costata</i>	Tawapou	gradual decline
<a href="#">Pseudopanax discolour</a>		<a href="#">range restricted</a>
<a href="#">Pseudowintera colorata</a>		<a href="#">sparse</a>
<i>Raukaua anomalus</i>		range restricted
<a href="#">Sophora microphylla</a>		<a href="#">sparse</a>

Scientific name	Common name	Threat status
<i>Streblus banksii</i>	Large-leaved milk tree, turepo	regionally critical
<i>Syzygium maire</i>	Maire tawake, swamp maire	gradual decline
<b>Climbing and scrambling plants</b>		
<i>Fuchsia procumbens</i>	Creeping fuchsia	range restricted
<a href="#">Ipomoea cairica</a>		<a href="#">range restricted</a>
<i>Metrosideros carminea</i>	Carmine rata, akakura	sparse
<i>Sicyos aff. australis</i> (a)	Mawhai, native cucumber	regionally endangered
<b>Mistletoes</b>		
<i>Ileostylus micranthus</i>	Green mistletoe	regionally critical
<i>Korthalsella salicornioides</i>	Dwarf mistletoe	sparse
<i>Peraxilla tetrapetala</i>	Red mistletoe, pikirangi	range restricted
<b>Ferns, tree ferns and fern allies</b>		
<i>Anogramma leptophylla</i>	Jersey fern, annual fern	regionally critical
<i>Asplenium hookerianum</i>	Hooker's or perching spleenwort	sparse
<i>Blechnum norfolkianum</i>		sparse
<i>Blechnum triangularifolium</i>	Green Bay kiokio	sparse
<i>Dicksonia fibrosa</i>	Wheki-ponga, golden tree fern	sparse
<a href="#">Dicksonia lanata</a>		<a href="#">range restricted</a>
<i>Doodia mollis</i>	Mokimoki	sparse
<a href="#">Doodia squarrosa</a>		<a href="#">sparse</a>
<i>Grammitis aff. Rawlingsii</i>	Strap fern	data deficient
<i>Grammitis billardierei</i>	Strap fern, paretao	range restricted
<i>Hymenophyllum bivalve</i>	Filmy fern	data deficient
<i>Hymenophyllum cupressiforme</i>		sparse
<a href="#">Loxsoma cunninghamii</a>		<a href="#">range restricted</a>
<i>Marattia salicina</i>	King fern, para	gradual decline
<a href="#">Ophioglossum coriaceum</a>		<a href="#">sparse</a>
<i>Ophioglossum petiolatum</i>	Stalked adder's tongue	regionally critical
<i>Pellaea calidirupium</i>		range restricted
<i>Pellaea falcata</i>		regionally critical
<a href="#">Psilotum nudum</a>		<a href="#">sparse</a>
<i>Pteris comans</i>	Coastal brake or netted brake	sparse
<a href="#">Schizaea dichotoma</a>		<a href="#">sparse</a>
<a href="#">Sticherus flabellatus</a>		<a href="#">range restricted</a>
<i>Tmesipteris sigmatifolia</i>		sparse
<a href="#">Trichomanes strictum</a>		<a href="#">range restricted</a>
<b>Orchids</b>		
<i>Danhatchia australis</i>	Yoania	sparse

Scientific name	Common name	Threat status
<i>Plumatochilos tasmanicum</i>	Greenhood orchid	regionally critical
<a href="#"><i>Spiranthes novae-zealandiae</i></a>		<a href="#">range restricted</a>
<a href="#"><i>Thelymitra formosa</i></a>		<a href="#">regionally critical</a>
<b>Rushes and sedges</b>		
<i>Bolboschoenus caldwellii</i>	Purua grass	regionally critical
<a href="#"><i>Carex fosteri</i></a>		<a href="#">sparse</a>
<i>Cyperus ustulatus</i> f. <a href="#"><i>grandispiculosus</i></a>	Giant umbrella sedge, upokotangata	regionally critical
<i>Desmoschoenus spiralis</i>	Pingao, chain rush	serious decline
<i>Eleocharis neozelandica</i>	Sand spike sedge	regionally critical
<i>Fimbristylis velata</i>		regionally critical
<a href="#"><i>Luzula picta</i> var. <i>picta</i></a>		<a href="#">regionally endangered</a>
<a href="#"><i>Juncus distegis</i></a>		<a href="#">data deficient</a>
<a href="#"><i>Juncus pauciflorus</i></a>		<a href="#">regionally endangered</a>
<a href="#"><i>Sparganium subglobosum</i></a>		<a href="#">regionally endangered</a>
<i>Uncinia clavata</i>	Fish-hooks	range restricted
<b>Grasses</b>		
<i>Amphibromus fluitans</i>	Water brome	regionally critical
<i>Austrofestuca littoralis</i>	Sand tussock, hinarepe	regionally critical
<i>Bromus arenarius</i>		sparse
<i>Cortaderia toetoe</i>	Toetoe	data deficient
<i>Dichelachne inaequiglumis</i>	Short-hair plume grass	data deficient
<a href="#"><i>Elymus multiflorus</i></a>		<a href="#">gradual decline</a>
<a href="#"><i>Microlaena polynoda</i></a>		<a href="#">sparse</a>
<i>Oplismenus hirtellus</i> subsp. <i>Hirtellus</i>		data deficient
<i>Poa imbecilla</i>	Weak poa	range restricted
<a href="#"><i>Zoysia minima</i></a>		<a href="#">gradual decline</a>
<b>Herbaceous plants</b>		
<i>Astelia</i> aff. <i>nervosa</i>	Kahakaha	regionally critical
<a href="#"><i>Arthropodium candidum</i></a>	<a href="#">Reinga lily</a>	<a href="#">regionally critical</a>
<i>Australina pusilla</i>		regionally critical
<a href="#"><i>Celmisia major</i> var. <i>major</i></a>		<a href="#">gradual decline</a>
<i>Centipeda minima</i> var. <i>minima</i>	Sneezeweed	regionally critical
<i>Collospermum microspermum</i>		range restricted
<i>Dactylanthus taylorii</i>	Woodrose, pua o te reinga, waewae atua	regionally critical
<i>Daucus glochidiatus</i>	New Zealand carrot, pinaki	regionally critical
<i>Dichondra</i> aff. <i>Brevifolia</i>	Dichondra	range restricted

Scientific name	Common name	Threat status
<a href="#"><i>Drosera peltata</i></a>		<a href="#">sparse</a>
<i>Einadia triandra</i>	Pigweed	sparse
<i>Epilobium komarovianum</i>	Creeping willowherb	data deficient
<a href="#"><i>Epilobium nerteroides</i></a>		<a href="#">serious decline</a>
<i>Euphorbia glauca</i>	Shore spurge, waiuatua	regionally critical
<a href="#"><i>Galium propinquum</i></a>		<a href="#">data deficient</a>
<a href="#"><i>Geranium potentilloides</i></a>		<a href="#">sparse</a>
<i>Geranium retrorsum</i> s.s.	Matuakumara, turnip-rooted geranium	gradual decline
<i>Geranium solanderi</i> s.s.	Matuakumara, turnip-rooted geranium	gradual decline
<i>Lepidium desvauxii</i>	Bushy peppergrass, narrow-leaved cress	data deficient
<i>Lepidium oleraceum</i>	Cook's scurvy grass, nau	regionally endangered
<a href="#"><i>Leptinella dioica</i> subsp. <i>dioica</i></a>		<a href="#">regionally critical</a>
<a href="#"><i>Leptinella squalida</i> subsp. <i>squalida</i></a>		<a href="#">regionally endangered</a>
<i>Linum monogynum</i> var. <i>monogynum</i>	Rauhuia, linen flax	sparse
<i>Mimulus repens</i>	Native musk	regionally endangered
<i>Plantago raoulii</i>	Kopakopa, tukorehu	regionally critical
<a href="#"><i>Pelargonium inodorum</i></a>		<a href="#">sparse</a>
<i>Ranunculus acaulis</i>	Sand buttercup or shore buttercup	regionally endangered
<a href="#"><i>Ranunculus urvilleanus</i></a>		<a href="#">serious decline</a>
<i>Rorippa divaricata</i>	New Zealand watercress	regionally critical
<a href="#"><i>Scandia rosifolia</i></a>		<a href="#">serious decline</a>
<i>Scleranthus biflorus</i>	Kohukohu, twin-flower knawel	regionally endangered
<i>Senecio biserratus</i>	Fireweed	serious decline
<i>Senecio marotiri</i>	Fireweed	range restricted
<i>Senecio quadridentatus</i>	Pahohoraka, cotton fireweed	sparse
<i>Senecio repangae</i> subsp. <i>pokohinuensis</i>		range restricted
<i>Senecio repangae</i> subsp. <i>repangae</i>		regionally critical
<i>Senecio scaberulus</i>	Fireweed	regionally critical
<i>Tetragonia tetragonioides</i>	New Zealand spinach, koihi	regionally critical
<i>Wahlenbergia littoricola</i> subsp. <i>vernica</i>		Sparse
<b>Aquatic plants</b>		
<i>Potamogeton ochreateus</i>	Blunt pondweed	sparse
<b>Bryophytes</b>		

<b>Scientific name</b>	<b>Common name</b>	<b>Threat status</b>
<i>Plagiochila kermacedensis</i>	Liverwort	nationally critical
<i>Tortella mooreae</i>	Moss	range restricted



### 3.0 Threatened and unusual animal species

Scientific name	Common name	Threat status
<b>Invertebrates</b>		
<i>Arachnocampa luminosa</i>	Glow worm	not threatened
<a href="#"><i>Deinacrida heteracantha</i></a>	<a href="#">Giant weta</a>	<a href="#">nationally endangered</a>
<a href="#"><i>Geodorcus ithagnis</i></a>	<a href="#">Mokohinau stag beetle</a>	<a href="#">nationally critical</a>
<i>Mecodema atrox</i>	Ground beetle	sparse
<a href="#"><i>Paranephrops zealandicus</i></a>	<a href="#">Koura</a>	<a href="#">gradual decline</a>
<i>Peripatus</i> spp.	Velvet worm, ngaokeoke	
<i>Placostylus hongii</i>	Flax snail, pupuharakeke	range restricted
<i>Rhytida dunni</i>	Native land snail	
<b>Freshwater fish</b>		
<i>Anguilla dieffenbachii</i>	Long-finned eel, tuna	gradual decline
<i>Galaxias argenteus</i>	Giant kokopu	gradual decline
<i>Galaxias postvectis</i>	Shortjaw kokopu	sparse
<i>Geotria australis</i>	Lamprey, pihirau	sparse
<b>Frogs and reptiles</b>		
<i>Cyclodina alani</i>	Robust skink	range restricted
<i>Cyclodina 'mokohinau'</i>	Mokohinau skink	range restricted
<i>Cyclodina ornata</i>	Ornate skink	gradual decline
<i>Hoplodactylus duvaucelii</i>	Duvaucel's gecko	sparse
<i>Hoplodactylus pacificus</i>	Pacific gecko	gradual decline
<i>Naultinus e. elegans</i>	Auckland green gecko	gradual decline
<i>Oligosoma homalonotum</i>	Chevron skink	nationally endangered
<i>Oligosoma moco</i>	Moko skink	sparse
<a href="#"><i>Oligosoma smithi</i></a>	<a href="#">Shore skink</a>	<a href="#">sparse</a>
<i>Oligosoma striatum</i>	Striped skink	data deficient
<i>Oligosoma suteri</i>	Egg-laying skink	range restricted
<i>Leiopelma hochstetteri</i>	Hochstetter's frog	sparse
<a href="#"><i>Shendodon punctatus</i></a>	<a href="#">Northern tuatara</a>	<a href="#">sparse</a>
<b>Birds</b>		
<a href="#"><i>Acanthisitta chloris granti</i></a>	<a href="#">Rifleman</a>	<a href="#">gradual decline</a>
<i>Anas chlorotis</i>	Brown teal, pateke	nationally endangered
<a href="#"><i>Apteryx mantelli</i></a>	<a href="#">North Island brown kiwi</a>	<a href="#">serious decline</a>
<i>Botaurus poiciloptilus</i>	Australasian bittern, matuku	nationally endangered
<i>Bowdleria punctata vealeae</i>	North Island fernbird, matata	sparse
<a href="#"><i>Callaeas cinerea wilsoni</i></a>	<a href="#">Kokako</a>	<a href="#">nationally endangered</a>
<i>Charadrius bicinctus bicinctus</i>	Banded dotterel, tuturiwhatu	gradual decline

Scientific name	Common name	Threat status
<i>Charadrius obscurus aquilonius</i>	Northern New Zealand dotterel, tuturiwhatu pukunui	nationally vulnerable
<i>Cyanoramphus novaezelandiae</i>	red-crowned parakeet, kakariki	not threatened (but only found on offshore islands)
<i>Egretta sacra sacra</i>	Reef heron, matuku moana	nationally vulnerable
<i>Eudynamys tatiensis</i>	Long-tailed cuckoo, koekoea	gradual decline
<i>Eudyptula minor iredalei</i> (nest sites)	Northern little blue penguin, korora	gradual decline
<a href="#"><i>Gallirallus austalis greyi</i></a>	<a href="#">North Island weka</a>	<a href="#">nationally endangered</a>
<i>Gallirallus philippensis assimilis</i>	Banded rail, mohu-pereru	sparse
<i>Haematopus unicolor</i> (nest and flock sites)	Variable oystercatcher, torea, toreapango	not threatened
<i>Hemiphaga novaeseelandiae</i> (nest sites and significant seasonal food sources)	Kereru, New Zealand pigeon	gradual decline
<i>Larus novaehollandiae scopulinus</i> (nest sites)	Red-billed gull, tarapunga	gradual decline
<a href="#"><i>Mohoua albicilla</i></a>	<a href="#">Whitehead</a>	<a href="#">not threatened</a>
<i>Nestor meridionalis septentrionalis</i> (nest sites and significant seasonal food sources)	North Island kaka	nationally endangered
<i>Pealeornis maorianus</i> (nest sites)	New Zealand storm petrel	[presumed] extinct [rediscovered]
<i>Phalacrocorax carbo novaehollandiae</i> (nest sites)	Black shag, kawau	sparse
<i>Phalacrocorax melanoleucos brevirostris</i> (nest sites)	Little shag, kawaupaka	not threatened
<i>Phalacrocorax sulcirostris</i> (nest sites)	Little black shag	range restricted
<i>Phalacrocorax varius varius</i> (nest sites)	Pied shag, karuhiruhi	not threatened
<a href="#"><i>Philesturnus carunculatus rufusater</i></a>	<a href="#">Saddleback</a>	<a href="#">range restricted</a>
<i>Porzana pusilla</i>	Marsh crake, koitareke	sparse
<i>Porzana tabuensis plumbea</i>	Spotless crake, puweto	sparse
<i>Procellaria parkinsoni</i> (nest sites)	Black petrel, taiko	range restricted
<i>Pterodroma cookii</i> (nest sites)	Cook's petrel, titi	gradual decline
<i>Sterna caspia</i> (nest and flock sites)	Caspian tern, taranui	nationally vulnerable
<i>Sterna striata striata</i> (nest sites)	White-fronted tern, tara	gradual decline
<i>Stictocarbo punctatus</i> (nest sites)	Spotted shag, parekareka	not threatened
<b>Bats</b>		

<b>Scientific name</b>	<b>Common name</b>	<b>Threat status</b>
<i>Chalinolobus tuberculata</i>	Long-tailed bat, pekapeka	nationally vulnerable
<i>Mystacina tuberculata aупourica</i>	Northern short-tailed bat, pekapeka	nationally endangered