

Orchids on
dipose

Checklist of indigenous vascular plants seen at: Tom Dick Reserve (SWDC) and Coastal cliffs Stewardship (DoC)

Aorang

Grid Ref: NZMS 260 S 28 958.726

Altitude 0 - 110m.asl

Visited: 17.01.00 T. Silbery, A.Rebergen

Time on site: 2½ hours

LIST # 38

Site description:

A deep gully cutting through the coastal scarp to the sea. Flat areas of the uplifted shore on each side have been cleared. In the inland part the substrate is unconsolidated conglomerate with many exposed boulders, giving way to soft papa mudstone near the sea. The inland portion is forested, with a mixture of black beech and broadleaf forest, giving way to pure broadleaf forest/scrub associations nearer the coast. In the lower reaches there is considerable erosion associated with the papa and the vegetation here is consequently much more disturbed, with gorse †*Ulex europaeus* a prominent feature.

There is a picnic/campsite near the road and the stream here has been the site of illegal rubbish dumping. Restriction on vehicle entry and a clean up of the streambed are both warranted.

Canopy height in the stream is over 10 metres, falling to 3 - 3.5 metres on the upper part of the slopes. Five finger (*Pseudopanax arboreus*) and *Pittosporum tenuifolium* are prominent here, along with rewarewa (*Knightia excelsa*). Some old gorse bushes, long overtopped by native trees, persist in the understorey. *Olearia paniculata*, *Macropiper excelsum* var. *excelsum* and *Corynocarpus laevigatus* formed a significant component of the understorey.

Near the coast manuka (*Leptospermum scoparium*), toetoe (*Cortaderia fulvida*) and the undescribed Cook Strait kowhai ("Sophora Cook Strait") are prominent, and finally the coastal herbs *Samolus repens* and *Disphyma australe* arrive as the maritime nature of the environment makes its effect fully felt.

Significant or unusual plants/associations:

Apart from the unusual nature of a reserve that runs from beech forest to coastal herbs, the ferns *Adiantum diaphanum* and *Cyathea cunninghamii* are both rarely seen. *Adiantum diaphanum* is noted from this area on the Druce 118 list, covering the area between the western end of Ocean Beach and Te KauKau Point, while *Cyathea*

cunninghamii is known in the Wairarapa only from records from the Rocky and Oterei Taipos, both in the Eastern Wairarapa ED.

A single specimen of *Dodonaea viscosa* is assumed to have been planted.

One large fern remains unidentified.

Search effort Recce Moderate Thorough

Nomenclature generally follows Indigenous Higher Plants of New Zealand, 8th revision, 1992 by A.P. Druce

* indicates species listed on the Wellington Conservancy plant database

(unc) = uncommon, one or few plants seen.

Gymnosperm trees and shrubs

Monocotyledonous trees and shrubs

Cordyline australis *

Dicotyledonous trees and shrubs

Alectryon excelsus var. *excelsus*

Beilschmiedia tawa

Brachyglottis repanda

Carmichaelia australis var.

Carpodetus serratus

Coprosma grandifolia

Coprosma lucida

Coprosma rhamnoides

Coprosma robusta

Coriaria arborea

Corynocarpus laevigatus

"*Cyathodes juniperina* E"

Elaeocarpus dentatus

Geniostoma ligustrifolium

Hebe stricta var. *atkinsonii*

Hedycarya arborea

Helichrysum lanceolatum var. *aggregatum*

Knightia excelsa

Kunzea ericoides agg.

Laurelia novae-zelandiae

Leptospermum scoparium
Macropiper excelsum ssp. excelsum
Melicytus crassifolius (unc)
Melicytus ramiflorus
Myoporum laetum var. laetum
Myrsine australis
Nothofagus solandri var. solandri
Olearia paniculata
Olearia rani var. colorata (unc)
Ozothamnus leptophyllus ssp. leptophyllus
Pimelea urvilleana (unc)
Pittosporum eugenioides
Pittosporum tenuifolium ssp. tenuifolium*
Pseudopanax arboreus
Schefflera digitata
Solanum aviculare var. aviculare
"Sophora Cook Strait" (unc)
Streblus heterophyllus
Urtica ferox

Monocotyledonous lianes

Freycinetia banksii *
Ripogonum scandens

Dicotyledonous lianes and related trailing plants

Calystegia tuguriorum
Clematis forsteri var.
Clematis paniculata
Metrosideros diffusa
Metrosideros perforata
Muehlenbeckia australis *
Muehlenbeckia complexa
Parsonsia capsularis
Parsonsia heterophylla
Rubus schmidelioides var.

Psilopsids, Lycopods and Quillworts

Ferns

Adiantum cunninghamii
Adiantum diaphanum *

Asplenium bulbiferum
Asplenium flabellifolium agg.
Asplenium flaccidum
Asplenium hookerianum
Asplenium oblongifolium
Blechnum chambersii
Blechnum discolor (unc)
Blechnum filiforme
Blechnum novae-zelandiae var. novae-zelandiae
Cyathea cunninghamii* (unc)
Cyathea dealbata
Cyathea medullaris
Grammitis billardierii
Hymenophyllum demissum (unc)
Lastreopsis glabella
Lastreopsis velutina (unc)
Leptopteris hymenophylloides
Microsorium pustulatum
Microsorium scandens
Pellaea rotundifolia
Pneumatopteris pennigera
"Polystichum Deep Purple"
Pteridium esculentum
Pteris macilenta
Pteris tremula
Pyrrosia eleagnifolia

Monocotyledonous herbs:

Orchids

Pterostylis banksii (unc) ✓

Grasses

Cortaderia fulvida
Elymus sp (prostrate on exposed papa, lvs green/brown)
Microlaena avenacea
Microlaena stipoides var. stipoides
Poa anceps ssp. anceps
Poa cita
Rytidosperma gracile

Sedges

Carex forsteri
Gahnia setifolia
Uncinia banksii
Uncinia scabra
Uncinia uncinata

Rushes and allied plants

Juncus gregiflorus
Luzula banksiana

Monocotyledonous herbs other than orchids, grasses, sedges, rushes and allied plants

Arthropodium candidum (unc)
Astelia solandri var.
Libertia sp. (large, tussock forming, not in flower or fruit, [ixioides, grandiflora])
Phormium cookianum *

Dicotyledonous herbs - composites

Euchiton audax (= Gnaphalium audax)
Pseudognaphalium luteoalbum
Senecio biserratus
Senecio lautus var. lautus

Dicotyledonous herbs other than composites

Apium australe
Cardamine sp. (C. debilis agg.) ("Long style" of Pritchard 1957)
Disphyma australe
Epilobium komarovianum (unc)
Haloragis erecta subsp. erecta
Hydrocotyle elongata
Lobelia anceps (unc)
Ranunculus reflexus
Samolus repens
Stellaria decipiens
Tetragona trigyna
Wahlenbergia colensoi

Birds

Bellbird

Californian quail

Fantail

Grey warbler

Shining cuckoo

Silvereye

Tui