

VASCULAR PLANTS ON THE WESTERN TARANAKI COASTBETWEEN WAITARA AND HAWERA

A.P. Druce, Botany Division, D.S.I.R., December 1972

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(Based on observations 1964-1973)

March 1978

May 1979

March 1980

June 1980

April 1982

July 1985

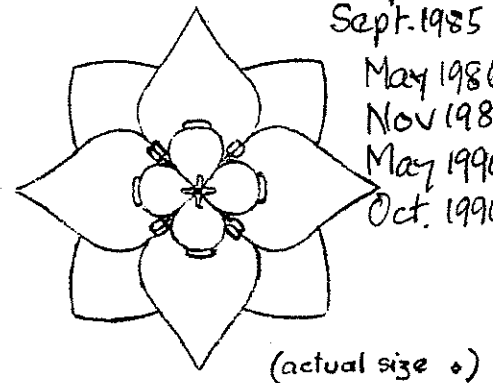
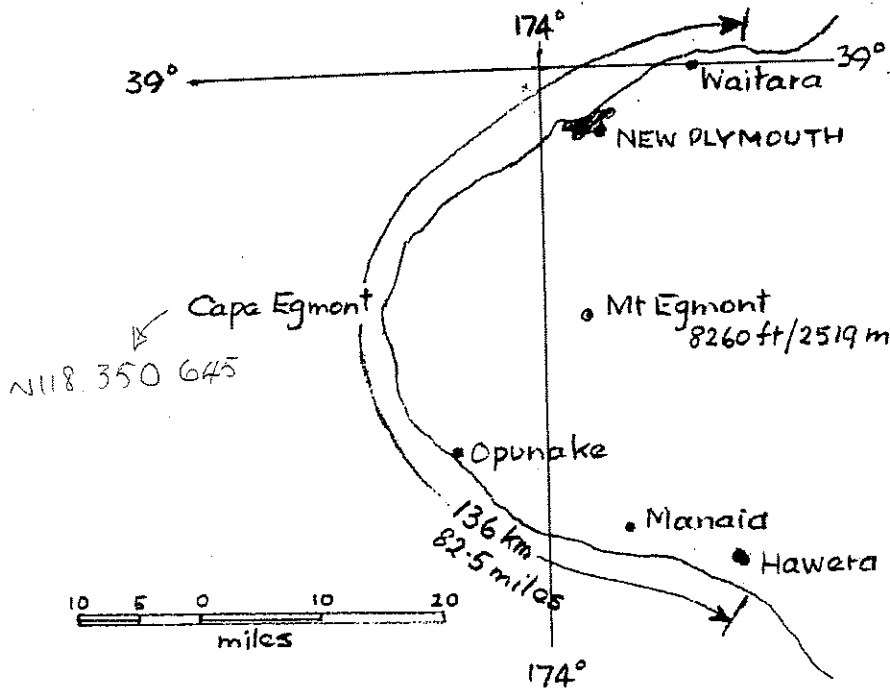
Sept. 1985

May 1986

Nov 1989

May 1990

Oct. 1990

Flower of *Crassula manaiā*Notes on distribution of plants:

- *Limnocella* sp. is known only from the western Taranaki coast
- The western Taranaki coast is the only North Island locality for *Anaphalis tinervis*, *Ranunculus racens* var., *Hebe elliptica* var. *elliptica* and *Oreomyrrhis* sp.
- The following reach their southern limit on the western Taranaki coast: *Vitex lucens*, *Corckia cotoneaster* var., *Juncus usitatus*, *Pittosporum crassifolium* var. *crassifolium*, *Scandia* sp.

# INDIGENOUS PLANTS

2

(u) - uncommon or local

## GYMNOSPERM TREES

*Dactyloctenium aegyptium* (u)  
*Podocarpus totara* s.s. (u)

## MONOCOT TREES

*Cordyline australis* (u)  
*Rhopalostylis sapida* (u)

## DICOT TREES

*Alectryon excelsus* var. *excelsus* (u)  
*Beilschmiedia tawa* (u)  
*Corynocarpus laevigatus*  
*Dodonaea viscosa* var. (u)  
*Dysoxylum spectabile* (u)  
*Entelea arborescens* (u)  
*Fuchsia excorticata* (u)  
*Hedyotis arborea* (u)  
*Hoheria populnea* var. *lanceolata* (u)  
*Knightia excelsa* (u)  
*Laurelia novae-zelandiae* (u)  
*Mactopiper excelsum* var. *excelsum*  
*Melicope tetinata* (u)  
*Melicytus ramiflorus* ssp. *ramiflorus*  
*Metrosideros excelsa* (u)\*  
*Myoporum laetum* var. *laetum* (u)  
*Myrsine australis* (u)  
*Nestegis cunninghamii* (u)  
*Pennantia corymbosa* (u)  
*Pittosporum crassifolium* var. *crassifolium* (u)\*  
*P. tenuifolium* ssp. *tenuifolium* (u)  
*Pseudopanax arboreus* var. *arboreus* (u)  
*P. crassifolius* (u)  
*P. lessonii* s.s. (u)†

\* Recorded by Buchanan in 1867 but most plants appear to have spread from recent introductions.

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*Sophora microphylla* (u)  
*Streblus heterophyllus* (u)  
*Vitex Tocens* (u)  
*Weinmannia racemosa* var. *racemosa* (u)

### DICOT SHRUBS

*Brachyglottis repanda* s.s.  
*Carmichaelia arborea* var. (incl. *C. aligera* and *C. silvatica*) (u)  
*Cassinia leptophylla* var. *leptophylla*  
*Coprosma acerosa* ssp.  
 (green to brown, prostrate shrub)<sup>1</sup>  
*C. areolata* (u)  
*C. grandifolia* (u)  
*C. lucida* s.s. (u)  
*C. repens*  
*C. thamnoides* ssp. *thamnoides* (incl. *C. polymorpha*) (u)  
*C. robusta*  
*C. tenuicaulis* (u)  
*C. acerosa* X *C. repens* (u)  
*Coriaria arborea*  
*Corokia cotoneaster* var. (large-ld coastal var;  
 lvs up to 3 cm long; fls up to 1.5 cm diam.) (u)<sup>2</sup>  
  
*Geniostoma rupestre* var. *ligustrifolium*  
*Griselinia lucida* (u)  
*Hebe elliptica* var. *elliptica* (u)  
*H. stricta* var. *macroura*  
*H. s.* var. *stricta* (u)  
*H. elliptica* X *H. stricta* (u)  
*H. stricta* var. *macroura*  $\Rightarrow$  *H. s.* var. *stricta* (u)  
*Leptospermum scoparium* var. (u)  
*Leucopogon fasciculatus* (u)<sup>3</sup>  
*L. fraseri* s.s. (u)  
*Olearia solandri* (u)  
*O. townsonii* (incl. *O. furfuracea* var.  
*rubicunda* and *O. thomsonii*) (u)

- Pimalea arenaria* (u)
- P. ptvilleana* (incl. *P. prostrata*  
var. *quadrifaria*)
- Pittosporum cornifolium* (u)
- Plagianthus divaricatus* (u)
- Rhabdolanthus solandri* (u)
- Solanum aviculare* var. *aviculare* (u)
- S. laciniatum* (u)

### MONOCOT LIANES

- Freycinetia baueriana* ssp. *banksii* (u)
- Ripogonum scandens* (u)

### DICOT LIANES AND RELATED TRAILING PLANTS

- Calystegia sepium* ssp. (lvs much longer than broad;  
bracteoles scarlatly inflated; corolla pink  
with white bands)
- C. tuguriorum* (u)
- Clematis forsteri* (u)
- Metrosideros fulgens* (u)
- M. perforata* (u)
- Muehlenbeckia australis* (u)
- M. axillaris* (u)
- M. complexa*
- M. australis* x *M. complexa* (u)
- M. axillaris* x *M. complexa* (?) (u)
- Parsonsia heterophylla* (u) 4
- Passiflora tetrandra* (u)
- Rubus cissoides* var. *cissoides* (u)
- Tetragenia trigyna*

### FERNS

- Adiantum aethiopicum* (u)
- A. cunninghamii*
- Arthropteris tenuella* (u)
- Asplenium bulbiferum*
- A. flaccidum*
- A. hookerianum* (u)
- A. lyallii* (u)
- A. oblongifolium*
- A. polyodon* (u)

*A. terrestre* ssp. *maritimum*

*A. lyallii* X *A. terrestre* (u)

*A. oblongifolium* X *A. terrestre* (u)

*Azolla filiculoides* (u)

*Blechnum banksii* (incl. *B. durum*)

*B. chambersii* (u)

*B. filiforme* (u)

*B. membranaceum* (u)

*B. minus* (u)

*B. pennamariana* (u)

*B. sp. (i)* (unnamed) (common lowland sp.:

lower pinnae reduced in length)

*B. sp. (ii)* (unnamed) (cliff sp.;

lower pinnae not reduced) ("The Green Bay Species" of Crookes 1963)

*B. chambersii* X *B. membranaceum* (u)

*B. sp. (i)* X *B. sp. (ii)* (u)

*Cyathea dealbata* (u)

*C. medullaris* (u)

*Dicksonia squarrosa* (u)

*Diplazium australe* (u)

*Doodia media* ssp. *australis* (u)

*Histiopteris incisa* (u)

*Hymenophyllum flexuosum* (u)

*Hypolepis ambigua* (u)

*Lastreopsis glabella* (u)

*L. hispida* (u)

*Ophioglossum coriaceum* agg. (u) 4a

*Paesia scaberula* (u)

*Phymatosorus diversifolius* (u)

*P. scandens* (u)

- Pneumatopteris pennigera* (u)
- Polystichum richardii*
- Pteridium esculentum*
- Pteris macilenta* (u)
- P. pendula* (u)
- P. tremula* (u)
- Pyrrhosia eleagnifolia* (u)
- Rumohra adiantiformis* (u)
  
- Tichomanes venosum* (u)

**ORCHIDS**

- Corybas tivularis* s.s. (u)
- Drymoanthus adversus* (u)
- Earina mucronata* agg. (u)
- Microtis unifolia* (u)
- Pterostylis banksii*
- Thelymitra longifolia*

**GRASSES**

- Agrostis muscosa*
- Amphibromus fluitans* (u)
- Austrofestuca littoralis* (u)
  
- Cortaderia fulvida*
- C. toetoe*
- Deyeuxia billardierei*
- Dichelachne ciliata* (u)
  
- Elymus multiflorus* (u)
- E. sp.* (aff. *E. tectisetus*) ("Group Wellington I" of Connor 1954)
- Isachne globosa* (u)

*Lachnagrostis filiformis* s.s. (v)

L. sp. (unnamed; included in *L. filiformis*, as var. *littoralis*, by Zotov 1965)

*Microlaena avenacea* (v)

*M. stipoides* (v)

*Poa anceps* ssp. *anceps*

*P. pusilla*

*Rytidosperma clavatum* (v)

*R. gracile* (v)

*R. unarede* (v)

*Spinifex sericeus*

*Trisetum antarcticum* s.s. (incl. *T. saxatile*) (v)

*Zoysia minima*

### SEDGES

*Baumea rubiginosa* (v)

*B. tenax* (v)

*Bolboschoenus medianus* (v)

*Carex breviculmis* (v)

*C. dipsacea* var. *dipsacea* (v)

*C. dissita* s.s. (v)

*C. flagellifera* (coastal form; see Edgar 1970, p. 265)

*C. forsteri* (v)

*C. lessoniana* (v)

*C. maorica* (v)

*C. pumila* (v)

*C. raoulii*

*C. secta* s.s.

*C. solandri* (v)

*C. spinirostris* (v)

*C. virgata*

*C. sp.* (unnamed; aff. *C. geminata*) (much

larger than *C. geminata*; lvs up to

2.5 cm wide)

*Cyperus ustulatus*

*Desmoschoenus spiralis* (u)

*Eleocharis acuta*

*E. gracilis* (u)

*E. pusilla* (u)

*E. spaciolata* (u)

*Machaerina sinclairii* (u)

*Schoenus maschalinus* (u)

*Schoenoplectus validus* (u)

*Isolepis cernua*

*I. distigmatica* (u)

*I. inundata* (u)

*I. nodosa*

*I. reticulata* (u)

*Uncinia uncinata* (u)

## RUSHES

*Juncus australis*

*J. caespiticius*

*J. gregiflorus* (u)

*J. maritimus* var. *australiensis* (u)

*J. pallidus*

*J. pauciflorus* (u)

*J. planifolius*

*J. prismatocarpus* (u)

*J. sarophorus* (u)

*J. usitatus* (u)

*Leptocarpus similis*



*Luzula banksiana* s.s.

*L. picta* s.s. (u)

*L. banksiana* s.s. X *L. picta* s.s. (u)

### MONOCOT HERBS (OTHER THAN ORCHIDS)

#### GRASSES, SEDGES, RUSHES

*Arthropodium citratum* (u)

*Astelia fragrans* (u)

*A. solandri* (u)

*Collospermum hastatum* (u)

*Dianella nigra* (u)

*Lemna* sp. (*L. minor* auct.)

*Libertia ixioides* (u)

*Phormium tenax*

*Potamogeton cheesemanii* (u)

*Ruppia polycarpa* (u)

*Sparganium subglobosum* (u)

*Triglochin striata*

*Typha orientalis*

*Wolffia australiana* (u)

### COMPOSITE HERBS

*Anaphalis keriensis* s.s. (u)

*A. trinervis*

*Centipeda* sp. (*C. minima?*) (u)

*Cotula australis* (u)

*C. coronopifolia*

*Craspedia minor* var. (coastal var. with sub-

fleshy lvs; glomerules sessile or nearly so

at flowering stage; fls minute, up to

1.4 mm diam.)<sup>5</sup>

*Gnaphalium audax*

*G. involucreatum* (u)

*G. limosum* s.s. (u)

*G. polylopis* (u)

*Pseudognaphalium* sp. (i) (*P. luteoalbum* agg.)  
(lvs mostly linear-spathulate to linear, acute) (u)

*P.* sp. (ii) (*P. luteoalbum* agg.) (lvs mostly  
oblong-spathulate to narrowly oblong,  
rounded)

*Lagenifera pumila*

*Leptinella dispersa* ssp. *rupestris* (u)

*L. squalida* s.s.

*Senecio glomeratus* (u)

*S. lautus* ssp. *lautus*

*S. minimus* (u)

*Sonchus kirkii*

DICOT HERBS (OTHER THAN COMPOSITES)

*Acaena anserinifolia* (u)

*Apium prostratum* ssp.

*Callitriche petriei* ssp. *petriei* (u)

*Calystegia soldanella*

*C. sepium* x *C. soldanella* (u)

*Cardamine* sp. (*C. debilis* agg.) ("Glossy  
Leaf" of Pritchard 1957) (u)

*Centella uniflora*

*Colobanthus muelleri*

*Eriadnia allanii* (u)

*E. triandra* (u)

*Crassula manaia*

*C. mataikona* (u)

*C. pedunculata* (u)

*C. sidonetiana* (u)

*Dichondra repens* var.

*D. sp. (i)* (cf. *D. brevifolia*) (u)

*D. sp. (ii)* (unnamed) (u)

*D. brevifolia* X *D. repens* (?) (u)

*Disphyma australe* ssp. *australe*

*Elatine gratioloides* (u)

*Epilobium alsinoides* s.s. (u)

*E. billardiereanum* s.s. (u)

*E. insulare* (u)

*E. komarovianum*

*E. netteroides* (u)

*E. nummulariifolium* (u)

*E. pallidiflorum* (u)

*E. rotundifolium* (u)

*Euphorbia glauca*

*Glossostigma elatinoides* (u)

*Gratiola sexdentata* (u)

*Gunnera dentata* var. (*G. arenaria*)<sup>6</sup>

*G. monoica* (u)<sup>7</sup>

*Haloragis erecta* ssp. *erecta*

*Hydrocotyle hydrophila* (u)

*H. microphylla* (u)

*H. moschata* (u)

*H. novae-zealandiae* s.s. (u)

*H. pterocarpa* (u)

*Lepidium oleraceum* var. (u)

*Lilaeopsis novae-zealandiae*

*L. ruthiana* (u)

*Limosella lineata* (lvs linear or linear-spathulate; fls subsessile to distinctly pedunculate; calyx = or > corolla tube; capsule ovoid-globose, > 2 mm long) (u)

*L. sp.* (unnamed) (lvs narrowly oblong-spathulate, shorter than those of *L. lineata*; fls sessile or subsessile; peduncles elongating slightly in fr; calyx = or < corolla tube; capsule globose, < 2 mm long) (u)

*Linum monogynum*

*Lobelia auceps*

*Mentha cunninghamii*

*Montia fontana* s.s.

*Myosotis pygmaea* s.s. (u)

*M. sp.* (unnamed; included in *M. pygmaea*, as var. *minutiflora*, by Simpson and Thomson, 1943) (u)

*Myriophyllum propinquum* (u)

*M. triphyllum* (u)

*M. vetschii* (u)

*Nertera ciliata* (u)

*N. setulosa* (u)

*Orzomyrthis* sp. (unnamed) (umbels sessile  
at flowering stage; fls minute, c. 1 mm  
diam.) (discussed by Mathias and Con-  
stance, 1955, p. 376) (u)

*Oxalis exilis*

*O. rubens*

*Parahebe diffusa* ssp. (*P. catarractae* ssp. *lanceolata*)

*Peperomia urvilleana* (u)

*Plantago masoniae* <sup>8</sup>

*P. raoulii* var. (lvs broadly elliptic)

*Polygonum salicifolium* agg. (u)

*Potentilla anserinoides* (u)

*Pratia angulata* agg. (u)

*P. perpusilla* (u)

*Ranunculus acaulis*

*R. amphitrichus* (u)

*R. limosella* (u)

*R. reflexus* (u)

*R. recens* var. (coastal var. with green lvs  
and petalous fls) (u)

*R. sp.* (unnamed; aff. *R. macropus*) (u)

*Rorippa palustris* (u)

*Samolus repens* var. *repens*

*Sarcocornia quinqueflora*

*Scandia* sp. (*S. rosifolia* agg.) (leaflets ovate) (u)

*Scleranthus biflorus* (u)

*Sellieta radicans* agg.

*Spergularia media*

*Stellaria decipiens* (incl. *S. parviflora*)

*Tetragonia tetragonioides* (u)

*Wahlenbergia gracilis* ss.

ADDITIONAL NOTES ON PARTICULAR PLANTS

1. Comrosma acerosa. A plant from the western Taranaki coast grown at Taita remained prostrate, with almost straight branches, in contrast to one from the Manawatu dunes which formed a shrub with interlacing branches ascending to 0.5 m.
2. Corokia cotoneaster var. One abnormal plant on Paritutu had leaves almost twice the size of nearby plants.
3. Leucopogon fasciculatus. Coastal plants are suberect with lvs narrowly elliptic-oblong and mostly >2.5mm wide. A plant from Paritutu retained the suberect habit and wider leaves when grown at Taita.
4. Patsonia heterophylla. In contrast to those seen inland the few plants seen near the western Taranaki coast have had almost orbicular leaf blades.
5. Craspedia minor var. The leaves remained subfleshy on plants in cultivation at Taita. The scapes, however, increased in length; they began to elongate before the plants were in flower and by the fruiting stage had elongated to about half the length of those in C.m. var. minor (of local origin) grown nearby.
- 4a. Ophioglossum coriaceum. Plants of coastal herbfield are usually not more than 1cm tall.

var(G. arnata).

6. Gunnera dentata A number of plants were grown from both mountain and coastal sites. There was much variation in leaf shape, size and tothing, but the only consistent difference between coastal plants and inland plants was in leaf thickness. Such a difference in leaf thickness between a coastal and an inland variety is also seen in Craspedia minor.

7. Gunnera monoica. The leaves of a plant of this species from the western Taranaki coast remained subfleshy in cultivation over a period of many years. All plants seen in fruit have had red drupes.

8. Plantago masoniae. Plants consistently remained distinct from P. triandra s.s. when grown side by side at Taita. The leaves of P. masoniae were thicker and wider than those of P. triandra and were less conspicuously toothed.

DOUBTFUL AND ERRONEOUS RECORDS NOT INCLUDED IN MAIN LIST

Record	Probable identity of plant on which record based
<u>Asplenium scleroptum</u> (Crookes 1963, as <u>A. aucklandicum</u> )	<u>Asplenium oblongifolium</u> X <u>A. terrestre</u> ssp. <u>matitimum</u>
<u>Astelia banksii</u> (Buchanan 1869)	<u>Astelia solandri</u>
<u>Cassinia leptophylla</u> var. ( <u>C. vauvilliersii</u> ) (Buchanan 1869, as <u>C. vauvilliersii</u> )	
<u>Coprosma propinqua</u> X <u>C. repens</u> (?) (Cockayne 1928 as <u>C. p.</u> X <u>C. tetusa</u> ?)	<u>Coprosma acerosa</u> X <u>C. repens</u> ?
<u>Discaria toumatou</u> (Buchanan 1869)	
<u>Hebe elliptica</u> var. <u>crassifolia</u> (Moore 1961)	<u>Hebe elliptica</u> var. <u>elliptica</u>
<u>Myosotis petiolata</u> (Buchanan 1869, as <u>Exarrhena petiolata</u> )	
<u>Olearia paniculata</u> (Buchanan 1869, as <u>O. forsteri</u> )	

## ADVENTIVE PLANTS

(u) - uncommon or local

### DICOT TREES AND SHRUBS

*Albizia lophantha* (u)

*Chrysanthemodes monilifera* (u)

*Hydrangea macrophylla* (u)

*Lupinus arboreus*

*Lycium feracissimum*

*Phytolacca octandra*

*Rubus fruticosus* agg.

*Salix fragilis* (u)

*Sambucus nigra* (u)

*Ulex europaeus*

### DICOT LIANES

*Calystegia silvatica* (u)

*Hedera helix* ssp. *helix* (u)

*Lonicera japonica* (u)

*Rumex sagittatus* (u)

*Salpichroa origanifolia* (u)

*Senecio angulatus* (u)

*S. mikanooides* (u)

### LYCOPODS

*Selaginella kraussiana* (u)

### GRASSES

*Agrostis stolonifera*

*Aira caryophyllea*

*Ammophila arenaria*

*Anthoxanthum odoratum*

*Bhiza minor* (u)

*Bromus diandrus*

*B. hordeaceus*

*B. willdenowii*

*Cynosurus cristatus* (u)

*Dactylis glomerata*



*Digitaria sanguinalis*

*Echinochloa crus-gallii* (v)

*Eleusine indica* (v)

*Elythigia repens* ← *Ehrharta erecta*

*Festuca arundinacea* s.l.

*F. nigrescens* (v)

*Glyceria declinata*

*G. maxima* (v)

*Holcus lanatus*

*Hordeum murinum*

*Lagurus ovatus*

*Lolium perenne*

*Paspalum dilatatum*

*P. distichom*

*Pennisetum clandestinum*

*Poa annua*

*P. pratensis*

*Pseudosasa japonica* (v)

*Sporobolus africanus*

*Stenotaphrum secundatum* (v)

*Vulpia bromoides* (v)

**SEDGES**

*Carex demissa* (v)

*Isolepis marginata* (v)

*I. sepulcralis* (v)

**RUSHES**

*Juncus articulatus*

*J. bufonius*

*J. effusus*

*J. tenuis* (v)

MONOCOT HERBS (OTHER THAN

GRASSES, SEDGES, RUSHES)

- Allium triquetrum (u)
- Allium italicum (u)
- Crocodylia X crocosmiflora (u)
- Freesia refracta (u)
- Ottelia ovalifolia (u)
- Potamogeton crispus (u)
- Scilla non-scripta (u)
- Tradescantia fluminensis (u)
- Zantedeschia aethiopica (u)
- Spirodela punctata (u)

COMPOSITE HERBS

- Anthemis cotula (u)
- Arctotheca calendula (u)
- Bellis perennis (u)
- Bidens frondosa (u)
- Carduus tenuiflorus (u)
- Cirsium arvense
- C. vulgare
- Coryza sp.
- Crepis capillaris
- Gazania X splendens
- Gnaphalium coarctatum
- Hypochoeris radicata
- Leontodon taraxacoides
- Leucanthemum vulgare (u)
- Matricaria matricarioides (u)
- Picris echioides (u)
- Senecio bipinnatisectus (u)
- S. jacobaea
- Silybum marianum (u)
- Soliva sessilis (u)

*Sonchus asper*

*S. oleraceus*

*Taraxacum officinale* s.l.

**DICOT HERBS (OTHER THAN COMPOSITES)**

*Acaena novae-zealandiae*

*Acanthus mollis* (u)

*Amaranthus powellii*

*Anagallis arvensis*

*Aphanes microcarpa* (u)

*Atriplex prostrata*

*Brassica* sp. (u)

*Callitriche stagnalis*

*Capsella bursa-pastoris* (u)

*Cardamine flexuosa* (u)

*Carpobrotus edulis* (u)

*C. e. x Disphyma australe* (u)

*Carastium fontanum* ssp. *vulgare*

*C. glomeratum*

*Chenopodium album* (u)

*C. murale* (u)

*C. pumilio* (u)

*Conium maculatum* (u)

*Cotonopus didymus*

*Crassula decumbens* (u)

*Daucus carota* (u)

*Digitalis purpurea* (u)

*Dorotheanthus bellidiformis* (u)

*Epilobium ciliatum* (u)

*Erodium moschatum*

*Euphorbia peplus*

*Fragaria vesca* (u)

*Fumaria muralis*

*Galium aparine* (u)

*G. palustre* ssp. *palustre* (u)

*Geranium molle*

*G. robertianum* (u)

- Gunnera tinctoria
- Lavatera arborea
- Linum bienne (u)
- Lobularia maritima (u)
- Lotus pedunculatus
- L. suaveolens
- Ludwigia palustris (u)
- Lythrum hyssopifolia (u)
- Malva neglecta (u)
- M. nicaeensis (u)
- M. parviflora (u)
- Matthiola incana (u)
- Medicago arabica (u)
- M. polymorpha (u)
- Mentha pulegium (u)
- M. rotundifolia (u)
- M. spicata (u)
- M. s. x M. sp. (u)
- Mimulus guttatus (u)
- M. moschatus (u)
- Modiola caroliniana (u)
- Myosotis laxa ssp. caespitosa
- Myriophyllum aquaticum (Orchard 1979)
- Oenothera stricta (u)
- Orobanche minor
- Oxalis articulata (u)
- O. sp. (u)
- Parentucellia viscosa (u)
- Physalis peruviana (u)
- Plantago australis (u)
- P. coronopus
- P. lanceolata
- P. major

Polycarpon tetraphyllum

Polygonum arenastrum (u)

P. hydropiper (u)

P. persicaria (u)

Portulaca oleracea (u)

Ranunculus flammula (u)

R. repens

R. sceleratus (u)

R. trichophyllus (u)

Raphanus raphanistrum (u)

Rorippa microphylla

Rumex acetosella

R. conglomeratus (u)

R. crispus

R. obtusifolius

R. pulcher

Sagina apetala (u)

S. procumbens

Silene gallica

Sisymbrium officinale (u)

Solanum nigrum

Stachys arvensis (u)

S. sylvatica (u)

Stellaria alsiniae (u)

S. media (u)

Symphytum sp. (u)

Trifolium arvense (u)

T. dubium

T. pratense

T. repens

T. subterraneum (u)

Tropaeolum majus (u)

*Veronica arvensis* (u)

*V. persica*

*V. serpyllifolia*

*Vicia* sp. (u)

*Vinca major* (u)

*Wahlenbergia marginata*

PLANTS COMMONLY REGARDED AS INDIGENOUS, AND PRESENT ON THE WESTERN  
TARANAKI COAST, THAT MAY BE ADVENTIVE

*Centipeda* sp.

*Juncus pauciflorus*

*Senecio glomeratus*

*Wolffia australiana*

No. of indigenous spp. : 303.

No. of adventive spp. : 190.

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