

On Bibliography

APPENDIX

NATIVE PLANTS OF PUKERUA BAY RESERVES

(1) Wairaka Rd gully, (2) Coastal section of Wairaka and Raroa Reserves, (3) Raroa Reserve (bush).

C.C. Ogle 31.7.80

<u>Dicotyledon Trees and Shrubs</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Raroa
Alectryon excelsus	(titoki)			r
Beilschmiedia tawa	(tawa)			r
Brachyglottis repanda	(rangiora)		f	r
Carmichaelia arborea var.	(N.Z. broom)		o	o
Cassinia leptophylla	(tauhinu)	o	r	f
Coprosma areolata				o
C. grandifolia	(kanono)	f		
C. lucida	(karamu)			r
C. propinqua		f	a	a
C. repens	(taupata)	f	o	o
C. rhamnoides		o	r	o
C. robusta	(karamu)	f		r
C. propinqua x C. robusta			r	r
Coriaria arborea	(tutu)	f		
C. sarmentosa	(tutu)	o	r	
Corynocarpus laevigatus	(karaka)	o	o	f
Cyathodes fasciculata	(mingimingi)	f		
C. fraseri	(patotara)	f		
C. juniperina	(prickly mingimingi)		r	
<u>Dodonaea viscosa</u>	(akeake)		r	
Dysoxylum spectabile	(kohekohe)	o	r	a
Fuchsia excorticata	(kotukutuku)	r		
Geniostoma ligustrifolium	(hangehange)	f	r	o
Griselinia lucida	(broadleaf)	r	o	o
Hebe stricta var. macroura	(koromiko)	f	o	o
Hebe sp (Veronica arborea)	(tree hebe)	o		r
Hedycarya arborea	(pigeonwood)	o		o
Leptospermum ericoides	(kanuka)	a		f
L. scoparium	(manuka)	f		
Lophomyrtus bullata	(ramarama)			r

<u>Dicotyledon Trees and Shrubs</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Raroa
<i>L. obcordata</i>	(rohutu)			o
<i>Macropiper excelsum</i>	(kawakawa)	a	r	a
<i>Melicope ternata</i>	(wharangi)	f		f
<i>Melicytus ramiflorus</i>	(mahoe)	a		a
<i>Myoporum laetum</i>	(ngaio)	o	r	f
<i>Myrsine australis</i>	(mapou)	r	r	r
<i>Olearia paniculata</i>	(akeraho)	f	f	r
<i>Paratrophis banksii</i>	(milktree)			r
<i>Pennantia corymbosa</i>	(kaikomako)	o	r	a
<i>Pimelea prostrata</i> var. <i>prostrata</i>	(pinatoro)	o	f	
<i>Pseudopanax arboreus</i>	(5-finger)	a	o	r
<i>P. crassifolius</i>	(lancewood)	o		o
<i>Solanum aviculare</i>	(poroporo)			r
<i>Urtica ferox</i>	(shrub nettle)	r		a

Dicotyledon Lianes (climbers)

<i>Calystegia soldanella</i>	(sand convolvulus)		o	
<i>C. tuguriorum</i>		r		o
<i>Clematis hookeriana</i>		r	o	r
<i>C. paniculata</i>				r
<i>Metrosideros diffusa</i>	(white rata)			r
<i>M. fulgens</i>	(red rata vine)			o
<i>M. perforata</i>	(white rata)	o		f
<i>Muehlenbeckia australis</i>	(pohuehue)	o		o
<i>M. complexa</i>	(pohuehue)	f	a	a
<i>M. australis</i> x <i>M. complexa</i>			o	
<i>Parsonsia capsularis</i>	(N.Z. jasmine)	f	o	f
<i>P. heterophylla</i>	(N.Z. jasmine)	r	?	r
<i>P. capsularis</i> x <i>P. heterophylla</i>		o	?	f
<i>Rubus cissoides</i>	(lawyer)			r
<i>R. schmidelioides</i>	(lawyer)			r
<i>Tetragonia trigyna</i>	(N.Z. spinach)	f	o	r
<i>Tetrapathaea tetrandra</i>	(N.Z. passionfruit)		r	r

<u>Dicotyledon herbs</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Rarua
<i>Acaena anserinifolia</i>	(bidibidi)			r
<i>A. sp. (un-named)</i>				f
<i>Aciphylla squarrosa</i>	(spear-grass)	o		
<i>Apium australe</i>	(sea celery)	o		
<i>Atriplex hastata (?)</i>			o	
<i>Cardamine sp. (C. debilis</i> agg. "broad petal"/"long style")	(bittercress)			o
<i>Centella uniflora</i>		f		f
<i>Colobanthus muelleri</i>		r	o	
<i>Cotula squalida</i> subsp. <i>squalida</i>		o		
<i>Craspedia uniflora</i> var. <i>maritima</i>		o		
<i>Dichondra repens</i>	(Mercury Bay weed)	f	f	o
<i>Disphyma australe</i>	(ice-plant)	f	o	
<i>Epilobium rotundifolium</i>				r
<i>Galium propinquum</i>		r	o	
<i>Geranium sessiliflorum</i>		o	o	
<i>Gnaphalium audax</i>	(cud-weed)	r	o	
<i>G. gymnocephalum</i>	(cud-weed)			r
<i>G. sp (G. luteo-album</i> agg.)	(cud-weed)	o	o	
<i>Haloragis erecta</i>		o	o	
<i>Hydrocotyle americana</i>	(pennywort)			r
<i>H. moschata</i>	(pennywort)			o
<i>Lagenifera pumila</i>		r		r
<i>Linum monogynum</i>		o	o	
<i>Lobelia anceps</i>		o	o	
<i>Oxalis exilis (?)</i>		?	f	
<i>O. sp (Upright; 15mm diam. fls)</i>			o	
<i>Parietaria debilis</i>				a
<i>Peperomia urvilleana</i>			o	
<i>Plantago raoulii (broad-</i> <i>leaved)</i>	(N.Z. plantain)	o		
<i>Ranunculus hirtus</i>	(bush buttercup)			o
<i>Raoulia sp. (c.f.R. hookeri)</i>		o		
<i>Rhagodia triandra</i>			o	
<i>Salicornia australis</i>	(glasswort)		o	
<i>Samolus repens</i>		o	o	
<i>Scleranthus biflorus</i>			o	
<i>Selliera radicans</i>	(half-star)	o	r	

<u>Dicotyledon herbs</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Raroa
Senecio hispidulus			r	
S. lautus		o	f	
Sonchus kirkii		o		
Stellaria parviflora		o		o
Tillaea sieberiana		o	o	
Vittadinia australis		r	o	
Wahlenbergia colensoi (?)	(harebell)			r
W. gracilis	(harebell)		f	
W. marginata	(harebell)	o		
<u>Monocotyledon Tree</u>				
Cordyline australis	(cabbage tree)			r
<u>Monocotyledon Lianes</u>				
Freycinetia baueriana banksii	(kie kie)	o		
Ripogonum scandens	(supplejack)	r		*
<u>Grasses</u>				
Agropyron sp (A. scabrum agg.)			o	
Cortaderia toetoe	(toi-toi)	f		
Deyeuxia billardieri	(sand bent)	o		
Dichelachne crinita	(plume grass)	r	o	
Echinopogon ovatus	(hedgehog grass)		o	
Lachnagrostis richardii		o		
Microlaena stipoides			a	f
Poa anceps		f		o
P. laevis	(silver tussock)	f	f	
Rytidosperma clavata				r
R. racemosa			o	o
R. unarede			r	
Spinifex hirsutus			r	
Trisetum antarcticum			o	

* Died when weedkiller used on shrub nettle, 1975.

<u>Orchids</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Raroa
<i>Caladenia carnea</i>				r
<i>Microtis unifolia</i>				r
<i>Pterostylis banksii</i>	(hood orchid)	r		o
<i>P. montana</i>	(hood orchid)			r
<i>Thelymitra longifolia</i>	(sun orchid)	o		
<u>Sedges</u>				
<i>Carex breviculmis</i>			r	
<i>C. dissita</i>				r
<i>C. flagellifera</i>		r		f
<i>C. geminata</i> var.	(cutty-grass)			r
<i>C. lessoniana</i>	(cutty-grass)			r
<i>C. secta</i> var. <i>secta</i>	(niggerhead)	r		
<i>C. virgata</i>		r		o
<i>C. sp</i> (c.f. <i>C. testacea</i> / <i>C. raoulii</i>)		f		o
<i>Cyperus ustulatus</i>	(cutty-grass)	r		o
<i>Eleocharis acuta</i>		r		
<i>Lepidosperma australe</i>	(4-square sedge)	r		
<i>Schoenus concinnus</i>		r		
<i>Scirpus antarcticus</i>				r
<i>S. cernuus</i>		o	o	
<i>S. nodosus</i>		o	f	
<i>S. prolifer</i>				r
* <i>S. pungens</i>			r	
<i>Uncinia scabra</i>	(hooked sedge)			r
<i>U. uncinata</i>	(hooked sedge)	o		r
<u>Rushes</u>				
<i>Juncus caespiticius</i>		r		
<i>J. maritimus</i> var. <i>australiensis</i>	(sea rush)		r	
<i>J. pallidus</i>	(leafless rush)	r		o
<i>J. sarophorus</i>	(leafless rush)			o
<i>Leptocarpus similis</i>	(jointed rush)		r	
<i>Luzula banksiana</i> var. <i>banksiana</i>	(wood rush)	o	o	
<i>L. picta</i> var. <i>picta</i>	(wood rush)	o		o

* Probably eliminated by parking area extensions, c. 1976/1977.

<u>Other herbaceous monocotyledons</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Raroa
(i.e. other than grasses, sedges, orchids, rushes):				
<i>Arthropodium candidum</i>	(dwarf renga lily)	r		o
<i>Astelia fragrans</i>		r		
<i>Collospermum hastatum</i>	(perching lily)			o
<i>Phormium cookianum</i>	(mountain flax)	a	f	
<i>Triglochin striatum</i>			r	

Ferns

<i>Adiantum cunninghamii</i>	(maidenhair)	f		r
<i>Arthropteris tenella</i>				f
<i>Asplenium bulbiferum</i> S.S.	(hen-and-chicken fern)	o		o
<i>A. colensoi</i>				r
<i>A. flabellifolium</i>				f
<i>A. flaccidum</i> subsp. <i>flaccidum</i>		r		o
<i>A. hookerianum</i>				a
<i>A. oblongifolium</i>	(shining spleenwort)	f	o	o
<i>A. polyodon</i>				o
<i>A. terrestre</i> subsp. <i>maritimum</i>			o	
<i>A. bulbiferum</i> x <i>A. flaccidum</i>				r
<i>A. bulbiferum</i> x <i>A. hookerianum</i>				o
<i>Blechnum chambersii</i>		f		o
<i>B. filiforme</i>		o		f
<i>B. membranaceum</i>				o
<i>B. minus</i>	(kio kio)	o		o
<i>B. sp.</i> (<i>B. capense</i> agg. - common large sp.)	(kio kio)	o		
<i>B. sp.</i> (<i>B. capense</i> agg. - lower pinnae not reduced)		o		
<i>Cyathea dealbata</i>	(ponga)			r
<i>C. medullaris</i>	(mamaku)	o		r
<i>Histiopteris incisa</i>	(water fern)	r		r
<i>Hypolepis distans</i>				r
<i>H. tenuifolia</i>		r		f
<i>H. sp.</i> (un-named; "lactea")				r
<i>Lastreopsis glabella</i>		o		o
<i>L. microsora</i>				r
<i>L. velutina</i>				o

<u>Ferns</u>	<u>Common name</u>	(1) Wairaka	(2) Coast	(3) Raroa
Paesia scaberula	(ring fern)			o
Pellaea rotundifolia s.s.		o		f
P. sp (un-named; "few scales")			r	
Phymatosorus diversifolius	(hound's tongue)	a	r	r
P. scandens				o
Pneumatopteris pennigera		a		
Polystichum richardii		f	f	f
Pteridium esculentum	(bracken)	o	o	r
Pteris macilenta		r		
P. tremula		r		r
Pyrrosia serpens		r	o	o

Abbreviations: a = abundant, f = frequent, o = occasional
r = rare.

Summary

Total number of native plants present in Raroa and Wairaka Reserves, including coastal parts of both reserves = 191.

	(1) Wairaka Reserve (Gully)	(2) Coast (pt. Raroa, pt. Wairaka)	(3) Raroa Reserve (forest)
(a) Number of species present	117 113	76	116
(b) % of total present	61 59%	40%	61%
(c) Number of species found in only <u>one</u> of areas 1, 2, or 3	29	20	49
(d) % of species found in only <u>one</u> of areas 1, 2, or 3. (based on totals in (a)).	26%	20%	42%