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Working Checklist of Species for Pukerua Bay Recreation Reserve (including "Fault Gorge"), and other hills and coast immediately west of Pukerua Bay residential area.

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A. Lists: 1. Trees and Shrubs (Dicot and monocot.)
2. Lianes (Dicot and monocot.)

3. Dicot herbs
4. Grasses
5. Sedges
6. Rushes
7. Other monocot herbs
8. Ferns
9. Hybrids

Additional notes on species.

Additional species in forest area west of railway from Whenuatapu Cemetery site.

Those species marked* have already been collected in the Reserve for the National Museum collection, as voucher specimens for the survey. Those marked + have been collected in the survey area, but outside the Reserve. No exotic species have been collected so far.

Record distribution and abundance, as a (abundant), f (frequent), o (occasional), r (rare), l (local - abundant in small area).

Name	Forest	Reserve Cliff	Gorge	Donlin Rd. Swamp	Wairaka Rock	Other
1. Trees and Shrubs.						
Alectryon excelsum	r					
Beilschmiedia tawa	r		f			
Brachyglottis repanda		o				
Carmichaelia arborea.						
var.						
Cassinia leptophylla	f		o			
Coprosma areolata	o					
Coprosma australis			f			
Coprosma lucida	r		f			
Coprosma propinqua	a	a	f			
Coprosma repens	o	o	f			
Coprosma rhamnoides	f		f			
Coprosma robusta	r		f			
Cordyline australis	r					
Coriaria arborea			f			
Coriaria sarmentosa		r	l			
Corynocarpus laevigatus	f	o	o			
Cyathodes fasciculata			f			
Cyathodes fraseri			l			
Cyathodes juniperina		r				
Dysoxylum spectabile	a		o			
Fuchsia excorticata			r			
Geniostoma ligustrifolium	o		f			
Griselinia lucida	o		r			
Hebe sp. ("parviflora- arborea")	r		r			
Hebe stricta var macroura		o	f			
Hedycarya arborea	o		o			
Leptospermum ericoides	f		a			
Leptospermum scoparium			f	o		
Lophomyrtus bullata	r					
Lophomyrtus obcordata	o					
Macropiper excelsum	a	r	a			
Melicope ternata	f		f			
Melicytus ramiflorus	a		a			
Mycoporum laetum	f	r	o			

Name	Reserve			Donlin Rd. Swamp	Wairakei Rock	Other
	Forest	Cliff	Gorge			
* Pseudopanax arboreum	r	o	a			
* Pseudopanax crassifolium	o		o			2 in forest
* Rhopalostylis sapida						fernants.
* Solanum aviculare	a		r	r		
* Urtica ferox						
2. Lianes.						
* Calystegia soldanella		a				
* Calystegia tuguriorum	o	r	r			
* Clematis hookeriana	r	r	r			
* Clematis paniculata	r		o			Forest abundant
+ Freycinetia						
* Metrosideros diffusa	o					
* Metrosideros fulgens	o		r			
* M. perforata	o		o			
* Muehlenbeckia australis	o		o			
* M. complexa	a	a	r	o		
* Parsonsia capsularis	r					
* P. heterophylla	r	r	r			
* Ripogonum scandens	r		r			
* Rubus cissoides	r					
* Rubus schmidelioides	r					
* Tetragonia trigyna	o	r	r			
* Tetrapathaea tetrandra	r					
3. Dicot herbs.						
+ Acaena anserinifolia					r	
* A. novae-zelandiae						
* A. sp. (Pukerua Bay endemic? -see notes)	r					
* Aciphylla squarrosa		f	r			
* Apium australe		f			r	
* Cardamine sp. (fleshy, beach sp.)						
* Centella uniflora	f		f	f		
* Colobanthus muelleri		o				
* Cotula coronopifolia (now regarded as introduced)			o	r		
* Cotula squalida			f			
* Craspedia uniflora			r			
* var. (see notes)						
* Dichondra repens	f	f	f	o		
* Disphyma australe		o	r			
* Epilobium alsinoides				r		
* E. insulare				a		
* E. komarovianum				r		
* E. nerteroides (=E. pedunculare var. viride)				r		
* E. nummularifolium						r- rocks near swamp
* E. rotundifolium				r		
* Galium propinquum	o	o		r		
+ Geranium microphyllum				r		
* Geranium sessiliflorum			r			
* Gnaphalium audax	r	o				
* G. gymnocephalum	r			r		
+ G. involucratum				r		
* G. luteo-album		o		r		
+ Haloragis depressa		o		o		Pasture near swamp.
* Haloragis erecta (= colensoi)				o		

Name	Reserve		Donlin Rd. Swamp	Wairaka Rock	Other
	Forest	Cliff			
7. Other monocot herbs.					
* <i>Arthropodium candidum</i>	o				
+ <i>Colospermum hastatum</i>	r				Forest above Wairaka.
* <i>Dryocenthus adversus</i>			o		
* <i>Lemna minor</i>			o		
* <i>Microtis unifolia</i>		a			
* <i>Phormium cookianum</i>	r				
* <i>Pterostylis banksii</i>			r		
* <i>Pterostylis montana</i>					
* <i>Thelymitra longifolia</i>		l			
* <i>Triglochin striata</i>			o		
8. Ferns.					
* <i>Adiantum cunninghamii</i>	r				
* <i>Arthropteris tenella</i>	f				
* <i>Asplenium bulbiferum</i>	r				
* <i>A. falcatum</i>	o				
* <i>A. flabellifolium</i>	a				
* <i>A. flaccidum</i>	o				
* "forest form"					
* <i>A. flaccidum</i>		o			
* "Titahi Bay form"					
* (Crookes & Dobbie)					
* <i>A. hookerianum</i>	a				
* <i>A. lucidum</i>	r				
* <i>Blechnum aggregatum</i>	o				
* (=lanceolatum)					
* <i>Blechnum capense</i>			o		
* "lowland bank form"					
* <i>B. capense</i>			o		
* "Green Bay form" -					
* Crookes)	l				
* <i>B. capense</i>			o		
* "swamp form"					
* <i>B. filiforme</i>	a				
* <i>B. fluviatile</i>					
* <i>B. membranaceum</i>	o				
+ <i>B. penna-marina</i>					
+ <i>Cheilanthes distans</i>					
* <i>C. sieberi</i>	r				
* <i>Cyathea dealbata</i>	r				
* <i>C. medullaris</i>	r				
* <i>Histiopteris incisa</i>					
* <i>Hypolepis distans</i>	r				
* <i>Hypolepis tenuifolia</i>	f				
* <i>Lastreopsis</i>					
* (=Ctenitis)glabella			o		
* <i>L. microsora</i>	r				
* (=C.decomposita)					
* <i>L. velutina</i>	f				
* <i>Faesia scaberula</i>	o				
* <i>Pellaea rotundifolia</i>	f				
* <i>Phymatodes</i>		o			
* <i>diversifolium</i>					
* <i>P. scandens</i>	o				
* <i>Polystichum richardii</i>	f				
* <i>Pteridium aquilinum</i>	o				
* var <i>esculentum</i>					

}Cliffs west of
Reserve.

Name	Reserve		Donlin Rd. Swamp	Wairaka Rock	Other
	Forest	Cliff Gorge			
9. <u>Hybrids</u> .					
Asplenium bulbiferum x flaccidum	r				
A. hookerianum x ?	r				
* Coprosma robusta x propinqua	r	o			
Parsonsia capsularis x heterophylla	o				
+Muehlenbeckia australis x complex.		f			

B. Additional notes on species.

1. Acaena "Pukerua Bay". Perhaps closest to A. pusilla?. Only known in the forest section of the Reserve, and three other forest remnants to the S.W.
2. Schoenus concinnus (= S. nitens var. concinus): the only known lowland Wellington locality, except perhaps Petrie's record for "east of Wellington heads" in "Flora of NZ" vol. 2. P. 195.
3. Craspedia uniflora var. This plant appears more like var. maritima than var. grandis, but has white flowers like the latter. (Titahi Bay is type locality for var maritima.)
4. Corybas aconitiflorus: may be in survey area. Recorded by J.B. Irwin in Pukerua Bay
5. Hymenanthera crassifolia. Seen by A.P. Druce on beach in survey area some years ago. (Pers.comm.)
6. Metrosideros excelsa and Pittosporum crassifolium are both common in the reserve, near houses. Neither is regarded as indigenous to the region.

C. Additional species in forest area west of railway from Whenuatapu Cemetery site.

Elaeagnus dentatus
Knightsia excelsa
Laurelia novae-zelandiae
Paratrophis microphylla
Rumohra hispida