

## Pukenui Beach, Maungawhio Lagoon and wetlands, Mahia Peninsular

### Higher Plant Species (List # 2)

Mike Thorsen

Based on visits 18 September 2002, 26 June 2003, 3 September 2003.

Description of site: A coastal dunefield and wetlands bordered between road, sea and Kopuawhara River. Small stream at northern end. Highly modified by use. High invasion by weeds from surrounding houses and garden rubbish. Dunes stable, rear dunes fenced-off.

#### Gymnosperms

*Pinus maritima* (maritime pine)\*

*Pinus radiata* (pine)\*

#### Monocot trees and shrubs

*Cordyline australis* (cabbage tree)

#### Dicot trees and shrubs

*Coprosma acerosa*

Locally Significant. Helen Jonas specimen, also 2933501E 6226161N

*Coprosma repens* (taupata)

*Euonymus japonicus* (Japanese spindleberry)\*

*Hebe stricta* var. *stricta* (koromiko)

Rare, head of main lagoon.

*Leptospermum scoparium* (manuka)

*Lupinus arboreus* (lupin)\*

*Lycium ferocissimum* (boxthorn)\*

Rare

*Macadamia tetraphylla* (macadamia)\*

ID unconfirmed

*Metrosideros excelsa* (pohutukawa)

*Pimelea* sp. (originally described as *P. arenaria*, plants at this locality seem close to *P. prostrata* var. *erecta*. Differences are: erect shrub to 1m tall on sand dunes, fruit white and to 7mm long, leaves ovate and only moderately quadrifurcately imbricate, glabrous except when young. Branchlets becoming densely hairy with fine white hairs. Leaf bud acute. Petiole margin scarcely hairy, tip hairier, sepal and petal margins scarcely hairy. Specimens of this taxa have been viewed by Colin Ogle who also cannot adequately place it, and as such is given the provisional tag name *Pimelea* aff. *prostrata* "Mahia". Herbarium number = AK 283150.

*Rosmarinus officinalis* (rosemary)\*

First record as wild in NZ? AK 287418

*Ozothamnus leptophylla* (tauhinau)

*Plagianthus divaricatus* (salt marsh ribbonwood)

Locally significant. Common around brackish wetlands

*Salix cinerea* (grey willow)\*

*Ulex europaeus* (gorse)\*

#### Monocot lianes

#### Dicot lianes

*Calystegia soldanella* (shore bindweed)

*Lonicera japonica* (Japanese honeysuckle)\*

*Muehlenbeckia australis* (large-leaved pohuehue)

Rare

*Muehlenbeckia complexa* (pohuehue)

*Rubus fruticosus* agg. (blackberry)\*

#### Composite herbs

*Bellis perennis* (everlasting daisy)\*  
*Conyza alba* (fleabane)\*  
*Cotula coronopifolia* (bachelor's button) Very-large leaved specimens in deep pools  
*Hypochoeris radicata* (catsear)\*  
*Osteospermum jucundum* (purple dimorphotheca)\*  
*Picris echioides* (oxtongue)\*  
*Senecio jacobea* (ragwort)\*  
*Sonchus asper* (prickly sow thistle)\*  
*Sonchus oleraceus*\*

### Dicot herbs

*Acaena agniphilia* var. *aequispina* (Australian sheep's bur)\*  
*Cakile maritima* (sea rocket)\*  
*Carpobrotus edentulis* (ice plant, ID provisional, may be *C. aequilaterus* also)\*  
*Cerastium fontanum* (mouse-ear chickweed)\*  
*Cerastium fontanum* "large" (mouse-eared chickweed)\*  
*Conium maculatum* (hemlock)\*  
*Daucus carota* subsp. *sativus* (carrot)\*  
*Dipsacus sylvestris* (wild teasel)\*  
*Epilobium* sp. (*rotundiflorum*?)  
*Galium* sp. (cf. *perpusillum*, waiting on specimen to flower).  
*Galium aparine* (cleavers)\*  
*Galium perpusillum*  
*Geranium molle* (dove's foot cranesbill)\*  
*Lilaeopsis novae-zelandiae*  
*Linum monogynum*  
*Lythrum hyssopifolia* (hyssop loosestrife)\*  
*Melilotus indicus* (King Island melilot)\*  
*Medicago nigra* (bur medick)\*  
*Mentha pulegium* (pennyroyal)\*  
*Mimulus repens* Nationally sparse. In two locations at site.  
*Myosotis laxa* (water forget-me-not)\*  
*Myriophyllum propinquum*  
*Oenothera stricta* (sand primrose)\*  
*Orobanche minor* (broomrape)\*  
*Oxalis pes-caprae* (Bermuda buttercup)\*  
*Pelargonium Xhortorum* (zonal pelargonium)\*  
*Plantago australis* (swamp plantain)\*  
*Plantago coronopus* (bucks-horn plantain)\*  
*Plantago major* (*broad-leaved plantain*)\*  
*Prunella vulgaris* (selfheal)\*  
*Ranunculus glabrifolius*  
*Ranunculus macropus* Hook. f. (2933008E 6226982N) ID Unconfirmed  
*Ranunculus repens* (creeping buttercup)\*  
*Ranunculus sceleratus* (celery buttercup)\* Includes some very large-leaved (to 13cm broad) specimens  
*Rorippa nasturtium-aquaticum* (watercress)\*  
*Rosa* sp. (rose)\*  
*Rumex acetosella* (sheep's sorrel)\*  
*Rumex conglomeratus* (clustered dock)\*  
*Rumex obtusifolius* (broad-leaved dock)\*  
*Samolus repens* (sea primrose)  
*Sarcocornia quinqueflora* (glasswort)  
*Sherardia arvensis* (field madder)\*  
*Solanum tuberosum* (potato, in dumped garden rubbish)\*  
*Spergula arvensis* (spurrey)\*  
*Trifolium repens* (white clover)\*

*Trifolium subterraneum* (subclover)\*  
*Verbascum thaspis* (woolly mullein)\*  
*Verbena bonariensis* (purple-top)\*  
*Veronica persica* (scrambling speedwell)\*

## Orchids

### Monocot herbs (other than orchids)

*Agapanthus orientalis* (agapanthus)\*  
*Agave americana* (century plant)\*  
*Aloe saponaria* (aloe)\*  
*Freesia refracta* (freesia, in dumped garden material, spreading?)\*  
*Iris* sp.\*  
Large-leaved succulent\* (*Cotyledon orbiculata*?)  
*Phormium cookianum* (whariki)  
*Phormium tenax* (flax) Rare  
*Phormium tenax* var. (flax, planted)\*  
*Typha orientalis* (bulrush)  
*Yucca gloriosa* (yucca)\*  
*Zantedeschia aethiopica* (arum lily)\*

### Grasses

*Agrostis stolonifera* (creeping bent)\*  
*Ammophila arenaria* (marram)\*  
*Bromus willdenowii* (prairie grass)\*  
*Cortaderia* sp. (pampas grass)\*  
*Glyceria fluitans* (floating sweetgrass)\*  
*Hierachloe redolens*  
*Holcus lanatus* (Yorkshire fog)\*  
*Lagurus ovatus* (haretail)\*  
*Lolium perenne* (perennial ryegrass)\*  
*Paprapholis incurva* (sickle grass)\*  
*Pennisetum clandestinum* (kikuyu)\*  
*Schedonorus phoenix* (tall fescue)\*  
*Spinifex sericeus* (spinifex)  
*Sporobolus africanus* (rats tail)\*  
*Stenotaphrum secundatum* (buffalo grass)\*

### Sedges

*Baumea juncea*  
*Bolboschoenus caldwellii*? Rare, locally significant.  
*Carex geminata* "large"  
*Carex pumilo* (sand sedge)  
*Carex secta* (niggerhead)  
*Carex* aff. *testacea* "coast" M & D Fraser pers. comm.  
*Carex virgata*  
*Cyperus ustulatus*  
*Desmoschoenus spiralis* (pingao) (one plant)  
*Isolepis cernua*  
*Isolepis nodosa*  
*Schoenoplectus pungens* (three-square)  
*Schoenoplectus tabernaemontani* (lake clubrush)

### Rushes

*Aphodasmia similis* (oioi, jointed wire rush)  
*Juncus acuminatus* (sharp-fruited rush)\*  
*Juncus articulatus* (jointed rush)\*  
*Juncus bufonius* var. *congestus* (toad rush)\*  
*Juncus conglomeratus*\*

*Juncus planifolius* scattered plants

**Fern allies**

*Azolla pinnata* (ferny azolla)\* Wetlands, Occasional

**Ferns**

*Blechnum minus* (swamp kiokio)

*Cyathea medullaris* (mamaku)

*Pteridium esculentum* (bracken)

*Pteris tremula* (shaking brake fern) Rare, one plant seen.

**130 species**

**83 (63.8%) Exotic**