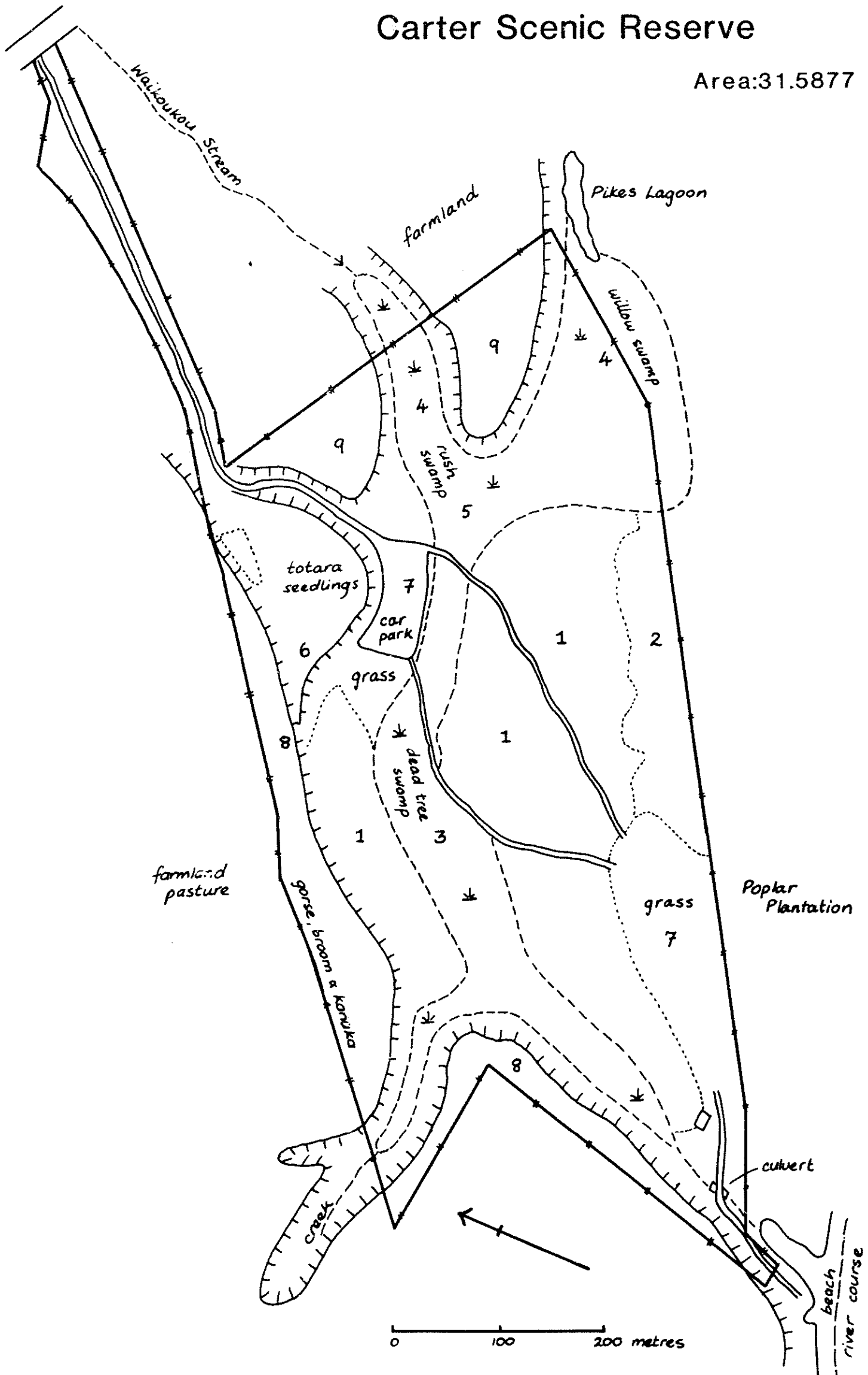


Carter Scenic Reserve

Area: 31.5877 ha



Handwritten scribbles and marks in the top right corner.



CARTER SCENIC RESERVE						GRID REF S26 296684-297685		
for: scenery	bush ✓	scrub/tussock etc	wetland ✓	plants ✓	animals	geology/soil	history/prehistory	water supply
LOCATION Beside the Ruamahanga River, 7.5 km east of Carterton, Southern Wairarapa.						AREA ha/acc 31.5877		
ACCESS From Gladstone Road, access is along a metalled track (with two gates) to a carpark and picnic area. Elsewhere in the reserve access is by foot.						L.D. No. Part Lot 16, DP 3680, Blocks XII and XVI, Tiffin SD		
OUTLINE & TOPO The reserve lies in the flat, alluvial Wairarapa Basin, on two old river terraces of the Ruamahanga River, separated by a 3m scarp. The remains of an oxbow on one terrace is now a swamp, fed by the steep-gullied Waikoukou Stream from the west. The vegetation represents the 'patchwork' landscape once widespread in the Wairarapa, of grass, swamp, scrub and alluvial podocarp forest. The varied swamp areas include some recently flooded forest.						STATUS Scenic		
SURROUNDINGS There is access through the SW end of the reserve to the Ruamahanga river-flats. All other boundaries border farmland, of agricultural and silvicultural land-use. There are several patches of native vegetation along the banks of the Ruamahanga River but beyond the old terraces, little has been preserved.						RES sub-Cttee		
GEOLOGY Alluvial deposits of the Wairarapa alluvial basin.						CONTROL CCL		
SPM Alluvium and river silts.						GAZETTED 1921		
SOIL Ruamahanga sand, Ahikouka silt loam, Kokotau silt loam, Wharekaka hill soil (recent luvic, grey recent and yellow grey earths).						RESERVED 1916		
DRAINAGE Poor to moderate.						HISTORY In 1896, Charles Rooking Carter willed that this part of his estate be preserved. The Public Trust Office instituted its reservation when he died.		
						AIR PHOTO SN 8171 J/3		
						nearby town 7.5 km Carterton		
						nearest reserve 12 km Tate SR		
						public road Gladstone Road		
						sea (km) 33		
						ALTITUDE m/ass 61		
						ASPECT South		
						RAIN mm/yr 864 (approx)		
						NAT FERTILITY Moderate		

RES			NOT			MAIN HABITATS and FEATURES		% area	area ha	native	ex	regen	NAT	trend	exotics
L1	L2	L3	L1	L2	L3			1 ^o	2 ^o						
✓	✓	✓				1. Podocarp forest on alluvium of kahikatea-matai/titoki with totara on well drained terrace slopes.	27.8	8.8	✓			H	H	S	
✓	✓	✓				2. Swampy bush and flax.	5.4	1.7	✓			M	H	S	
✓	✓	✓				3. "Dead-tree swamp" where flooding of kahikatea stand has left dead stumps in wet swamp with rushes, sedges and weeds.	8.8	2.8	✓	✓		M	M	S	
✓	✓	✓				4. Willow dominated swamp of eastern end reserve.	2.8	0.9	✓	✓		M	L	S	H
✓	✓	✓				5. Eastern, central and western swamps of raupo, rushes and flax.	8.8	2.8	✓			M	H	S	
✓	✓	✓				6. Grass and open scrub with kanuka and weeds, containing the collection of 8 Coprosma spp. Totaras were planted for protection after removal of pines.	5.0	1.6	✓	✓	✓	M	M	S	H
✓	✓	✓				7. Open grassed area at SW end, fringed by bush and periodically mown.	17.4	5.5	✓	✓		M	L	S	H
✓	✓	✓				8. Gerse, broom and kanuka along NW and W boundary.	15.2	4.8	✓	✓		H	M	S	H
✓	✓	✓				9. Pine plantation.	8.2	2.6							
							99.4	31.5							

CONDITION In the past human interference with the delicate drainage balance has killed an area of bush, now wet swamp, and public over-use and stock grazing have prevented regrowth in some areas. Protective pine planting has not created a regeneration environment so totaras have been planted along access and pines will be felled when mature. The forest is in good condition with good regeneration.

FENCING Weeds throughout open areas, some noxious. Farm boundaries are well fenced and the important *Coprosma* area has been fenced off.

PRIORITY Low, but maintenance must be continued.

RATING 0-10

SCIENTIFIC 7 Rare and uncommon plants; 'patchwork' of plant communities.

5

SCENIC

6 Over-used in past, now limited to walking, picnicking and games on mowed lawn.

RECREATION

CONCLUSIONS and RECOMMENDATIONS A feature of this reserve is that after 60 years of reservation, the bush has retained its integrity as a stand of swamp and semi-swamp forest, unlike remnants reserved elsewhere which have been modified by drainage, etc. However, during the 1960's problems caused by overuse resulted in closure to the public for 7 years (1969-1976). Since then, careful appraisal of the vegetation has revealed new, rare and uncommon plant species and a high diversity of plant groups for such a small area. This is imbued by the delicate drainage balance providing a sequence from creek and swamp through to well-drained alluvium. The destruction of other regional native stands has increased the value of this reserve.

Present management proposals provide a controlled recreational use of the reserve, with the 'lawn' area having pedestrian access only from the circular track. Toilets and picnic amenities are proposed for the carpark, and eventually development of further tracks through other areas. The stream entering the reserve is recognised as part of its ecological system and because any change in land use in the gully could threaten the reserve, acquisition of the gully should be considered. Care must be taken that drainage is not impeded especially in the culvert area. The area containing the *Coprosmas* is to be kept low-key to prevent drawing public attention to it. To ensure protection for this type locality, it may be necessary to re-classify this area as a scientific reserve.

(Continued..)

Carter's Indicator sp? but not on list of T. Plants.
 Wassiloff, Clark & Galiter 1986

(22) T. Plants

NATIVE SPECIES

Trees and shrubs

- Alectryon excelsus
- Aristolotelia serrata
- Beilschmiedia tawa
- Brachyglottis repanda
- Carmichaelia arborea
- Carpodetus serratus
- Coprosma areolata
- C. crassifolia
- C. grandifolia
- C. lucida
- C. propinqua var. propinqua
- C. rhamnoides
- C. virgida
- C. robusta
- C. rotundifolia
- C. rubra
- C. tenuicaulis
- C. violacea
- C. propinqua X C. robusta
- Cordyline australis
- Coriaria arborea
- Elaeocarpus dentatus
- E. hookerianus

- Fuchsia excorticata
- Fuchsia excorticata X F. perscandens
- Hebe stricta var. atkinsonii
- Helichrysum aggregatum
- Hoheria populnea var. lanceolata
- H. angustifolia X H. populnea var. lanceolata
- Ileostylis micrantha
- Knightia excelsa
- Laurelia novae-zelandiae
- Leptospermum ericoides
- L. scoparium
- Leucopogon fasciculatus
- Lophomyrtus bullata
- L. obcordata
- Melicope simplex
- Melicope micrantha
- M. ramiflorus
- Myrsine australis
- M. divaricata
- M. salicina

- Nestegis cunninghamii
- N. lanceolata
- Olearia rani
- O. virgata var. virgata
- Paratrophis microphylla
- Pennantia corymbosa
- Pittosporum eugenioides
- P. tenuifolium
- Plagianthus betulinus
- Podocarpus dacrydioides
- P. spicatus
- P. totara
- Pseudopanax anomalus
- P. arboreus
- P. crassifolius
- Schefflera digitata
- Solanum aviculare
- Sophora microphylla
- Syzygium maire
- Teucrium parviflorum
- Urtica ferox

Climbers and lianes, etc.

- Calystegia tuguriorum
- Clematis foetida
- C. paniculata
- Fuchsia perscandens
- Metrosideros colensoi
- M. diffusa
- M. perforata

- Muehlenbeckia australis
- M. complexa
- M. australis X M. complexa
- Parsonia capsularis var. ochracea
- P. heterophylla
- P. capsularis X P. heterophylla

- Passiflora tetrandra
- Ripogonum scandens
- Rubus australis
- R. schmidelioides
- R. australis X R. schmidelioides

Grasses, rushes and like plants

- Agropyron sp. (A. scabrum agg.)
- Carex dipsacea s.s.
- C. dissita
- C. geminata s.s.
- C. inversa
- C. lambertiana
- C. lessoniana
- C. maorica
- C. secta s.s.
- C. scandri
- C. raouii s.s.
- C. virgata

- Cyperus ustulatus
- Dichelachne crinita
- Echinopogon ovatus
- Eleocharis acuta
- Juncus australis
- J. gregiflorus
- J. sarophorus
- J. sp.
- Luzula picta
- Microlaena avenacea
- M. polynoda
- M. stipoides

- Notodanthonia clavata
- N. racemosa
- Poa anceps var. anceps
- P. sp. (unnamed; aff. P. imbecilla)
- Scirpus inundatus
- S. reticularis
- S. sulcatus var. distigmatus
- Uncinia banksii
- U. laxiflora
- U. scabra
- U. uncinata

Herbs

- Acaena anserinifolia
- Arthropodium candidum
- Astelia fragrans
- Australina pusilla
- Callitriche petriei
- Cardamine sp. (a) (C. debilis agg.)
- C. sp. (b) (C. debilis agg.)
- C. sp. (c) (C. debilis agg.)
- C. sp. (d)
- (unnamed; aff. C. corymbosa)
- Centella uniflora
- Cotula australis
- C. coronopifolia
- C. squalida
- Craspedia uniflora var. grandis
- Dichondra repens
- D. sp.
- Drosera auriculata
- Earina autumnalis
- E. mucronata

- Epilobium nummularifolium
- Galium propinquum
- G. trilobum
- Geranium microphyllum
- Gnaphalium audax
- G. gymnocephalum
- G. involucreatum
- G. sp. (G. luteo-album agg.)
- Haloragis erecta
- Hydrocotyle americana
- H. elongata
- H. moschata
- H. sp. (H. novae-zelandiae agg.)
- Lemna minor
- Libertia ixioides
- Mazus pumilio
- Microtis unifolia
- Myosotis spathulata
- Oxalis sp.
- Parietaria debilis

- Pelargonium inodorum
- Phorium tenax
- Plantago raouii var.
- Pratia angulata
- Pterostylis albulata
- Ranunculus hirtus
- Senecio glomeratus
- S. hispidulus
- S. minimus
- S. quadridentatus
- Schizeilema trifoliolatum
- Stellaria parviflora
- Tillaea acutifolia
- Typha orientalis
- Urtica incisa
- U. linearifolia
- Viola lyallii
- Wahlenbergia colensoi
- W. marginata

Ferns

- Adiantum aethiopicum
- A. cunninghamii
- A. diaphanum
- Anarthropteris lanceolata
- Arthropteris tenella
- Asplenium bulbiferum
- A. colensoi
- A. flabellifolium
- A. hookerianum
- A. oblongifolium
- A. polyodon
- A. sp. (A. flaccidum agg.)
- A. bulbiferum X A. flaccidum
- A. bulbiferum X A. hookerianum

- Azolla rubra
- Blechnum chambersii
- B. filiforme
- B. fluviatile
- B. membranaceum
- B. sp. (B. capense agg) (bog sp.)
- Cyathea dealbata
- Dicksonia squarrosa
- Grammitis billardieri
- Histiopteris incisa
- Hymenophyllum rarum
- H. sanguinolentum
- H. scabrum

- Hypolepis tenuifolia
- Lastreopsis glabella
- L. microsora ssp. pentangularis
- L. velutina
- Leptopteris hymenophylloides
- Pellaea rotundifolia
- Phymatosorus diversifolius
- P. scandens
- Polystichum richardii
- P. silvaticum
- Pneumatopteris pennigera
- Pteridium esculentum
- Pteris tremula
- Pyrosia serpens

NATIVE SPECIES

Trees and shrubs

Alectryon excelsus
Aristotelia serrata
Beilschmiedia tawa
Brachyglottis repanda
Carmichaelia arborea
Carpodetus serratus
Coprosma areolata
C. crassifolia
C. grandifolia
C. lucida
C. propinqua var. *propinqua*
C. rhamnoides
C. rigida
C. robusta
C. rotundifolia
C. rubra
C. tenuicaulis
C. violacea
C. propinqua X *C. robusta*
Cordyline australis
Coriaria arborea
Elaeocarpus dentatus
E. hookerianus

Fuchsia excorticata
Fuchsia excorticata X *F. perscandens*
Hebe stricta var. *atkinsonii*
Helichrysum aggregatum
Hoheria populnea var. *lanceolata*
H. angustifolia X *H. populnea*
 var. *lanceolata*
Ileostylis micrantha
Knightia excelsa
Laurelia novae-zelandiae
Leptospermum ericoides
L. scoparium
Leucopogon fasciculatus
Lophomyrtus bullata
L. obcordata
Melicope simplex
Melicytus micranthus
M. ramiflorus
Myrsine australis
M. divaricata
M. salicina

Nestegis cunninghamii
N. lanceolata
Olearia rani
O. virgata var. *virgata*
Paratrophis microphylla
Pennantia corymbosa
Pittosporum eugenioides
P. tenuifolium
Plagianthus betulinus
Podocarpus dacrydioides
P. spicatus
P. totara
Pseudopanax anomalus
P. arboreus
P. crassifolius
Schefflera digitata
Solanum aviculare
Sophora microphylla
Syzygium maire
Teucrium parviflorum
Urtica ferox

Climbers and lianes, etc.

Calystegia tuguriorum
Clematis foetida
C. paniculata
Fuchsia perscandens
Metrosideros colensoi
M. diffusa
M. perforata

Muehlenbeckia australis
M. complexa
M. australis X *M. complexa*
Parsonsia capsularis var. *ochracea*
P. heterophylla
P. capsularis X *P. heterophylla*

Passiflora tetrandra
Ripogonum scandens
Rubus australis
R. schmidelioides
R. australis X *R. schmidelioides*

Grasses, rushes and like plants

Agropyron sp. (*A. scabrum* agg.)
Carex dipsacea s.s.
C. dissita
C. geminata s.s.
C. inversa
C. lambertiana
C. lessoniana
C. maorica
C. secta s.s.
C. solandri
C. raoulii s.s.
C. virgata

Cyperus ustulatus
Dichelachne crinita
Echinopogon ovatus
Eleocharis acuta
Juncus australis
J. gregiflorus
J. sarophorus
J. sp.
Luzula picta
Microlaena avenacea
M. polynoda
M. stipoides

Notodanthonia clavata
N. racemosa
Poa anceps var. *anceps*
P. sp. (unnamed; aff. *P. imbecilla*)
Scirpus inundatus
S. reticularis
S. sulcatus var. *distigmatus*
Uncinia banksii
U. laxiflora
U. scabra
U. uncinata

Herbs

Acaena anserinifolia
Arthropodium candidum
Astelia fragrans
Australina pusilla
Callitriche petriei
Cardamine sp. (a) (*C. debilis* agg.)
C. sp. (b) (*C. debilis* agg.)
C. sp. (c) (*C. debilis* agg.)
C. sp. (d)
 (unnamed; aff. *C. corymbosa*)
Centella uniflora
Cotula australis
C. coronopifolia
C. squalida
Craspedia uniflora var. *grandis*
Dichondra repens
D. sp.
Drosera auriculata
Earina autumnalis
E. mucronata

Epilobium nummularifolium
Galium propinquum
G. trilobum
Geranium microphyllum
Gnaphalium audax
G. gymnocephalum
G. involucratum
G. sp. (*G. luteo-album* agg.)
Haloragis erecta
Hydrocotyle americana
H. elongata
H. moschata
H. sp. (*H. novae-zelandiae* agg.)
Lemna minor
Libertia ixicioides
Mazus pumilio
Microtis unifolia
Myosotis spathulata
Oxalis sp.
Parietaria debilis

Pelargonium inodorum
Phorium tenax
Plantago raoulii var.
Pratia angulata
Pterostylis alobula
Ranunculus hirtus
Senecio glomeratus
S. hispidulus
S. minimus
S. quadridentatus
Schizeilema trifoliolatum
Stellaria parviflora
Tillaea acutifolia
Typha orientalis
Urtica incisa
U. linearifolia
Viola lyallii
Wahlenbergia colensoi
W. marginata

Ferns

Adiantum aethiopicum
A. cunninghamii
A. diaphanum
Anarthropteris lanceolata
Arthropteris tenella
Asplenium bulbiferum
A. colensoi
A. flabellifolium
A. hookerianum
A. oblongifolium
A. polyodon
A. sp. (*A. flaccidum* agg.)
A. bulbiferum X *A. flaccidum*
A. bulbiferum X *A. hookerianum*

Azolla rubra
Blechnum chambersii
B. filiforme
B. fluviatile
B. membranaceum
B. sp. (*B. capense* agg) (bog sp.)
Cyathea dealbata
Dicksonia squarrosa
Grammitis billardieri
Histiopteris incisa
Hymenophyllum rarum
H. sanguinolentum
H. scabrum

Hypolepis tenuifolia
Lastreopsis glabella
L. microsora ssp. *pentangularis*
L. velutina
Leptopteris hymenophylloides
Pellaea rotundifolia
Phymatosorus diversifolius
P. scandens
Polystichum richardii
P. silvaticum
Pneumatopteris pennigera
Pteridium esculentum
Pteris tremula
Pyrrhosia serpens

EXOTIC SPECIES

Clematis vitalba
willow

pinus
grasses

Jerusalem cherry
ragwort

BIRDS

Native

crake
fantail
grey duck
grey teal
greywarbler

kingfisher
morepork
N.Z. pigeon
rifleman
shining cuckoo

shoveller
silveryeye
tomtit
tui

Introduced

blackbird
Californian quail
chaffinch
goldfinch

greenfinch
hedge sparrow
mallard

songthrush
starling
yellowhammer