

Higher plants of Stump Bay Conservation Area (60029) and Recreation Reserve (60036) part of the South Taupo Wetland

By Nicholas Singers, 4 August 1999. This visit traversed into the wetland approximately 500 m from the Northern end of Turangi Airfield, dissecting three vegetation types, Kanuka forest, regenerating manuka – *Coprosma* species/ *Baumea* shrub–sedgeland and regenerating Spanish heath – manuka shrubland.

With additions October, November 2001.

Vegetation types

Kanuka (6–8m) – [kohuhu] / *Baumea tenax* – *Blechnum minus*

Areas burnt in November 1993

Manuka (1.3–1.5m) – karamu – *Coprosma propinqua* subsp. *propinqua* – *Coprosma robusta* × *C. propinqua* (swamp daisy) / *Baumea tenax* – *Blechnum minus*

- This vegetation type is common in the majority of the burnt area, but disappears as the water table height increases when heading north wards towards Lake Taupo.

Spanish heath – manuka (1m)

- This vegetation type is common adjacent to the northern end of the Turangi airfield. Spanish heath becomes less common and eventually disappears when heading northwards into the wetland, as it becomes wetter. Several other weeds are present in this zone.

Abundance Key

Species abundance was quantified subjectively using the following abundance key.

r = rare

u = uncommon

l = local

o = occasional

c = common, also lc = locally common

a = abundant, also la = locally abundant

* = exotic/adventive species

Gymnosperm trees

**Pinus radiata* Monterey pine r

Dicot Trees and shrubs

**Berberis glaucocarpa* barberry u
**Betula pendula*
**Buddleja davidii* buddleia r
**Calluna vulgaris* heather l
Carmichaelia australis N.Z. broom r
Carpodetus serratus putaputaweta l
Coprosma lucida shinning karamu r

<i>Coprosma rhamnoides</i>		u
<i>Coprosma rigida</i>		u
<i>Coprosma robusta</i>	karamu	c
<i>Coprosma robusta</i> × <i>C. propinqua</i>		c
<i>Coprosma</i> sp. t: “ <i>taylorae</i> ” (Eagle, 1982)		o
<i>Coprosma tenuifolia</i>	wavy-leaf karamu	r
* <i>Cotoneaster simonsii</i>	kasia berry	o
* <i>Crataegus monogyna</i>	hawthorn	o
<i>Cyathodes juniperina</i>	mingimingi	r
* <i>Cytisus scoparius</i>	broom	o
<i>Erica lusitanica</i>	Spanish heath	la
<i>Griselinia littoralis</i>	broadleaf	r
<i>Hebe stricta</i>		
<i>Kunzea ericoides</i>	kanuka	la
<i>Leptospermum scoparium</i>		
* <i>Leycesteria formosa</i>	Himalayan honeysuckle	o
<i>Cyathodes fraseri</i>	prostrate mingimingi	u
<i>Olearia virgata</i>	swamp daisy	c
<i>Pittosporum tenuifolium</i>	kohuhu	lc
<i>Pomaderris phyllicifolia</i> var. <i>ericifolia</i>	tauhinu	l
<i>Pseudopanax arboreus</i>		
* <i>Rosa rubiginosa</i>	sweet briar	o
<i>Rubus</i> sp. (<i>R. fruticosus</i> agg.)	blackberry	c
* <i>Salix cinerea</i>	grey willow	lc
* <i>Salix fragilis</i>	crack willow	l
* <i>Ulex europaeus</i>	gorse	o

Dicot liannes

<i>Parsonsia capsularis</i>	N.Z jasmine	l
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Ferns and lycopods

<i>Blechnum novae-zelandiae</i>	kiokio	c
<i>Blechnum pennamarina</i>		o
<i>Blechnum minus</i>	swamp kiokio	a
<i>Botrychium australe</i>	parsley fern	r
<i>Dicksonia fibrosa</i>	wheki-ponga	r
<i>Gleichenia dicarpa</i>		
<i>Histiopteris incisa</i>		
<i>Paesia scaberula</i>	lace fern	lc
<i>Phymatosorus pustulatus</i>	hound’s tongue	u
<i>Polystichum vestitum</i>	prickly shield fern	u
<i>Pteridium esculentum</i>	bracken	u

Dicot herbs

* <i>Centaurium erythraea</i>	centaury	u
<i>Cardamine debilis</i> agg.		
<i>Centella uniflora</i>		
<i>Drosera binata</i>		
<i>Elatine gratioloides</i>	waterwort	u

<i>Epilobium chionanthum</i>		
<i>Epilobium pallidiflorum</i>		
* <i>Galium palustre</i>		
<i>Gonocarpus micranthus</i>		o
<i>Hydrocotyle heteromeria</i>		
<i>Hydrocotyle novae-zelandiae</i>		
<i>Lemna minor</i>		
* <i>Lotus pedunculatus</i>	lotus	o
* <i>Myosotis laxa</i>		
<i>Nertera depressa</i>		
* <i>Plantago lanceolata</i>		
* <i>Plantago major</i>	large leaf plantain	o
<i>Pratia angulata</i>	pratia	c
* <i>Prunella vulgaris</i>	selfheal	o
<i>Ranunculus amphitrichus</i>	waoriki	l
<i>Ranunculus glabrifolius</i>		
<i>Viola cunninghamii</i>		

Composite herbs

<i>Acaena anserinifolia</i>	bidibidi	l
<i>Aster novi-belgii</i> hybrids	Michaelmas daisy	o
* <i>Dichondra repens</i>	Mercury Bay weed	l
<i>Hydrocotyle dissecta</i>	hydrocotyle	u
<i>Senecio glomeratus</i>	fireweed	u

Orchids

<i>Corybas iridescens</i>	spider orchid	lc
<i>Corybas</i> “whiskers” ¹	spider orchid	l
<i>Microtis unifolia</i>	onion leaf orchid	o
<i>Pterostylis banksii</i>	greenhood	
<i>Prasophyllum</i> aff. <i>patens</i> ²		
<i>Spiranthes sinensis</i> ³	ladies tresses	r
<i>Thelymitra pulchella</i> ?		

Monocot herbs and grasses

<i>Cortaderia fulvida</i>	toetoe	lc
<i>Cortaderia toetoe</i>	toetoe	lc
* <i>Dactylis glomeratus</i>		
<i>Lachnagrostis elata</i>		
<i>Hierochloa redolens</i>	holy grass	o
* <i>Holcus lanatus</i>	Yorkshire fog	l
<i>Isachne globosa</i>		
* <i>Schedonorus phoenix</i>		
<i>Sparganium subglobosum</i>		

Sedges and rushes

¹ *Corybas* “whiskers” was found beneath dense grey willow near SH 1.

² A single plant of this was found in a willow monitoring plot.

³ *Spiranthes sinensis* (AUK 247558) is found on the northern end of the Turangi airstrip in small hollows / drains either side of strip.

<i>Baumea rubiginosa</i>		
<i>Baumea tenax</i>		a
<i>Carex diandra</i>		
<i>Carex echinata</i>		
<i>Carex lessoniana</i>		
<i>Carex maorica</i>		
<i>Carex geminata</i>	rautahi	c
<i>Carex secta</i>		
<i>Carex virgata</i>		o
<i>Eleocharis acuta</i>		
<i>Eleocharis gracilis</i>	slender spiked sedge	l
* <i>Juncus articulatus</i>	jointed rush	l
* <i>Juncus effusus</i>	soft rush	o
<i>Lepidosperma australe</i>		
<i>Leptocarpus similis</i>		
<i>Schoenus maschalinus</i>		l
<i>Triglochin striata</i>		
<i>Typha orientalis</i>	raupo	la
<i>Phormium tenax</i>	flax	lc