

~~SCULAR FLORA OF MATIU (SOMES) ISLAND (NZMS 260 R27663925,
Altitude 72 m a.s.l.) AND ADJACENT ROCKSTACKS, WELLINGTON HARBOUR~~

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Based on a seven hour visit by P. dL, (19 September 1991) and a checklist published by Freegard & Weeber (1986). Additions made by members of the Wellington Botanical Society (1 August 1992), (8 additions) and by P. dL & G.M.C. (4 September 1992), (29 additions).

Abbreviations

- (Unc) = Uncommon
 p = planted (115 species)
 (n) = planted on Matiu and subsequently naturalised but not considered indigenous to the island (32 species)
 (i) = species indigenous to Matiu but also naturalised from plantings of unprovenanced material (12 species)
 * = adventive or exotic species planted and/or naturalised on Matiu (152 species)
 † = species additions to those recorded by Freegard & Weeber (1986) (219 species)
 (Freegard & Weeber 1986) = species not seen by P.J. de Lange (9 species)

Doubtful and Erroneous records are listed separately on page 9.

FERNS (23)

- Adiantum cunninghamii* †
Asplenium bulbiferum s.s.
A. flabellifolium †
A. flaccidum s.s.
A. hookerianum † (Unc)
A. oblongifolium (Unc)
A. obtusatum s.s. † WELT P8727
A. polyodon †
A. terrestre subsp. *maritimum* †
Blechnum banksii
Blechnum minus †
B. sp. 'black spot' (*B. capense sensu* Allan 1961) † (Unc)
Cyathea dealbata
C. medullaris p,i
Dicksonia squarrosa † - small plant
Hypolepis ambigua † (Unc)
H. lactea (Unc)
Lastreopsis microsoria subsp. *pentangularis* † (Unc)
Pellaea rotundifolia †
Phymatosorus pustulatus

Polystichum richardii
Pteridium esculentum
Pyrrosia eleagnifolia

GYMNOSPERMS (9)

Agathis australis† p
 **Cupressus macrocarpa* p,n
Dacrycarpus dacrydioides p
Dacrydium cupressinum† p
 **Pinus radiata* p,n
Phyllocladus trichomanoides† p
Podocarpus totara (Unc) - one tree only CHR
Prumnopitys ferruginea p
P. taxifolia p (Freegard & Weeber 1986)

MONOCOTYLEDONOUS TREES (2)

Cordyline australis p,i
Rhopalostylis sapida† p

MONOCOTYLEDONOUS LIANES (2)

Freycinetia banksii† (Unc)
Ripogonum scandens† (Unc) Seedling

DICOTYLEDONOUS TREES & SHRUBS (105)

Alectryon excelsus var. 'excelsus' p
Aristotelia serrata p
Brachyglottis repanda p, ?n
B. greyii var. 'compacta'† (Unc) p
B. greyii var. 'greyii'† (Unc) p
B. greyii x *monroi* var. 'compacta'† p
Cassinia leptophylla var. 'leptophylla'
 **Chamaecytisus palmensis*† p, n
 **Chrysanthemoides monilifera*† (Unc)
Clianthus puniceus p
Coprosma crassifolia† (Unc)
C. grandifolia
C. lucida† (Unc) p,i
C. macrocarpa subsp 'macrocarpa'† p
C. parviflora s.s. p (Freegard & Weeber 1986)
C. propinqua
C. repens (incl ~~some~~ *C. repens* s.s. & *C. repens* form (i) of Eagle (1982)
C. rhamnoides
C. robusta p,i

↓
small font

- C. propinqua* x *repens*† (Unc)
C. propinqua x *robusta*
Corokia buddleioides p (Freegard & Weeber 1986)
C. cotoneaster p
C. buddleioides x *cotoneaster* (*C. x virgata*)† p
Corynocarpus laevigatus p,i
Dodonaea viscosa p,n
Dysoxylum spectabile p
Elaeocarpus dentatus† p
**Entelea arborescens*† p
**Erica lusitanica*†
**Eucalyptus saligna* sp.† p,n
Geniostoma rupestre var. *ligustrifolium*† (Unc)
Griselinia littoralis p
G. lucida p,i
Hebe 'arborea'†, p
H. cupressoides† (Unc) p
H. elliptica var. *elliptica*† p,n CHR
H. odora† p
H. recurva (incl. *H. albicans*)† p
H. speciosa s.s. p
H. stricta var. *atkinsonii*†
H. stricta var. *macroura*†
H. stricta var. *stricta*† (Unc) p
H. stricta var. *atkinsonii* ⇌ var. *macroura*† (Unc)
H. x andersonii 'Andersonii' (*H. salicifolia* x *speciosa*)† p
H. x andersonii 'Andersonii variegata' (*H. salicifolia* x *speciosa*)† (Unc) p
H. 'Boulder Lake' (*H. diosmifolia* x 'arborea')† p
H. 'Inspiration' (*H. diosmifolia* x *speciosa*)† p
H. x carnea 'Carnea' (*H. speciosa* x '?')† (Unc) p
H. x francisana 'Blue Gem' (*H. elliptica* var. *elliptica* (Falklands provenance) x *speciosa*)† p,n
H. x 'La Seduisante' (*H. speciosa* x '?')† p,n
H. speciosa 'variegata'† (Unc) p
Hedycarya arborea p
Hoheria populnea var. 'populnea' p
Knightia excelsa p
Kunzea ericoides var. *ericoides* p
Leptospermum scoparium (+ cultivars) p
Leucopogon fasciculatus† (Unc)
L. fraserii
**Lupinus arboreus*
**Lycium ferocissimum*
Macropiper excelsum var. *excelsum* p,?i
Melicytus crassifolius
M. obovatus var. 'obovatus' (Unc) CHR
M. ramiflorus var. *ramiflorus* p,i
Meryta sinclairii† (Unc) p
Metrosideros excelsa p,n
M. kermadecensis p

M. laetum var. *laetum* p, i
Myoporum insulare† p
Myoporum laetum var. *laetum* p,i
Myrsine australis
 **Olea europaea* p (Freegard & Weeber 1986)
Olearia albida†
O. angulata† p
O. paniculata
O. solandri (Unc)
O. traversii p
O. x haastii (*O. aviceniifolia* x *moschata*)† p
Pimelea prostrata (incl. semi-erect forms possibly planted on island)
P. urvilleana† (Unc)
Pittosporum crassifolium p,n
P. eugenoides p
P. ralphii p
P. tenuifolium subsp. '*tenuifolium*' p
 **P. undulatum*† p
Pomaderris apetala p
 **P. aspera*† (Unc) p,n
P. ericifolia† (Unc) (seedlings only)
P. kumeraho p (Freegard & Weeber 1986)
Pseudopanax arboreus p
P. crassifolius p
P. ferox† (Unc) p
P. laetus p
P. lessonii p
P. crassifolius x *lessonii*† p
 **Racosperma melanoxyton*† p,n
 **Sambuccus nigra*
Schefflera digitata† p
Solanum aviculare p,i
S. lacinatedum
Sophora microphylla var. *microphylla* p,i CHR
S. tetraptera† p
 **Ulex europaeus*†
Vitex lucens† p

DICOTYLEDONOUS LIANES AND RELATED SCRAMBLING PLANTS (12)

Calystegia sepium agg.† (Unc)
C. soldanella
C. turguriorum†
Clematis forsterii†
C. paniculata (Freegard & Weeber 1986)
Fuchsia procumbens† p,?n
Metrosideros perforata†
Muehlenbeckia australis
M. complexa†

M. australis x *complexa*†
 **Rubus fruticosus* agg. †
Tetragonia trigyna

GRASSES (37)

**Agrostis capillaris*
 **A. stolonifera*†
 **Aira caryophylla* subsp. *caryophylla*†
 **Ammophila arenaria*† (Unc)
 **Arrhenatherum elatius* subsp. *elatius*
 **Anthoxanthum odoratum*
 **Bromus diandrus*
 **B. hordeaceus*†
 **B. willdenowii*
 **Catapodium rigidum*†
Cortaderia fulvida
 * *C. jubata*† p,n
C. toetoe†
 **Dactylis glomerata*†
Deyeuxia avenoides†
D. billardieri†
 **Ehrharta erecta*†
 **Elymus rectisetus* (Unc)†
E. 'glaucous'
 **Festuca arundinaceae*†
F. multinodis†
 **F. rubra*†
 **Holcus lanatus*
 **Hordeum murinum*
Lachnagrostis filiformis s.s.†
 **Lolium perenne*
Oplismenus imbecillus† (Unc)
Poa anceps var. *anceps* WELT 61219
 **P. annua*†
P. cita†
 **Pseudosasa japonica*† (Unc) p,n
 **P. pratensis*†
Puccinella stricta†
 **Rytidosperma racemosum*†
 **R. sp.*†
 **Sporobolus africanus*†
Trisetum antarcticum s.s.†

ORCHIDS (3)

Bulbophyllum pygmaeum† (Unc)
Microtis unifolia p, i

Thelymitra longifolia subsp. 'longifolia' †

RUSHES (3)

Juncus gregiflorus † (Unc)
J. maritimus var. *australiensis* † (Unc)
Luzula banksiana s.s.

SEDGES (12)

**Carex divulsa* †
Carex flagellifera †
C. lessoniana † (Unc) - wet seepage near lighthouse
C. trifida p (Freegard & Weeber 1986)
~~*C. virgata* †~~
 **Cyperus tenellus* †
C. ustulatus
Isolepis cernua †
I. habrus † (Unc) - wet seepage near lighthouse WELT 20142
 **I. marginata* †
I. nodosa
 **I. sepulcralis* †

MONOCOTYLEDONOUS HERBS (Other than Grasses, Orchids, Rushes and Sedges) (16)

**Aloe arborescens* † p
 **Allium triquetrum* †
Arthropodium candidum †
A. cirrhatum p
Astelia solandri † (Unc)
 **Knipholia ? uvaria* † p
Lemna minor (Unc)
Leucojum aestium † (Unc) p
Libertia ixioides p,i
 **Narcissus x incomparabilis* † (Unc) p,n
 **N. pseudonarcissus* † p,n
 **N. tazetta* var. *?italica* † p,n
Phormium cookianum
P. tenax p,n
 **Sisyrinchium iridifolium* †
Triglochin striatum

DICOTYLEDONOUS COMPOSITE HERBS (34)

- **Achillea millefolium*
 **Arctotheca calendula*
 **Bellis perennis*†
 **Carduus nutans*† (Unc)
 **C. tenuiflorus*†
 **Cirsium arvense*†
 **C. vulgare*
Cotula australis†
C. coronopifolia†
Craspedia uniflora var. *maritima*† (Unc)
 **Crepis capillaris*†
 **Conyza albida*†
Gnaphalium audax
 **Hypochaeris radicata*
Lagenifera petiolata†
 **Lapsana communis*†
 **Leontodon taraxacoides*†
Leptinella dioica subsp. *dioica*† (Unc)
 **Mycelis muralis*†
 **Osteospermum fruticosum*† p,n
 **Picris echioides*†
Pseudognaphalium sp. *luteo-album* agg.†
 **Senecio angulatus*† (Unc) - eradicated
 **S. elegans*† (Unc)
 **S. glastifolius*† (Unc) - one plant (eradicated)
S. glomeratus†
S. lautus subsp. *lautus* var. *lautus* CHR
 **S. sterquilinus*† CHR
 **Silybum marginatum*†
 **Solvia sessilis*†
 **Sonchus asper*†
 **S. kirkii*† (Unc)
 **S. oleraceus*
 **Taraxacum officinale*

DICOTYLEDONOUS HERBS (Other than composites) (109)

- **Acaena novae-zelandiae*
Aciphylla squarrosa s.s.
 **Aeonium arboreum*† p
 **A. harworthii*† p,n
 **Anagallis arvensis* subsp. *arvensis* var. *arvensis*†
Apium prostratum
 **Atriplex prostrata*
 **Brassica oleraceus*†
 **Callitriche stagnalis*†

- **Capsella bursa-pastoris*† (Unc)
 **Cardamine hirsuta*†
Centella uniflora†
 **Cerastium glomeratum* †
Colobanthus muelleri
 **Coronopus didymus*†
 **C. squamatus*† (Unc)
 **Cotyledon orbiculata* var. *orbiculata*† (Unc) p,n
 **Crassula coccinea*† p
 **C. decumbens*
C. moschata
~~*C. peduncularis*~~† (Unc) - one patch on eastern side by jetty
~~*C. ruamahanga*~~† (Unc) - one patch near lighthouse in shaded pool
C. sieberiana
 **C. spathulata*† (Unc) p,n
 **C. tetragona*† (Unc) p,n
Dichondria repens†
Disphyma australe subsp. *australe*
 **Drosanthemum floribundum*† p,n
 **Echium candicans*† (Unc) p,n
Einadia triandra
Epilobium nummularifolium†
 **Erodium circuitarium*†
 **Euphorbia peplus*†
 **Foeniculum vulgare*†
 **Fumaria muralis*
 **Galium aparine*
G. propinquum† (Unc)
 **Geranium dissectum*†
 **G. molle*
 **Glaucum flavum*
Haloragis erecta subsp. *erecta*
 **Hibiscus trionum* (N.Z. form lacking blotched centre)† (Unc) p
Hydrocotyle heteromeria† (Unc) - naturalised? only in lawns
H. 'laciniata'† (Unc) - naturalised? only in lawns
H. microphylla† (Unc) - naturalised? only in lawns
H. moschata s.s. †
 **Lavatera arboria*
Lilaeopsis novae-zelandiae
 *~~*Limosella lineata*~~† (Unc) - one patch on eastern side by jetty
Linum monogynum WELT 51076
Lobelia anceps
 **Marrubium vulgare*
 **Medicago arabica*
 **M. polymorpha*
 **M. sativa*†
 **Orobanche minor*
Oxalis exilis †
 **O. incarnata*†

- **O. latifolia*
O. rubens† (Unc)
Parietaria debilis† (Unc)
 **P. judacia*†
 **Pelargonium x asperum*† (Unc) p
 **P. x domesticum*† (Unc) p
Peperomia urvilleana†
 **Phytolacca octandra*†
 **Plantago australe*
 **P. coronopus*
 **P. lanceolata*
 **Polycarpon tetraphylla*
 **Portulacca oleracea*†
 **Raphanus raphanistrum* subsp. *maritimum*
 **Rapistrum rugosum*†
Ranunculus acaulis
 **R. parviflorus*†
 **R. repens*†
 **Rorippa nasturtium-officinale*†
 **Rumex acetosella*
 **R. aviculare*†
 **R. conglomeratus*†
 **R. crispus*
 **R. obtusifolius*†
 **R. pulcher*† (Unc)
 **Sagina procumbens*
Samolus repens
Sarcocornia quinquefolia
 **Saxafragia stolonifera*† (Unc) p,n
 **Sedum acre*† (Unc) p,n
 **S. praealtum*† (Unc) p,n
Selleria radicans
 **Silene gallica*
Solanum americanum† (Unc)
 **S. nigrum*
 **S. tuberosum*† (Unc) p,n
Spergularia marginatum (Unc)
 **S. rubra*†
 **Stellaria media*†
 **Suaeda novae-zelandiae*† (historically present, Freegard & Weeber 1986, pg.38
 but not recorded by Freegard & Weeber in their species list)
 **Sisymbrium orientale*
 **Trifolium pratense*
 **T. repens*
 **Urtica dioica* subsp. *dioica*†
 **U. urens*
 **Veronica persica*†
 **V. serpyllifolia*†
 **Verbascum thapsus*†

**Vicia hirsuta* (Freegard & Weeber 1986)

**V. sativa* var. *sativa*

**Vinca major*

Wahlenbergia gracilis† WELT 44794

TOTAL: 366 species and hybrids (141 of these are considered indigenous to Matiu)

DOUBTFUL AND ERRONEOUS RECORDS (3 species)

Record	Probable identity
<i>Elymus rectisetus</i> ¹ (Freegard & Weeber 1986)	<i>E. 'glaucous'</i> (In part)
<i>Myrsine divaricata</i> (Freegard & Weeber 1986)	?
<i>Urtica ferox</i> (Freegard & Weeber 1986)	<i>U. dioica</i> subsp. <i>dioica</i>

¹ True *E. rectisetus* is an uncommon plant on Matiu, confined to a small area of rough pasture on the northern end of the island. It is quite probable then that Freegard & Weeber (1986) confused *E. rectisetus* for *E. "glaucous"* as this is the more common species on the island. For this reason *E. rectisetus* s.s. is treated as a new record for Matiu and *E. "glaucous"* is not.

REFERENCES

- Eagle, A. 1982: *Eagle's trees and shrubs of New Zealand (Second Series)*. William Collins Publishers Ltd., Auckland.
- Freegard, J., Weeber, Y.B. 1986: Vegetation of coast and islands, Wellington Harbour planning area. Wellington Harbour Maritime Planning Authority, Centre for Resource Management, Wellington. 86 pp.