

	Higher plant Species List	
<b>List number</b>		<b>28</b>
<b>Location</b>	<b>Mangatoro Scenic Reserve, Dannevirke</b>	
<b>Grid reference</b>	U24 836 991	
<b>Date of visit(s)</b>		9-Feb-03
<b>Author(s)</b>	Mike Thorsen	
<b>Description of site</b>	Alluvial flat beside Mangamaire Stream with mixed podocarp/hardwood forest. Area is fenced on roadside, but not on streamside and area is invaded by sheep.	
<b>Number of indigenous species</b>		159
<b>Number of exotic species</b>		55
<b>Total number of species</b>		<b>214</b>
<b>Percentage exotic species</b>	25.7	

<b>Gymnosperms</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Dacrycarpus dacrydioides</i> (kahikatea)	Podocarpaceae	Not threatened	Common	
<i>Dacrydium cupressinum</i> (rimu)	Podocarpaceae	Not threatened	Occasional	
<i>Podocarpus totara</i> (totara)	Podocarpaceae	Not threatened	Common	
<i>Prumnopitys spicatum</i> (matai)	Podocarpaceae	Not threatened	Common	
<i>Stachypitys ferruginea</i> (miro)	Podocarpaceae	Not threatened	Rare	

<b>Dicot trees, shrubs and lianes</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Alectryon excelsa</i> (titoki)	Sapindaceae	Not threatened	Common	
<i>Aristotelia serrata</i> (wineberry)	Elaeocarpaceae	Not threatened	Occasional	
<i>Beilschmiedia tawa</i> (tawa)	Lauraceae	Not threatened	Common	
<i>Brachyglottis repanda</i> (rangiora)	Asteraceae	Not threatened	Common	
<i>Calystegia tuguriorum</i>	Convolvulaceae	Not threatened	Common	
<i>Carmichaelia arborea</i> (native broom)	Fabaceae	Not threatened	Common	
<i>Carpodetus serrata</i> (putaputaweta)	Escalloniaceae	Not threatened	Occasional	
<i>Clematis forsteri</i>	Ranunculaceae	Not threatened	Occasional	
<i>Clematis vitalba</i> (old-man's beard)*	Ranunculaceae	Exotic	Local	
<i>Convolvulus arvensis</i> (field bindweed)*	Convolvulaceae	Exotic	Rare	
<i>Coprosma crassifolia</i>	Rubiaceae	Not threatened	Occasional	
<i>Coprosma grandifolia</i> (karamu)	Rubiaceae	Not threatened	Occasional	
<i>Coprosma lucida</i>	Rubiaceae	Not threatened	Rare	
<i>Coprosma rhamnoides</i>	Rubiaceae	Not threatened	Common	
<i>Coprosma rigida</i>	Rubiaceae	Not threatened	Common	
<i>Coprosma robusta</i>	Rubiaceae	Not threatened	Occasional	
<i>Coprosma rotundifolia</i>	Rubiaceae	Not threatened	Occasional	
<i>Coprosma virescens</i>	Rubiaceae	Loc significant	Rare	
<i>Coriaria arborea</i> (tutu)	Coriaceae	Not threatened	Occasional	
<i>Corynocarpus laevigatus</i> (karaka)	Corynocarpaceae	Not threatened	Druce (143)	Seedlings only seen
<i>Dracophyllum strictum</i>	Epacridaceae	Not threatened	Local	Provisional ID, seedlings only
<i>Elaeocarpus dentatus</i> (hinau)	Elaeocarpaceae	Not threatened	Occasional	
<i>Elaeocarpus hookeriana</i> (pokaka)	Elaeocarpaceae	Not threatened	Occasional	
<i>Fuchsia excorticata</i> (tree fuchsia)	Onagraceae	Not threatened	Druce (143)	
<i>Fuchsia perscandens</i>	Onagraceae	Loc significant	Local	
<i>Gaultheria antipoda</i> (snowberry)	Ericaceae	Not threatened	Druce (143)	
<i>Geniostoma ligustrifolium</i> var. <i>ligustrifolium</i> (hangehange)	Loganiaceae	Not threatened	Common	
<i>Hebe stricta</i> var. (koromiko)	Scrophulariaceae	Not threatened	Occasional	
<i>Hedycarya arborea</i> (pigeonwood)	Monimiaceae	Not threatened	Common	
<i>Helichrysum aggregatum</i> var. <i>aggregatum</i> (niniiao)	Asteraceae	Not threatened	Local	
<i>Hoheria populnea</i> var. "sexstylosa" (lacebark)	Malvaceae	Not threatened	Common	
<i>Kunzea ericoides</i> s.l. (kanuka)	Myrtaceae	Not threatened	Common	
<i>Leucopogon fascicularis</i> var. "southern" (mingimingi)	Epacridaceae	Not threatened	Occasional	
<i>Leucopogon fraseri</i> agg.	Epacridaceae	Not threatened	Rare	
<i>Lophomyrtus bullata</i>	Myrtaceae	Not threatened	Druce (143)	

<i>Lophomyrtus obcordata</i>	Myrtaceae	Not threatened	Druce (143)	
<i>Lophomyrtus bullata</i> X <i>L. obcordata</i>	Myrtaceae	Not threatened	Druce (143)	
<i>Melicope simplex</i>	Rutaceae	Not threatened	Common	
<i>Melicytus micranthus</i> (small-leaved mahoe)	Violaceae	Not threatened	Common	
<i>Melicytus ramiflorus</i> (mahoe)	Violaceae	Not threatened	Occasional	
<i>Metrosideros colensoi</i> (climbing rata)	Myrtaceae	Not threatened	Common	
<i>Muehlenbeckia australis</i> (large-leaved pohuehue)	Polygonaceae	Not threatened	Common	
<i>Myrsine australis</i> (red matipo)	Myrsinaceae	Not threatened	Common	
<i>Myrsine divaricata</i>	Myrsinaceae	Not threatened	Local	
<i>Myrsine salicina</i> (toru)	Myrsinaceae	Not threatened	Rare	
<i>Neomyrtus pedunculata</i> (rohutu)	Myrtaceae	Not threatened	Occasional	
<i>Nestegis cunninghamii</i> (white maire)	Oleaceae	Not threatened	Occasional	
<i>Nestegis lanceolata</i> (narrow-leaved maire)	Oleaceae	Not threatened	Druce (143)	
<i>Olearia virgata</i> var. <i>virgata</i>	Asteraceae	Not threatened	Local	
<i>Parsonsia capsularis</i> (native jasmine)	Apocynaceae	Not threatened	Occasional	
<i>Parsonsia heterophylla</i> (native jasmine)	Apocynaceae	Not threatened	Common	
<i>Parsonsia capsularis</i> X <i>C. heterophylla</i>	Apocynaceae	Not threatened	Druce (143)	
<i>Passiflora tetrandra</i> (native passionfruit)	Passifloraceae	Not threatened	Rare	
<i>Pennantia corymbosa</i> (kaikomako)	Icacinaceae	Not threatened	Occasional	
<i>Pittosporum eugenioides</i> (lemonwood)	Pittosporaceae	Not threatened	Rare	
<i>Pittosporum tenuifolium</i> subsp. <i>tenuifolium</i> (kohuhu)	Pittosporaceae	Not threatened	Occasional	
<i>Prunus</i> X <i>domestica</i> (plum)*	Rosaceae	Exotic	Rare	
<i>Pseudopanax arboreus</i> (five-finger)	Araliaceae	Not threatened	Common	
<i>Pseudopanax crassifolius</i> (lancewood)	Araliaceae	Not threatened	Common	
<i>Pseudowintera</i> sp.	Winteraceae	Not threatened	Druce (143)	Seedlings only seen
<i>Raukaua anomalus</i>	Araliaceae	Not threatened	Common	
<i>Rubus australis</i> (bush lawyer)	Rubiaceae	Not threatened	Occasional	
<i>Rubus cissooides</i> (bush lawyer)	Rubiaceae	Not threatened	Rare	
<i>Rubus schmidelioides</i> (bush lawyer)	Rubiaceae	Not threatened	Occasional	
<i>Salix fragilis</i> (crack willow)*	Salicaceae	Exotic	Local	
<i>Schefflera digitata</i> (pate)	Araliaceae	Not threatened	Common	
<i>Sophora tetraptera</i> (kowhai)	Fabaceae	Not threatened	Occasional	
<i>Streblus microphylla</i> (small-leaved milk tree)	Moraceae	Not threatened	Occasional	
<i>Urtica ferox</i> (bush nettle)	Urticaceae	Not threatened	Common	

Dicot herbs (inc. Composit)	Family	Threat ranking	Abundance at site	
<i>Acaena anserinifolia</i> (bidibid)	Rosaceae	Not threatened	Common	
<i>Achillea millefolium</i> (yarrow)*	Asteraceae	Exotic	Common	

<i>Anaphalis keriensis</i>	Asteraceae	Not threatened	Local	
<i>Anaphalis subrigida</i>	Asteraceae	Not threatened	Rare	
<i>Australina pusillum</i>	Urticaceae	Loc significant	Druce (143)	
<i>Bellis perennis</i> (everlasting daisy)*	Asteraceae	Exotic	Occasional	
<i>Cardamine debilis</i> agg.	Brassicaceae	Not threatened	Common	
<i>Cardamine debilis</i> "narrow petal"	Brassicaceae	Not threatened	Druce (143)	
<i>Cerastium glomeratum</i> (annual chickweed)*	Caryophyllaceae	Exotic	Rare	
<i>Cichorium intybus</i> (chicory)*	Asteraceae	Exotic	Rare	
<i>Cirsium arvense</i> (Californian thistle)*	Asteraceae	Exotic	Occasional	
<i>Cirsium vulgare</i> (Scotch thistle)*	Asteraceae	Exotic	Occasional	
<i>Conium maculatum</i> (hemlock)*	Apiaceae	Exotic	Rare	
<i>Conyza alba</i> (fleabane)*	Asteraceae	Exotic	Occasional	
<i>Digitalis purpurea</i> (foxglove)*	Scrophulariaceae	Exotic	Rare	
<i>Epilobium nummulariifolium</i>	Onagraceae	Not threatened	Druce (143)	
<i>Epilobium rotundifolium</i>	Onagraceae	Not threatened	Druce (143)	
<i>Euchiton audax</i>	Asteraceae	Not threatened	Druce (143)	
<i>Euchiton limosum</i>	Asteraceae	Not threatened	Druce (143)	
<i>Galium aparine</i> (cleavers)*	Rubiaceae	Exotic	Occasional	
<i>Haloragis erecta</i>	Haloragaceae	Not threatened	Druce (143)	
<i>Hydrocotyle elongata</i>	Apiaceae	Not threatened	Occasional	
<i>Hydrocotyle heteromeria</i>	Apiaceae	Not threatened	Occasional	
<i>Hypochoeris radicata</i> (catsear)*	Asteraceae	Exotic	Occasional	
<i>Lapsana communalis</i> (nipplewort)	Asteraceae	Exotic	Occasional	
<i>Leucanthemum vulgare</i> (oxeye daisy)*	Asteraceae	Exotic	Rare	
<i>Lotus peduncularis</i> (lotus)*	Fabaceae	Exotic	Rare	
<i>Medicago lupulina</i> (black medick)*	Fabaceae	Exotic	Rare	
<i>Mimulus guttatus</i> (monkey musk)*	Scrophulariaceae	Exotic	Local	
<i>Mycelis muralis</i> (wall lettuce)*	Asteraceae	Exotic	Common	
<i>Ourisia macrophylla</i> subsp. <i>robusta</i>	Scrophulariaceae	Not threatened	Local	
<i>Oxalis exilis</i> (native oxalis)	Oxalidaceae	Not threatened	Occasional	
<i>Parentucellia viscosa</i> (tarweed)*	Scrophulariaceae	Exotic	Rare	
<i>Parietaria debilis</i>	Urticaceae	Not threatened	Common	
<i>Plantago lanceolata</i> (narrow-leaved plantain)*	Plantaginaceae	Exotic	Common	
<i>Polygonum hydropiper</i> (water pepper)*	Polygonaceae	Exotic	Local	
<i>Pratia angulata</i> (panakenake)	Lobeliaceae	Not threatened	Occasional	
<i>Prunella vulgaris</i> (selfheal)*	Lamiaceae	Exotic	Local	
<i>Pseudognaphalium luteoalbum</i> "inland"	Asteraceae	Not threatened	Rare	
<i>Ranunculus reflexus</i> (hairy buttercup)	Ranunculaceae	Not threatened	Local	
<i>Ranunculus repens</i> (creeping buttercup)*	Ranunculaceae	Exotic	Common	
<i>Rorippa nasturtium-aquaticum</i> (watercress)*	Brassicaceae	Exotic	Local	
<i>Rorippa silvestris</i> (creeping yellow cress)*	Brassicaceae	Exotic	Local	Provisional ID
<i>Rumex obtusifolius</i> (broad-leaved	Polygonaceae	Exotic	Occasional	

dock)*				
<i>Senecio banksii</i> var. <i>scabrosus</i>	Asteraceae	Not threatened	Rare	
<i>Senecio glomeratus</i>	Asteraceae	Not threatened	Druce (143)	
<i>Senecio jacobea</i> (ragwort)*	Asteraceae	Exotic	Occasional	
<i>Sisymbrium orientale</i> (Oriental mustard)*	Brassicaceae	Exotic	Occasional	
<i>Solanum nigrum</i> (black nightshade)*	Solanaceae	Exotic	Rare	
<i>Sonchus asper</i> (prickly sow thistle)*	Asteraceae	Exotic	Rare	
<i>Sonchus oleraceus</i> *	Asteraceae	Exotic	Rare	
<i>Spergula arvensis</i> (spurrey)*	Caryophyllaceae	Exotic	Rare	
<i>Stachys sylvatica</i> (hedge woundwort)*	Lamiaceae	Exotic	Occasional	
<i>Stellaria alsine</i> (bog stitchwort)*	Caryophyllaceae	Exotic	Rare	
<i>Stellaria parviflora</i>	Caryophyllaceae	Not threatened	Common	
<i>Taraxacum officinale</i> (dandelion)*	Asteraceae	Exotic	Common	
<i>Trifolium repens</i> (white clover)*	Fabaceae	Exotic	Common	
<i>Urtica incisa</i> (nettle)	Urticaceae	Not threatened	Occasional	
<i>Veronica anagallis-aquatica</i> (water speedwell)*	Scrophulariaceae	Exotic	Rare	
<i>Vicia sativa</i> (vetch)*	Fabaceae	Exotic	Rare	
<i>Wahlenbergia</i> sp.	Campanulaceae		Druce (143)	

<b>Monocots (except orchids, grass)</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Arthropodium candidum</i>	Liliaceae	Not threatened	Common	
<i>Astelia fragrans</i>	Liliaceae	Not threatened	Common	
<i>Collospermum microspermum</i>	Liliaceae	Not threatened	Druce (143)	
<i>Cordyline australis</i> (cabbage tree)	Agavaceae	Not threatened	Occasional	
<i>Dianella nigra</i> (blueberry)	Liliaceae	Not threatened	Rare	
<i>Iris foetidissima</i> (stinking iris)*	Iridaceae	Exotic	Local	
<i>Lemna minor</i> (duckweed)	Lemnaceae	Not threatened	Rare	
<i>Phormium cookianum</i> (whariki)	Agavaceae	Not threatened	Occasional	
<i>Ripogonum scandens</i> (supplejack)	Smilacaceae	Not threatened	Common	
<i>Tradescantia fluminensis</i> (wandering dew)*	Commelinaceae	Exotic	Common	

<b>Orchids</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Earina mucronata</i>	Orchidaceae	Not threatened	Rare	
<i>Thelymitra longifolia</i>	Orchidaceae	Not threatened	Druce (143)	

<b>Grass</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Agrostis capillaris</i> (browntop)*	Agrostidinae	Exotic	Common	
<i>Anemanthele lessoniana</i>	Stipeae	Sparse	Druce (143)	
<i>Anthoxanthum odoratum</i> (sweet vernal)*	Phalaridinae	Exotic	Common	
<i>Bromus hordaceus</i> (soft brome)*	Bromeae	Exotic	Occasional	
<i>Cortaderia fulvida</i>	Cortaderiinae	Not threatened	Rare	
<i>Cortaderia toetoe</i> (toi toi)	Cortaderiinae	Not threatened	Druce (143)	
<i>Dactylis glomerata</i> (cocksfoot)*	Poeae	Exotic	Common	
<i>Echinopogon ovatus</i>	Agrostidinae	Not threatened	Rare	
<i>Holcus lanatus</i> (Yorkshire fog)*	Aveninae	Exotic	Common	

<i>Microlaena avenacea</i> (bush rice grass)	Ehrharteae	Not threatened	Common	
<i>Microlaena polynoda</i>	Ehrharteae	Not threatened	Local	
<i>Poa anceps</i>	Poeae	Not threatened	Local	
<i>Poa annua</i> *	Poeae	Exotic	Local	
<i>Rytidosperma</i> sp.	Danthoniinae	Exotic	Occasional	
<i>Schedonorus phoenix</i> (tall fescue)*	Poeae	Exotic	Common	
<i>Sporobolus africanus</i> (rats tail)*	Eragrostideae	Exotic	Rare	

<b>Rushes and Sedges</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Carex dissita</i>	Cyperaceae	Not threatened	Occasional	
<i>Carex forsteri</i>	Cyperaceae	Not threatened	Common	
<i>Carex geminata</i> "large"	Cyperaceae	Not threatened	Occasional	
<i>Carex lambertiana</i>	Cyperaceae	Not threatened	Rare	
<i>Carex raoulii</i>	Cyperaceae	Data deficient	Druce (143)	
<i>Carex testacea</i>	Cyperaceae	Not threatened	Occasional	
<i>Cyperus congestus</i> *	Cyperaceae	Exotic	Rare	
<i>Isolepis cernua</i>	Cyperaceae	Not threatened	Local	
<i>Juncus articulatus</i> (jointed rush)*	Juncaceae	Exotic	Local	
<i>Juncus bufonius</i> (toad rush)*	Juncaceae	Exotic	Local	
<i>Juncus</i> sp.	Juncaceae		Rare	In forest, one clump
<i>Luzula picta</i> var. <i>picta</i>	Juncaceae	Not threatened	Rare	
<i>Uncinia banksii</i>	Cyperaceae	Not threatened	Rare	
<i>Uncinia clavata</i>	Cyperaceae	Not threatened	Occasional	
<i>Uncinia distans</i>	Cyperaceae	Not threatened	Occasional	
<i>Uncinia laxiflora</i>	Cyperaceae	Not threatened	Druce (143)	
<i>Uncinia scabra</i>	Cyperaceae	Not threatened	Druce (143)	
<i>Uncinia uncinata</i> (hook grass)	Cyperaceae	Not threatened	Occasional	

<b>Ferns and allies</b>	<b>Family</b>	<b>Threat ranking</b>	<b>Abundance at site</b>	
<i>Adiantum cunninghamii</i> (common maidenhair fern)	Pteridaceae	Not threatened	Druce (143)	
<i>Asplenium bulbiferum</i> (hen and chickens fern)	Aspleniaceae	Not threatened	Occasional	
<i>Asplenium flaccidum</i> (hanging spleenwort)	Aspleniaceae	Not threatened	Occasional	
<i>Asplenium bulbiferum</i> X <i>A. flaccidum</i>	Aspleniaceae	Not threatened	Druce (143)	
<i>Asplenium gracillimum</i>	Aspleniaceae	Not threatened	Common	
<i>Asplenium hookerianum</i> var. <i>hookerianum</i>	Aspleniaceae	Not threatened	Common	
<i>Asplenium oblongifolium</i> (shining spleenwort)	Aspleniaceae	Not threatened	Druce (143)	
<i>Asplenium polyodon</i> (sickle-leaved spleenwort)	Aspleniaceae	Not threatened	Occasional	
<i>Blechnum chambersii</i>	Blechnaceae	Not threatened	Common	
<i>Blechnum discolor</i> (crown fern)	Blechnaceae	Not threatened	Rare	Very large leaved.
<i>Blechnum filiforme</i> (thread fern)	Blechnaceae	Not threatened	Druce (143)	
<i>Blechnum fluviatile</i>	Blechnaceae	Not threatened	Occasional	
<i>Blechnum membranaceum</i>	Blechnaceae	Not threatened	Druce (143)	
<i>Blechnum novaezelandiae</i> (kiokio)	Blechnaceae	Not threatened	Common	

<i>Blechnum chambersii</i> X <i>B. membranaceum</i>	Blechnaceae	Not threatened	Druce (143)	
<i>Cyathea smithii</i> (soft fern)	Cyatheaceae	Not threatened	Occasional	
<i>Dicksonia fibrosa</i> (wheki-ponga)	Dicksoniaceae	Not threatened	Druce (143)	
<i>Dicksonia squarrosa</i> (wheki)	Dicksoniaceae	Not threatened	Common	
<i>Hymenophyllum demissum</i>	Hymenophyllaceae	Not threatened	Druce (143)	
<i>Hypolepis ambigua</i>	Dennstaedtiaceae	Not threatened	Local	
<i>Lastreopsis glabella</i>	Dryopteridaceae	Not threatened	Druce (143)	
<i>Lastreopsis velutina</i>	Dryopteridaceae	Not threatened	Druce (143)	
<i>Leptopteris hymenophylloides</i>	Osmundaceae	Not threatened	Occasional	
<i>Microsorium pustulatum</i> (hounds-tongue fern)	Polypodiaceae	Not threatened	Occasional	
<i>Paesia scaberula</i> (hard fern)	Dennstaedtiaceae	Not threatened	Local	
<i>Pellaea rotundifolia</i>	Pteridaceae	Not threatened	Common	
<i>Pellaea</i> sp. (cf. <i>P. falcatum</i> , sori not continuous, lower pinnae lobed)	Pteridaceae	Not threatened	Occasional	
<i>Pneumatopteris pennigera</i>	Thelypteridaceae	Not threatened	Common	
<i>Polystichum richardii</i> (common shield fern)	Dryopteridaceae	Not threatened	Common	
<i>Polystichum sylvaticum</i>	Dryopteridaceae	Not threatened	Druce (143)	
<i>Pteridium esculentum</i> (bracken)	Dennstaedtiaceae	Not threatened	Common	
<i>Pteris tremula</i> (shaking brake fern)	Pteridaceae	Not threatened	Rare	
<i>Pyrrosia elaeagnifolia</i> (serpent's tongue fern)	Polypodiaceae	Not threatened	Common	

Druce, A. 1976. Plant Checklist for Mangatoro Bush, SE of Dannevirke, Hawke's Bay