

Auckland Regional Threatened Plant List

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Introduction

The Auckland Plant Conservation Network (APCN) established a subcommittee in 1996 to oversee the development of a regional threatened plant list for the area administered by the Auckland Conservancy of the Department of Conservation (Fig. 1). Initially a working list of threatened plants was prepared from records, that list was then circulated to subcommittee members for comment. It was agreed to publish the amended list in the *Auckland Botanical Society Journal* to solicit wider comment from the Auckland Botanical community.

It is hoped that as a result of this publication, members (and non-members) reading this list will inform the authors of any taxa which they feel should be included or excluded. In particular, note that only two non-vascular plants, *Fissidens berteroi* and *Lindbergia maritima*, appear on the list. As there must be more threatened cryptogams than this, those of you with specialist knowledge in this area may be able rectify this deficiency.

The Geographic Area

The area considered includes that land which lies north of Miranda - Port Waikato (north side), south of the Brynderwyn Hills and Kaipara Harbour mouth. Offshore islands include those of the Inner Hauraki Gulf, Little Barrier, Great Barrier, Mokohinau and Kermadec groups (Fig. 1). Within the New Zealand Ecological Districts mapping scheme (McEwen 1987) the area is defined (from North to South) by the following Ecological Districts: Kermadecs, Taranga (Mokohinau Islands only), Great Barrier, Little Barrier, Kaipara (southern part only), Rodney (omitting northern tip), Waitakere, Tamaki, Rangitoto, Inner Gulf Islands, Awhitu, Manukau, and Hunua. For detailed descriptions of these districts see McEwen (1987).

Criteria for inclusion of taxa

This list includes all those taxa deemed to be under threat by the APCN within the geographic area specified. Included are those species nationally at risk (see Cameron et al. 1995) and those considered regionally at risk but which **may be common** outside the geographic area. Threatened taxa whose type locality falls within the region are noted and national geographical limits are also noted for threatened taxa occurring within the region. A separate list for Kermadec Islands plants considered at risk has also been prepared.

As yet no specific criterion for the inclusion or exclusion of taxa on this list has been advised to the authors. Thus we have used what reference sources are available (IUCN 1994, Cameron et al. 1995) and subjected initial drafts for review to obtain consensus opinion.

Any comments on this list or criteria for selection should be sent to either of the authors.

Acknowledgements

The authors would like to express their gratitude to members of the Auckland threatened plant subcommittee, Bec Stanley and Rhys Gardner for their comments on earlier versions of this list. Terry Smith (Auckland Conservancy) provided Figure 1.

References

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- de Lange, P.J. *in press*: *Gratiola pedunculata* (Scrophulariaceae): a new addition to the New Zealand flora. *New Zealand Journal of Botany* 35(3).

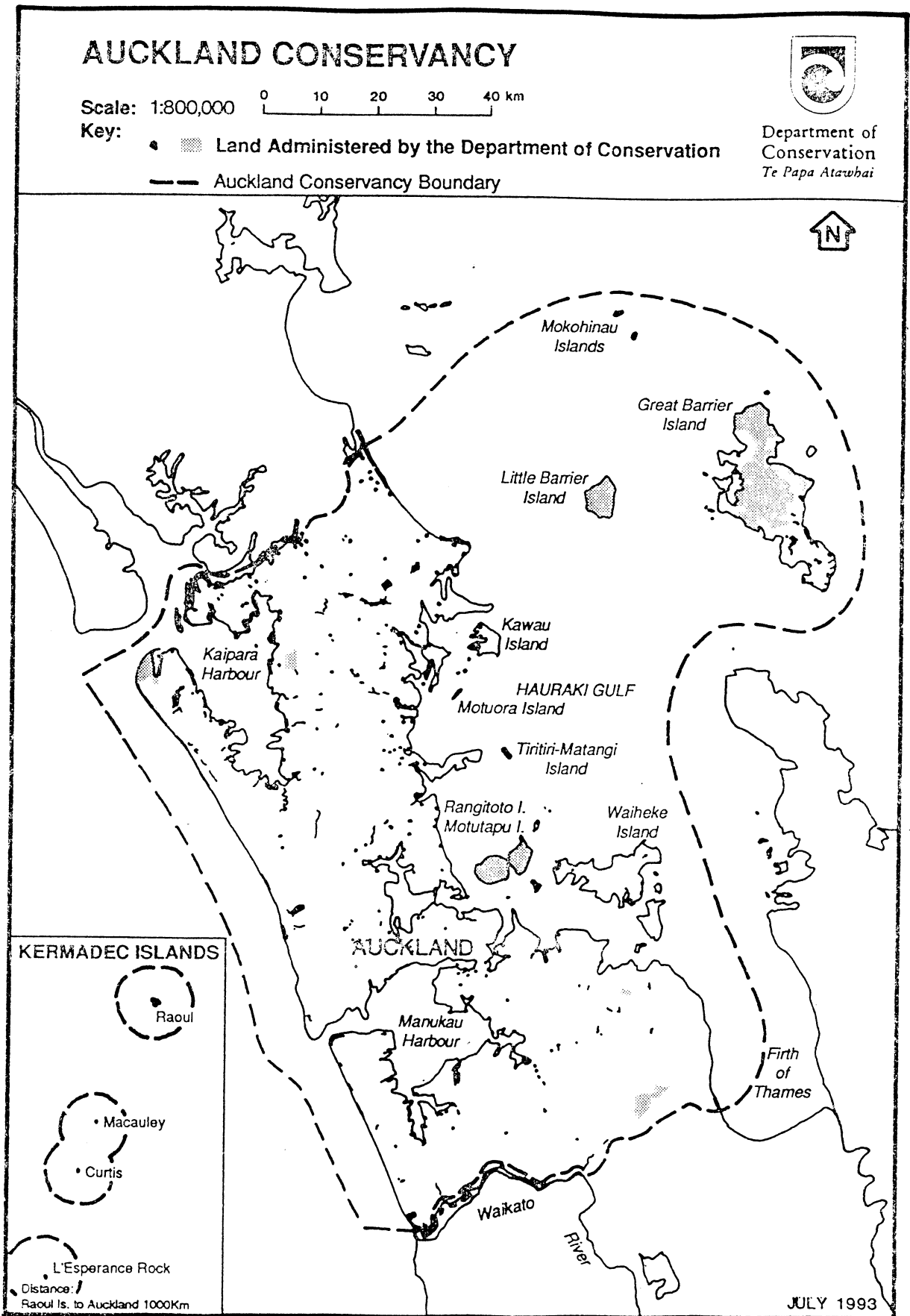


Figure 1. The boundaries of the Auckland Conservancy, Department of Conservation.

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 IUCN, 1994: IUCN red list categories. IUCN, Gland.
 McEwen, W.M. 1987: *Ecological regions and districts of New Zealand. 3rd Edition.* Wellington, Department of Conservation.

Appendix: Auckland Botanical Society Regional Threatened Plant List

Abbreviations

N = Nationally Threatened (Cameron et al. 1995)
 E = Endemic to the defined area
 PE = Possibly extinct (no recent record since 1970 in the Auckland region)
 TL = Type Locality in the defined area
 HNL = Historical (prior to 1970) national northern limit in the defined area
 HSL = Historical (prior to 1970) national southern limit in the defined area
 ENL = Extant national northern limit in the defined area
 ESL = Extant national southern limit in the defined area
 V = Vagrant species to New Zealand (*sensu* de Lange & Molloy 1995, de Lange *in press*)

Mosses			
<i>Fissidens berteroi</i>	ENL	<i>Lindbergia maritima</i>	E,TL
Fern Allies			
<i>Phylloglossum drummondii</i>			
Ferns			
<i>Anogramma leptophylla</i>	N	<i>Grammitis "pseudorawlingsii"</i>	?E
<i>Asplenium pauperequitum</i>	N,HSL	<i>Hymenophyllum atrovirens</i>	
<i>Asplenium terrestre</i> subsp. <i>maritimum</i>	TL,ENL	<i>Hypolepis lactea</i>	
<i>Botrychium australe</i>		<i>Leptolepia novae-zelandiae</i>	
<i>Blechnum vulcanicum</i>		<i>Lindsaea viridis</i>	
<i>Cyclosorus interruptus</i>	N	<i>Marattia salicina</i>	N
<i>Dicksonia fibrosa</i>	ENL	<i>Ophioglossum petiolatum</i>	N
<i>Doodia squarrosa</i>		<i>Pellaea calidirupium</i>	
<i>Grammitis rawlingsii</i> s.s.	N,ESL	<i>Thelypteris confluens</i>	N
Conifers			
<i>Manoao colensoi</i>			
Dicotyledones			
<i>Alseuosmia banksii</i>	ESL	<i>Gunnera dentata</i>	?ENL
<i>Ascarina lucida</i>		<i>G. monoica</i>	
<i>Atriplex billardiarei</i> "North"	N, PE	<i>Hebe bishopiana</i>	N,E
<i>Australina pusilla</i>		<i>H. diosmifolia</i>	ESL
<i>Brachyglottis myrianthos</i>		<i>H. pubescens</i> s.s.	
<i>Calystegia marginata</i>	N, ESL	<i>H. speciosa</i>	N
<i>Carmichaelia williamsii</i>	N	<i>H. aff. macrocarpa</i> var. <i>latisepala</i>	
<i>Centipeda minima</i>	N	(<i>H. "Great Barrier"</i>)	E
<i>Clianthus puniceus</i>	N, ENL	<i>Hydrocotyle hydrophila</i>	ENL
<i>Colensoa physaloides</i>	N, ESL	<i>Ileostylus micranthus</i>	N
<i>Coprosma parviflora</i> s.s.	ESL	<i>Ipomoea carica</i>	ESL
<i>Crassula hunua</i>	N, ENL	<i>Korthalsella salicornioides</i>	N
<i>Dactylanthus taylorii</i>	N, ENL	<i>Kunzea sinclairii</i>	N,E,TL
<i>Daucus glochidiatus</i>		<i>Lepidium flexicaule</i>	N,TL, PE,HNL
<i>Discaria toumatou</i>	HNL, PE	<i>L. obtusatum</i> subsp. "Manukau"	N,E,PE
<i>Elaeocarpus hookerianus</i>		<i>L. oleraceum</i>	N
<i>Epilobium alsinoides</i>		<i>Leptinella dispersa</i> subsp. <i>rupestris</i>	
<i>E. chionanthum</i>	TL	<i>L. rotundata</i>	N,PE,HSL
<i>E. komarovianum</i>	HNL	<i>L. tenella</i>	
<i>E. nerterioides</i>	ENL	<i>Mazus aff. novaezeelandica</i>	N
<i>E. pedunculare</i>		<i>Metrosideros parkinsonii</i>	ENL
<i>Euphorbia glauca</i>	N	<i>Mimulus repens</i>	
<i>Fuchsia procumbens</i>	N	<i>Myosotis petiolata</i> var. <i>pansa</i>	N,TL,ENL
<i>Gratiola nana</i>	N, PE	<i>M. pygmaea</i> var. <i>pygmaea</i>	?ENL
<i>G. sexdentata</i>		<i>M. spathulata</i> s.s.	
<i>Geranium solanderi</i> "large petals"		<i>Myriophyllum robustum</i>	N
<i>G. retrorsum</i>		<i>Nertera scapanioides</i>	

<i>Nestegis cunninghamii</i>		<i>Rubus squarrosus</i>	
<i>Olearia allomii</i>	N,TL,E	<i>Senecio</i> aff. <i>lautus</i> "Cuvier"	N,ENL
<i>Peperomia</i> "purple vein"	N,ESL	<i>S.</i> aff. <i>lautus</i> "Pokohinu"	N,E
<i>Peraxilla tetrapetala</i>	N,?ENL	<i>S. marotiri</i>	N, ESL
<i>Picris burbridgei</i>	N	<i>S. quadridentatus</i>	
<i>Pimelea arenaria</i>	N, PE	<i>S. rufigliandulosus</i>	ENL
<i>P. tomentosa</i>	N	<i>S. scaberulus</i>	N
<i>Pittosporum virgatum</i>	N	<i>Sonchus kirkii</i>	
<i>Plagianthus regius</i>		<i>Sicyos australis</i>	N
<i>Polygonum plebeium</i>	N,PE,V	<i>Streblus banksii</i>	N
<i>Pomaderris hamiltonii</i>	N,E	<i>Tetragonia tetragonoides</i>	
<i>P. polifolia</i>	N	<i>Trilepidea adamsii</i>	N,PE
<i>Pratia</i> "Woodhill"	N,E	<i>Tupeia antarctica</i>	N,PE
<i>Pseudowintera colorata</i>		<i>Utricularia protrusa</i>	N
<i>Pseudopanax ferox</i>	N	<i>Utricularia novae-zelandiae</i>	?PE
<i>Ranunculus acaulis</i>		<i>Urtica incisa</i>	
<i>R. macropus</i>	PE,HNL	<i>Viola lyallii</i>	TL,PE
<i>R. urvilleanus</i>		<i>Vittadinia australis</i>	ENL
<i>Rorippa divaricata</i>	N		
Monocotyledons			
<i>Amphibromus fluittans</i>	N	<i>Poa imbecilla</i>	
<i>Arthropodium candidum</i>	ENL	<i>Potamogeton pectinatus</i>	?PE
<i>Austrofestuca littoralis</i>	N	<i>Prasophyllum colensoi</i>	
<i>Baumea complanata</i>	N,PE	<i>Prasophyllum</i> aff. <i>patens</i>	N
<i>Bulbophyllum tuberculatum</i>		<i>Pterostylis cardiostigma</i>	
<i>Carex litorosa</i>		<i>Pterostylis nutans</i>	N,PE,V
<i>Cordyline indivisa</i>	ENL	<i>Pterostylis puberula</i>	N,PE
<i>Corybas cryptanthus</i>	TL	<i>Pterostylis tasmanica</i>	N,V
<i>Corybas rotundifolius</i>	?ESL	<i>Rytidosperma clavatum</i>	
<i>Danhatchia australis</i>	TL	<i>Schoenus carsei</i>	PE
<i>Dichelachne inaequiglumis</i>	TL	<i>S. concinnus</i>	
<i>Earina aestivalis</i>	TL	<i>S. nitens</i>	
<i>Eleocharis neozelandica</i>	N	<i>Sparganium subglobosum</i>	
<i>Fimbristylis squarrosa</i>	N	<i>Spiranthes novaezelandiae</i>	
<i>Gastrodia cunninghamii</i>		<i>Thelymitra aemula</i>	TL
<i>Gastrodia minor</i>	ENL	<i>Thelymitra tholiformis</i>	N,TL
<i>Hierochloa redolens</i>	PE	<i>Trisetum</i> aff. <i>antarcticum</i> (T."ordinary")	
<i>Juncus caespiticus</i>		<i>Uncinia clavata</i>	ENL
<i>Juncus holoschoenus</i>	N,PE	<i>Zoysia minima</i>	
<i>Luzula banksiana</i> var. <i>banksiana</i>	ENL	<i>Z. planifolia</i>	
<i>Paspalum orbiculare</i>			
<i>Poa cita</i>	HNL		
KERMADEC ISLANDS			
Ferns			
<i>Cyathea kermadecensis</i>	N,E,TL		
Dicotyledons			
<i>Boehmeria australis</i> var. <i>dealbata</i>	N,E,TL	<i>Pittosporum</i> aff. <i>crassifolium</i>	E
<i>Hebe breviracemosa</i>	N,E,TL	<i>Senecio lautus</i> var. <i>esperensis</i>	N,E,TL
<i>Peperomia leptostachya</i>	N,?HSL,V		
Monocotyledons			
<i>Lepturus repens</i>	N,ESL,V		

Oaia Island, South Muriwai, all surf, sun and the odd *Lepidium*

P. J. de Lange

Cameron & Taylor (1989) provided a detailed account of the vegetation of Oaia Island, an 0.14 ha rock, comprised of Miocene aged pillow lava, offset with a cap of rock hard guano. Situated 1.4 km from the nearest projection of the Waitakere coast, the island is located within the breaker/surf zone of the west coast, and as discussed by Cameron & Taylor (1989), its degree of exposure can make landing "troublesome".