

Orchids
on database ✓

FENSHAM RESERVE

Information Source: White, Peter, Fensham Reserve Management Plan, approved March 2000.

w.p.

Location: 4.7kms north-north-west of Carterton, Wairarapa, on the southern side of Cobden Rd between Upper Belvedere & Haringa Rds. It is 100-170m above sea level. The map reference in the NZMS 260 series is map number S26 grid reference 208 204.

Figure 1 Reserve Location

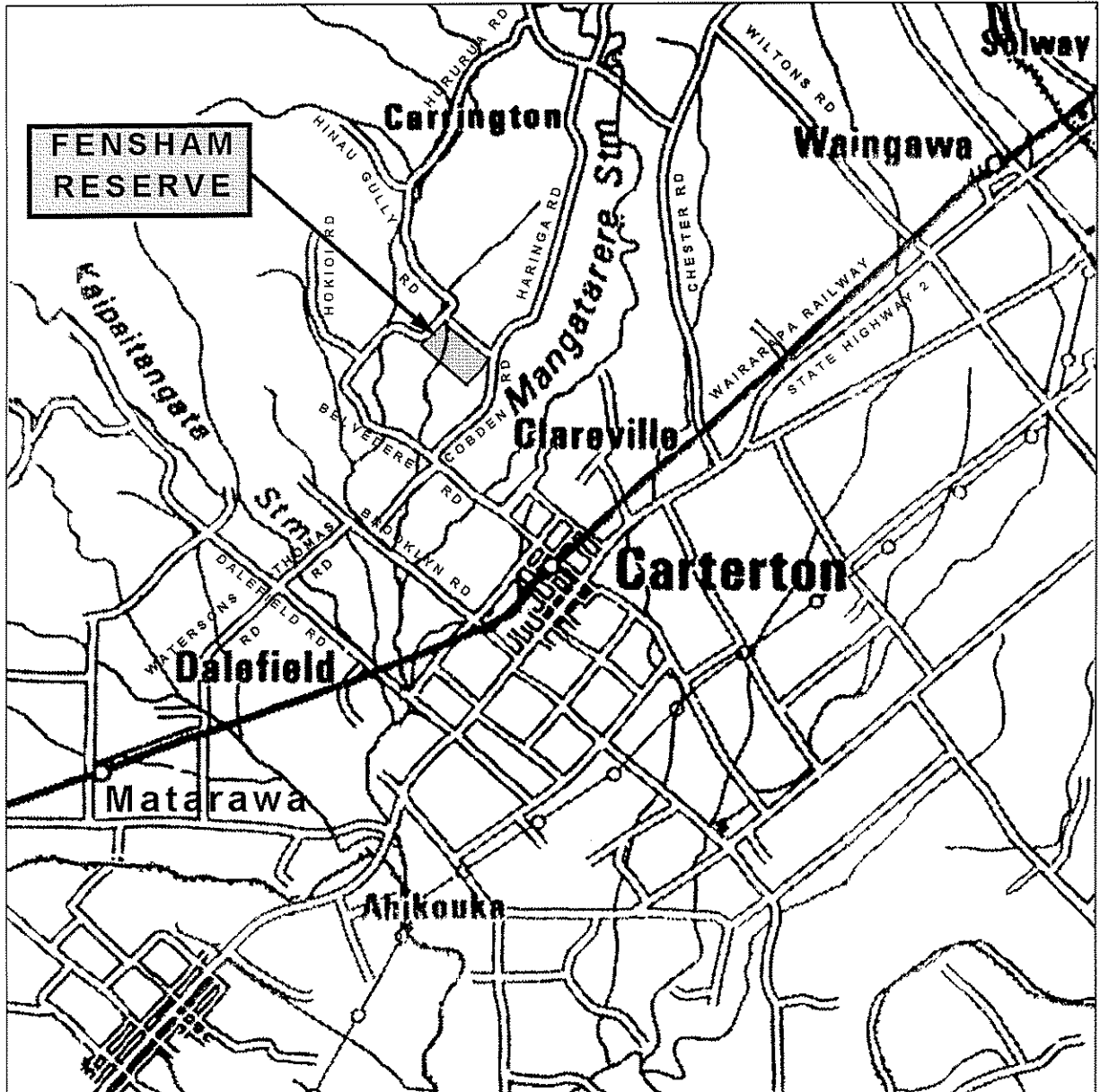


Figure 2 Vegetation Types

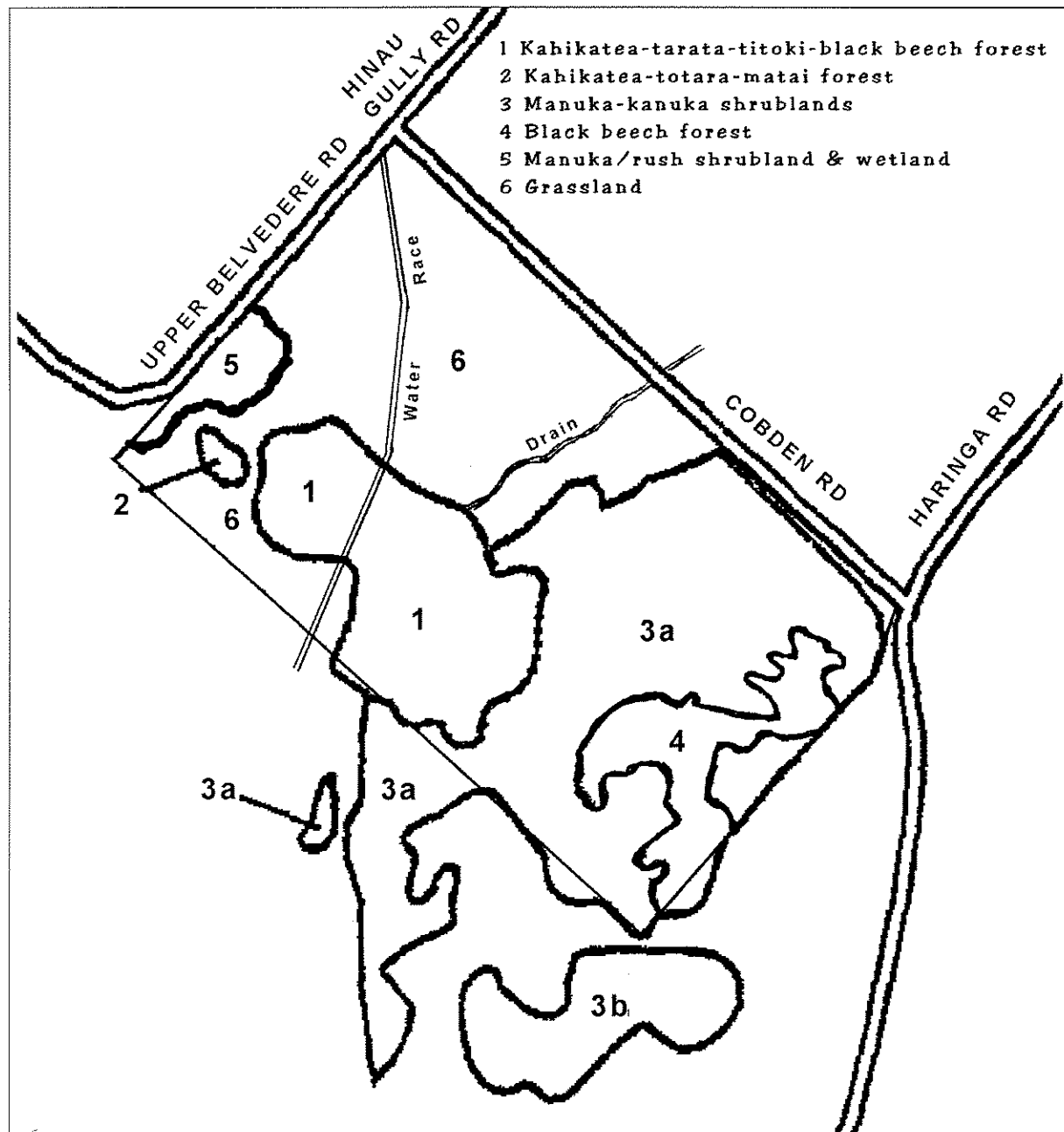


Table 1 Key to Vegetation Map

#	Vegetation Type
1	Kahikatea-tarata-titoki-black beech forest with totara, matai, rimu, kowhai and hinau on alluvial plain and hill slope.
2	Kahikatea-totara-matai forest with kanuka, hinau, pokaka and black beech on alluvial plain.
3a & 3b	Manuka-kanuka-rewarewa regenerating forest and shrublands with mingimingi (<i>Cyathodes juniperina</i> and <i>Leucopogon fasciculatus</i>), five finger, kamahi and emergent black beech on hill.
4	Black beech forest on hill.
5	Manuka/rush-sedge shrublands and wetland with kahikatea totara and mahoe on

	alluvial plain.
6	Exotic grasslands on alluvial plain.

APPENDIX 1: NATIVE FLORA IN FENSHAM RESERVE

Based on lists compiled by A P Druce 1969-1990, Wellington Botanical Society and Forest and Bird April 1995, revised by Peter White, March 1999

Legend

- (unc) uncommon (only one or a very few specimens seen)
(o) occasional
(p) planted
(p+) planted and naturally occurring
(l) local (may be common in small part of area)
(KS) noted by Kevin Smith

SCIENTIFIC NAME	MAORI NAME	ENGLISH NAME
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GYMNOSPERM TREES

<i>Dacrycarpus dacrydioides</i>	kahikatea	white pine
<i>Dacrydium cupressinum</i>	rimu	red pine
<i>Libocedrus bidwillii</i> (unc)	pahautea	
<i>Podocarpus totara</i>	totara	
<i>Prumnopitys ferruginea</i> (unc)	miro	brown pine
<i>P. taxifolia</i>	matai	black pine

DICOT TREES AND SHRUBS

<i>Alectryon excelsis</i> var. <i>excelsis</i>	titoki	NZ oak
<i>Aristotelia serrata</i> (unc)	makomako	wineberry
<i>Beilschmiedia tawa</i>	tawa	
<i>Brachyglottis repanda</i> s.s.	rangiora	
<i>Carpodetus serratus</i>	putaputaweta	
<i>Cassinia leptophylla</i> var. <i>laptophylla</i> (unc)	tauhinu	
<i>Coprosma areolata</i>		thin-leaved coprosma
<i>C. crassifolia</i>		
<i>C. grandifolia</i>	kanono	
<i>C. lucida</i> s.s.	karamu	shiny karamu
<i>C. microcarpa</i> (unc)		
<i>C. propinqua</i> ssp. <i>propinqua</i> (incl. <i>C. p.</i> var. <i>latiuscula</i>)		
<i>C. rhamnoides</i> ssp. <i>rhamnoides</i> (incl. <i>C.</i> <i>polymorpha</i>)		twiggy coprosma
<i>C. rigida</i>		
<i>C. robusta</i> (p) (unc)	karamu	
<i>C. r. x propinqua</i>		
<i>C. rotundifolia</i>		round-leaved coprosma

SCIENTIFIC NAME	MAORI NAME	ENGLISH NAME
<i>C. tenuicaulis</i>	hukihuki	swamp coprosma
<i>Cyathodes juniperina</i> var. (lvs. small, us. <1cm x <1mm)	mingimingi	prickly mingimingi
<i>Dodonaea viscosa</i> (p)	akeake	
<i>Elaeocarpus dentatus</i> (incl. <i>E.</i> var. <i>obovatus</i>)	hinau	
<i>E. hookerianus</i> (unc)	pokaka	
<i>Fuchsia excorticata</i> (unc) - 1 only seen	kotukutuku	tree fuchsia
<i>Gaultheria antipoda</i>	tawiniwini	snowberry
<i>Geniostoma rupestre</i>	hangehange	Maori privet
<i>Griselinia littoralis</i> (p+)	papauma	broadleaf
<i>G. lucida</i> (p)	puka	broadleaf
<i>Hebe stricta</i> var. <i>atkinsonii</i> (unc)	koromiko	
<i>Hedycarya arborea</i>	porokaiwhiri	pigeonwood
<i>Hoheria populnea</i> v. <i>lanceolata</i> (<i>H. sexstylosa</i>)	houhere	lacebark
<i>Knightia excelsa</i>	rewarewa	NZ honeysuckle
<i>Kunzea ericoides</i> var.	kanuka	
<i>Laurelia novae-zelandiae</i>	pukatea	
<i>Leptospermum scoparium</i>	manuka	tea tree
<i>Leucopogon fasciculatus</i>	mingimingi	
<i>Lophomyrtus bullata</i> (unc)	ramarama	
<i>L. obcordata</i> (unc)	rohutu	
<i>Macropiper excelsum</i> var. <i>excelsum</i> (unc)	kawakawa	
<i>Melicope simplex</i>	poataniwha	
<i>Melicytus micranthus</i> (incl. <i>M. m.</i> var. <i>microphyllus</i>) (unc)		small-leaved mahoe
<i>M. ramiflorus</i> ssp. <i>ramiflorus</i>	mahoe	whitey wood
<i>Myrsine australis</i>	mapou	red matipo
<i>M. salicina</i>	toro	
<i>Neomyrtus pedunculata</i>	rohutu	mountain rohutu
<i>Nestegis cunninghamii</i> (unc)	maire	black maire
<i>N. lanceolata</i>	maire	white maire
<i>N. montana</i> (unc)	oro-oro	narrow-leaved maire
<i>Nothofagus fusca</i> (p) (unc)	tawhairaunui	red beech
<i>N. solandri</i> var. <i>solandri</i>	tawhairauriki	black beech
? <i>N. truncata</i> ? - 1 only seen	tawhairaunui	hard beech
<i>Olearia lineata</i> (p+)		
<i>O. rani</i> var. <i>colorata</i>	heketara	
<i>O. solandri</i> (p)		coastal tree daisy
<i>O. virgata</i> var. <i>virgata</i> (incl. <i>O. v.</i> var. <i>ramuliflora</i>)		twiggy tree daisy
<i>Pennantia corymbosa</i>	kaikomako	
<i>Pittosporum eugenioides</i> (p+)	tarata	lemonwood
<i>P. ralphii</i> (p)	karo	
<i>P. tenuifolium</i> ssp. <i>tenuifolium</i> (unc) (p?)	kohuhu	
<i>Plagianthus regius</i>	manatu	ribbonwood
<i>Pseudopanax anomalus</i> (= <i>Neopanax anomalus</i>)		

SCIENTIFIC NAME*P. arboreus* var. *arboreus**P. crassifolius**Pseudowintera axillaris**Schefflera digitata* (unc)*Solanum laciniatum**Sophora microphylla* (p+) (unc)*Streblus heterophyllus**Syzygium maire**Weinmannia racemosa* var. *racemosa***MAORI NAME**

puahou

horoeka

horopito

pate

poroporo

kowhai

turepo

maire tawaki

kamahi

ENGLISH NAME

five finger

lancewood

pepper tree

sevenfinger

small-leaved milk tree

swamp maire

DICOT LIANES*Calystegia tuguriorum**Clematis foetida* (unc)*C. forsteri* (unc)*C. paniculata*(unc)*Metrosideros colensoi* (incl. *M. c.* var. *pendens*)*M. diffusa**M. perforata**Muehlenbeckia australis**Parsonsia heterophylla**Passiflora tetrandra**Rubus australis**R. schmidelioides* var. *schmidelioides*

pua-wiananga

aka

pohuehue

kaihua

kohia

tataramoa

tataramoa

native bindweed

yellow clematis

native clematis

white climbing rata

white climbing rata

small white rata vine

large-leaved

muehlenbeckia

native jasmine

NZ passionfruit

swamp lawyer

white lawyer

MONOCOT TREES*Cordyline australis* (p+) (unc)

ti kouka

cabbage tree

MONOCOT LIANES*Rhipogonum scandens*

kareao

supplejack

FERN ALLIES*Lycopodium volubile**L. varium* (incl. *L. billardierei* and *L. novae-zelandicum*) (unc)*Tmesipteris longata* (unc)*

hanging clubmoss

hanging clubmoss

FERNS*Adiantum cunninghamii*

puhinui

common maidenhair fern

Asplenium bulbiferum agg.

Mouku

hen and chickens fern

*A. flabellifolium**A. flaccidum*

makawa

hanging spleenwort

*A. gracillimum**A. hookerianum**A. oblongifolium**A. polyodon*

huruhuru whenua

petako

Hooker's spleenwort

shining spleenwort

sickle spleenwort

SCIENTIFIC NAME	MAORI NAME	ENGLISH NAME
<i>A. hybrids of A. bulbiferum, A. flaccidum, A. hookerianum</i>		
<i>Blechnum chambersii</i> (unc)	rereti	
<i>B. discolor</i>	piupiu	crown fern
<i>B. filiforme</i>	panako	thread fern
<i>B. fluviatile</i> agg.	Kiwikiwi	creek fern
<i>B. membranaceum</i> (unc)		
<i>B. minus</i>		
<i>B. m. x B. chambersii</i> (unc)		
<i>B. sp.</i> ("black spot" lowland)	kiokio	palm-leaf fern
<i>B. sp.</i> "brown scale" (= <i>B. procerum</i>)		common hard fern
<i>Botrychium bifforme</i>		parsley fern
<i>Cyathea dealbata</i>	ponga	silver tree fern
<i>C. medullaris</i>	mamaku	black tree fern
<i>C. smithii</i>	katote	soft tree fern
<i>Dicksonia fibrosa</i>	wheki-ponga	fibrous tree fern
<i>D. squarrosa</i>	wheki	rough tree fern
<i>Histiopteris incisa</i>	matata	water fern
<i>Hymenophyllum bivalve</i>		filmy fern
<i>H. flabelletum</i>		filmy fern
<i>H. multifidum</i>		filmy fern
<i>H. sanguinolentum</i> agg.		filmy fern
<i>H. scabrum</i>		filmy fern
<i>Hypolepis ambigua</i>		filmy fern
<i>Lastreopsis glabella</i>		
<i>L. hispida</i>	tuakura	hairy fern
<i>Lindsaea linearis</i>		
<i>L. trichomanoides</i>		
<i>Paesia scaberula</i>		lace fern
<i>Pellaea rotundifolia</i>	tarawera	button fern
<i>Phymatosorus pustulatus</i> (= <i>P. diversifolius</i>)	kowaowao	hound's tongue fern
<i>Pneumatopteris pennigera</i>	pakau	gully fern
<i>Polystichum richardii</i> (unc)	pikopiko	common shield fern
<i>Pteridium esculentum</i>	rarahu	bracken
<i>Pyrossia eleagnifolia</i>	ngarara wehi	leather-leaf fern

ORCHIDS

<i>Winika cunninghamii</i> (= <i>Dendrobium cunninghamii</i>) (unc)		lady's slipper orchid
<i>Earina autumnalis</i> (unc) ✓	raupeka	Easter orchid
<i>E. mucronata</i> s.s. ✓	peka-a-waka	bamboo orchid
<i>Microtis unifolia</i> (unc) ✓		
<i>Pterostylis alobula</i>		greenhood orchid
<i>P. banksii</i> (unc) ✓	tutu-kiwi	elf's hood orchid
<i>Thelymitra longifolia</i> ✓		white sun orchid

GRASSES

<i>Cortaderia fulvida</i> (l)	toetoe	
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SCIENTIFIC NAME

C. toetoe (o)
Microlaena avenacea (unc)
M. stipoides
Rhytidosperma clavatum
R. gracile

MAORI NAME

toetoe
 paatiitii

ENGLISH NAME

bush rice-grass
 meadow rice-grass
 danthonia
 danthonia

SEDGES

Baumea tenax (unc)
B. rubiginosa (unc)
Carex dissita s.s.
C. inversa (unc)
C. lessoniana
C. maorica (unc)
C. secta s.s. (unc)
C. virgata
Eleocharis acuta
E. gracilis
Isolepis distigmata
I. inundata
I. prolifer
I. reticularis (= *Scirpus reticularis*) (unc)
Schoenus apogon (unc)
S. maschalinus (unc)
Uncinia banksii (unc)
U. rupestris (incl. *U. angustifolia*)
U. uncinata
U. rupestris x *uncinata*
U. sp. (fine leaf - not *U. banksii*)

purei

kamu

sedge tussock
 carex bush sedge
 niggerhead
 sharp spike-sedge
 slender spike-sedge
 hook sedge
 hook sedge
 hook sedge
 hook sedge
 hook sedge

RUSHES

Juncus gregiflorus (unc)
J. pallidus (unc)
J. planifolius
J. sarophorus
J. sp. (or *J. sarophorus* x *effusus*?)
Luzula picta s.s.

wiwi

wood-rush

COMPOSITE HERBS

Helichrysum aggregatum
Lagenifera strangulata (unc)
Senecio glomeratus (unc)
S. minimus

parani

fireweed
 fireweed

DICOT HERBS OTHER THAN COMPOSITES

Acaena anserinifolia (unc)
Callitriche muelleri
Cardamine sp. (*C. debilis* agg.) ("Narrow Petal" of Pritchard 1957)
C. sp. (*C. debilis* agg.) ("Long Style" of

bidibidi, piripiri
 native starwort
 bittercress
 bittercress

SCIENTIFIC NAME	MAORI NAME	ENGLISH NAME
Pritchard)		
<i>Centella uniflora</i>		
<i>Dichondra</i> sp.		Mercury Bay weed
<i>Epilobium insulare</i> (unc)		willow herb
<i>E. pallidiflorum</i> (unc)		willow herb
<i>E. rotundifolium</i> (unc)		willow herb
<i>Gonocarpus micranthus</i> ssp. <i>micranthus</i>		
<i>Hydrocotyle dissecta</i> (unc)		pennywort
<i>H. heteromeria</i>		pennywort
<i>H. moschata</i>		pennywort
<i>H. pterocarpa</i>		pennywort
<i>Myriophyllum propinquum</i> (unc)		water milfoil
<i>Nertera depressa</i> (incl. <i>N. cunninghamii</i>)		
<i>Oxalis exilis</i>		native oxalis, wood sorrel
<i>Ranunculus amphitrichus</i>	waoriki	buttercup
<i>Stellaria decipiens</i> (incl. <i>S. parviflora</i>)		
<i>Urtica incisa</i>		stinging nettle

MONOCOT HERBS (OTHER THAN ORCHIDS, GRASSES SEDGES, RUSHES)

<i>Arthropodium candidum</i> (unc)		native lily
<i>Dianella nigra</i>	turutu	native blueberry
<i>Lemna</i> sp. (<i>L. minor</i> of NZ authors)		duckweed
<i>Phormium cookianum</i> (p) (unc)	wharariki	mountain flax
<i>P. tenax</i> (p) (unc)	harekeke	NZ flax
<i>Potomogoton suboblongus</i> (unc)	rerewai	mud pondweed

MOSSES

<i>Sphagnum</i> sp. (KC) - in wetland		sphagnum moss
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APPENDIX 3: EXOTIC FLORA IN FENSHAM RESERVE

Legend

(unc)	uncommon
*	surveillance plant - eradicated from reserve but may reinvade
(KS)	noted by Kevin Smith

SCIENTIFIC NAME	COMMON NAME
<i>Acaena novae-zealandiae</i> (unc)	bidibid
<i>Agrostis capillaris</i>	browntop
<i>Berberis glaucocarpa</i> (unc)	barbery
<i>Bidens frondosa</i> (unc)	beggar's ticks
<i>Chamaecutisus palmensis</i>	tree lucerne
<i>Corastium fontanum</i> ssp. <i>vulgaris</i>	mouse-eared chickweed
<i>Chamaecytisus palmensis</i>	tagasaste
<i>Cirsium arvense</i>	Californian thistle
<i>C. vulgare</i>	Scotch thistle
<i>Clematis vitalba</i> *	old man's beard

<i>Cotoneaster</i> sp.	cotoneaster
<i>Crataegus monogyna</i> (unc)	hawthorn
<i>Crococsmia x crocosmiifolia</i> (KS)	montbretia
<i>Crepis capillaris</i>	hawksbeard
<i>Cyperus eragrostis</i>	umbrella sedge
<i>Cytisus scoparius</i>	broom
<i>Dactylis glomerata</i>	cocksfoot
<i>Digitalis purpurea</i>	foxglove
<i>Elaeagnus x reflexa</i>	elaegnus
<i>Elodea canadensis</i> (unc)	oxygen weed
<i>Glyceria declinata</i>	blue sweet grass
<i>Hedera helix</i> ssp. <i>helix</i> (unc)	ivy
<i>Hydrangea macrophylla</i> (unc)	hydrangea
<i>Hypochoeris radicata</i>	catsear
<i>Iris foetidissima</i>	stinking iris
<i>Juncus articulatus</i>	jointed rush
<i>J. effusus</i>	soft rush
<i>Mycelis muralis</i>	wall lettuce
<i>Nasturtium microphyllum</i>	watercress
<i>Pinus radiata</i> (unc)	radiata pine
<i>Prunella vulgaris</i>	selfheal
<i>Ranunculus repens</i>	creeping buttercup
<i>Rubus fruticosus</i> agg. (unc)	blackberry
<i>Salix fragilis</i> (unc)	crack willow
<i>Sambucus nigra</i> (unc)	elder
<i>Senecio jacobaea</i>	ragwort
<i>Solanum gracile</i>	nightshade
<i>S. nigrum</i>	nightshade
<i>S. pseudocapsicum</i>	Jerusalem cherry
<i>Solcus lanatus</i>	Yorkshire fog
<i>Sonchus oleraceus</i>	puha, smooth sow thistle
<i>Tradescantia fluminensis</i>	wandering jew
<i>Ulex europaeus</i> (unc)	gorse
<i>Viola odorata</i>	violet
<i>Watsonia bulbifera</i>	watsonia