

Plant Species for Maungawhau Restoration, Protection and Use.

Draft 30 March 2009 Comments appreciated to update and correct

[Ref ; Based on the Management Plan; Vegetation Plan; Caring for Archaeological sites - DOC 2007; and documents / input from J Fillery, Elaine Marshall, Kit Howden and Susan Bulmer]

The Species list is being formed to develop a long term, sustainable cost effective vegetation cover to meet the protection, biodiversity and appropriate uses of the site. Priority is placed on natural regeneration of appropriate native species. The list is also a basis for ordering of species for planting each year as well as those that need to be protected in the weeding / releasing programmes. The list can be used as a guide to identify the various agendas [aesthetic, recreation, scientific etc] for the vegetation cover on the Maunga. Maori and Archaeological values take priority and the list can be also part of an education program for the Maunga.

The list needs to be aligned within a urban forest management practice which includes areas and frequency to be cleared of woody plant material for archaeological purposes; old tree removal based on stability issues; tree planting to stabilize areas wildlife habitat restoration; aesthetic enhancement; food purposes etc

Additions and comments welcome.

Plant Species for Maungawhau

FS = Full Sun

PS = Partial Shade

S = Shade

Ground covers and plants for visible archaeological sites where non invasive root mass undesirable [approx 1500 mm in height]

Arthropodium sp rengarenga lily PS

Astelia banksii FS to PS

Astelia solandri FS to S

Asplenium oblongifolium [similar to A. lucidium] PS to S

Asplenium lucidum S

Clianthus puniceus Kaka beak FS [David Givens Rare and Endangered Plants of New Zealand Plants of the Coast - Plants of Forest and scrub pg 77 The earliest collections of this came from coastal localities but it is likely that in many of these places it was deliberately cultivated by the Maori.]

Dichondra repens [plus D. brerifolia] Mercury Bay weed. FS to PS

Opismenus hirtellus sub sp. imbecillis [bush panic grass] PS to S

Hibiscus trionum [David Givens Rare and Endangered Plants of New Zealand Plants of the Coast -pg 45.. sometimes comes up in abundance when old sites of Maori gardens are disturbed, even when the species is not known from the area. The only explanation offered so far is that Maori deliberately cultivated the species for its attractive flowers. E.M.]

Microlaena avenacea patiti, [bush rice grass] FS to PS

Mirolaena stipoides [Meadow rice grass] PS to FS

Haloragis erectus FS to PS

Carex lamberiana [preferable to the used C. dissita. See Chris McKain "Carex in Auckland" J.F.] PS

Muelenbeckia spp Pohuehue FS and PS

Phormium spp Harakeke FS

Pteridium esulentum Bracken or aruhe FS

Uncinia spp Native Nettles PS
Pepperomia sp

Under Story plants and shrubs [up to 6m in height]

Entelia arborescens [whau]	FS to PS
Brachyglottis repanda [rangiora]	FS to S
Macropiper excelsum [kawakawa]	PS to S
Olearia fururaceae [akepiro]	SF to PS
Solanum aviculare [poroporo]	FS to PS
Geniostoma ruestre [hangehange]	PS to S
Coprosma spp	FS to S
Coriaria spp	FS
Dodonaea viscosa [akeake]	FS
Myrsine australis [mataui]	FS to PS
Cyathea spp	PS
Nikau	PS
Hedycarya arborea Pigeon wood	PS
Mahoe	

Pseudopanax lessoniana [At Wiethel Thomes reserve on the other side of Mt Eden Maungawhau Pseudopanax lessoniana forms quite a main component of the native flora E.M.]

Trees

Dacrydium spp Rimu etc
Phyllocladus sp Tanekaha
Beilschmieda tarairi Tarairi
Kohekohe
Pohutukawa
Puriri
Karaka
Sophora spp
Kauri

Fire-resistant plants for fire-prone areas

Policy is based on the Lean, Clean and Green Principles

See www.wellington.govt.nz/services/emergencymgmt/pdfs/scrubfires.pdf

The following native plants have relatively low flammability [not all appropriate for Maungawhau] .

Carpodetus serratus (*Putaputaweta*)
Coprosma australis (*Raurekau/Kanono*)
Coprosma grandifolia (*Kanono*)
Coprosma repens (*Taupata*)
Coprosma robusta (*Karamu*)
Corynocarpus laevigatus (*Karaka*)
Fuchsia excorticata (*Kotukutuku, Tree Fuchsia*)
Geniostoma liquistrifolium (*Hangehange*)
Griselinia lucida (*Puka*)
Macropiper excelsum (*Kawakawa/Peppertree*)
Pittosporum crassifolium (*Karo*)
Pseudopanax arboreus (*Five Finger*)
Solanum aviculare (*Poroporo*)

Other spp include Harakeke, Karo, cabbage tree/tī kōuka

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