

## WAITAKERE ADVENTIVE PROJECT - PART 3

J. Mackinder

Voucher specimens for adventive plants from the Waitakere Range, which have been deposited with the Herbarium of the Auckland Institute and Museum (AK), are listed with their herbarium numbers. Parts 1 and 2 were published in Newsletters for July 1982 and January 1985.

## FERNS

*Nephrolepis cordifolia* 169237      *Salvinia molesta* 168202

## GRASSES

*Agrostis capillaris* 169178      *Holcus lanatus* 169240  
*A. stolonifera* 169194      *Lagurus ovatus* 169242  
*Ammophila arenaria* 169241      *Lolium perenne* 169253  
*Arundo donax* 169197      *Parapholis strigosa* 169243  
*Cortaderia jubata* 169202      *Paspalum dilatatum* 169188  
*Cynodon dactylon* 169245      *P. distichum* 169247  
*Briza maxima* 168196      *P. urvillei* 169190  
*Bromus breviaristatus* 169251      *Pennisetum macrourum* 169213  
*B. willdenowii* 169252      *Rytidosperma racemosum* 169244  
*Festuca arundinacea* 169206      *Sieglingia decumbens* 169184  
*F. rubra* 169246

## SEDGES &amp; RUSHES

*Cyperus congestus* 169271      *J. microcephalus* 169258  
*C. eragrostis* 169272      *J. tenuis* 169267  
*Juncus articulatus* 169226      *Scirpus chlorostachyus* 169263  
*J. effusus* 169268

## MONOCOT HERBS

*Agapanthus orientalis* 169248      *Hedychium gardnerianum* 169233  
*Canna indica* 169235      *Sisyrinchium* "blue" 169236  
*Colocasia esculentum* 168206      *Tritonia crocata* 168198  
*Fressia refracta* 168195      *Watsonia aletroides* 168197  
*Gladiolus natalensis* 169249-50      *W. bulbilifera* 168189-90

## DICOT HERBS

*Callitriche stagnalis* 173862      *P. major* 173864  
*Cerastrium glomeratum* 173839      *Polygonum capitatum* 168188  
*Daucus carota* 173851      *Rumex acetosella* 173867  
*Euphorbia peplus* 173872      *Solanum tuberosum* 173863  
*Ipomoea indica* 173843      *Stellaria media* 173859  
*Lepidium bonariense* 168194      *Trifolium repens* 173860  
*L. pseudotasmanicum* 168211      *Tropaeolum majus* 173873  
*Lotus angustissimus* 173861      *Vinca major* 173876  
*Plantago australis* 173865

## DAISIES

Arctotheca calendula 173858	Leontodon taraxacoides 168205
Bidens frondosa 173868	Picris echioides 173855
Cirsium vulgare 173853	Senecio bipinnatisectus 173877
Cotula australis 168201	S. mikanioides 168191
Eupatorium sordidum 168207-8	S. skirrhodon 173871
Gnaphalium subfalcatum 173107	Soliva sessilis 173857
Hypochaeris glabra 168209	

## TREES &amp; SHRUBS

Albizia lophantha 168203-4	Lupinus arboreus 173838
Cotoneaster glaucophyllus f. serotina 173841	Polygala myrtifolia 173850
Clematis vitalba 173874	Quercus robur 173844
Hedera helix 173875	Rubus fruticosus 173840
Ligustrum ovalifolium 173842	Solanum mauritianum 173837
	Vitis vinifera 173869-70

## ON THE MAINTENANCE OF A WAITAKERE STREAM

J. Mackinder

It can hardly have escaped anyone's notice that the weed Eupatorium riparium (mist flower) has invaded many Waitakere streams, in some cases, e.g. Whatipu, Karamatura and Parekura Streams, almost annihilating all other vegetation on the stream banks. Could it be that, if this invasion is allowed to continue unchecked, one day all the banks of Waitakere streams will completely smothered by mist flower, with Selaginella kraussiana the only plant growing underneath it? Should a stream be kept in a weed free state as a reference for what the Waitakeres were once like?

Some suggestions are offered here for maintaining a stream in weed free condition. First select a stream that is sufficiently wide and shallow to be easily walked and that is not already so infested with mist flower to be impossible to clear. Then make an inventory of the plants that occur on the banks, on rocks in the stream and on overhanging trees. From time to time, perhaps once a year, note any changes and remove all weeds.

The Cascade Stream above the waterfall seems a good choice. From the Cascade Loop Track at Q11:458778, where the Dawsonia superba grows, one can easily drop down onto the stream bed and walk upstream for an hour (several hours at botanist speed), until the forest canopy opens out to a thin tea-tree cover.