

HOROEKA STREET SCENIC RESERVE, STOKES VALLEY, LOWER HUTT

Maps: NZTopo50-BQ32 Lower Hutt, centred on grid reference 668406. NZMS 260 R27, R28, Pt.Q28, Wellington, centred on grid reference 768024.

G.P.S. grid reference:

Catchment: Stokes Valley stream, a true left tributary of the Hutt River.

Altitude range: c. 40 m - 150 m above sea level.

Landform: stream in broad gully between adjacent spurs.

Geology: Strongly indurated and metamorphosed, Triassic – Jurassic, sedimentary rocks – greywackes and argillites (undifferentiated), including semischists. (NZ Soil Bureau Map 106/1, 1:1.000,000; NZ Geological Survey map, 1:1.000,000).

Aspect: southwest.

Rainfall: 1985-2010 mean annual rainfall 1338 mm. (Trevor McGavin's private weather station, Maungaraki).

Ecological District: Wellington Ecological District 39.01.

Forest classification:

Territorial Local Authority: Hutt City Council.

Former name, status, tenure, disposal: Te Oranga Whenua. Queen Elizabeth II National Trust Open Space Covenant. Owned by P and J Waddington. Sold to Hutt City Council in 2011.

Tenure: Hutt City Council.

Status: Scenic Reserve.

Abbreviations

* = not naturally occurring in Wellington Ecological District 39.01

? = identity uncertain

(G) = garden escape

(P) = planted

sp. = species

subsp. = subspecies

(unc) = one plant seen

var. = variety

Lists compiled on 22-9-01 By B J Mitcalfe, J C Horne and P Waddington during a 5-hour reconnaissance and updated on 4-5-02 by Wellington Botanical Society (WBS) ; updated by J R Rolfe on 11-01-12; updated by WBS and Friends of Horoeka St. Reserve, during a 5-hour reconnaissance on 1-9-2012.

Observations

The reserve consists of a mosaic of plant communities ranging from wetland species such as kahikatea and swamp maire, through mature hard and black beech forest, epacrids such as kānuka and mānuka, and broadleaved species, over diverse fern and orchid species.

Hall's tōtara, rimu, and other podocarps are regenerating.

Gorse is being surpressed by mānuka and kānuka.

End browse was seen on *Coprosma lucida*.

Norway rats, ship rats and mustelids are being trapped, and possums being poisoned.

Deer prints were seen on the paddock at Horoeka Street entrance

LIST 1: SOME INDIGENOUS VASCULAR PLANTS

BOTANICAL NAME	MĀORI NAME	COMMON NAME
GYMNOSPERM TREES		
1. <i>Dacrycarpus dacrydioides</i>	kahikatea	kahikatea
2. <i>Dacrydium cupressinum</i>	rimu	rimu
3. <i>Podocarpus cunninghamii</i>	tōtara	Hall's tōtara
4. <i>Podocarpus totara</i>	tōtara	tōtara
5. <i>Prumnopitys ferruginea</i>	miro	miro
MONOCOTYLEDONOUS TREES		
6. <i>Cordyline australis</i>	tī kōuka	cabbage tree
7. <i>Cordyline banksii</i>	tī ngahere	forest cabbage tree
8. <i>Rhopalostylis sapida</i> (P& natural)	nīkau	nīkau
DICOTYLEDONOUS TREES AND SHRUBS		
9. <i>Alectryon excelsus</i>	tītoki	tītoki
10. <i>Alseuosmia pusilla</i>	toropapa	mountain alseuosmia
11. <i>Aristotelia serrata</i>	makomako	wineberry
12. <i>Beilschmiedia tawa</i>	tawa	tawa
13. <i>Brachyglottis repanda</i>	rangiora	rangiora
14. <i>Carpodetus serratus</i>	putaputawētā	marbleleaf
15. <i>Coprosma areolata</i>		thin-leaved coprosma
16. <i>Coprosma grandifolia</i>	kānono	kānono
17. <i>Coprosma lucida</i>	karamu	karamu
18. <i>Coprosma microcarpa</i>		small-seeded coprosma
19. <i>Coprosma rhamnoides</i>		a coprosma sp.
20. <i>Coprosma robusta</i>	karamu	karamu
21. <i>Coprosma robusta</i> x <i>C. propinqua</i>		a coprosma hybrid
22. <i>Coprosma tenuicaulis</i>	hukihuki	swamp coprosma
23. * <i>Corynocarpus laevigatus</i>	karaka	karaka
24. * <i>Dodonaea viscosa</i> (G)	akeake	akeake
25. <i>Elaeocarpus dentatus</i>	hīnau	hīnau
26. <i>Fuchsia excorticata</i>	kōtukutuku	tree fuchsia
27. <i>Gaultheria antipoda</i>	tāwiniwini	bush snowberry
28. <i>Geniostoma ligustrifolium</i> var. <i>ligustrifolium</i>	hangehange	hangehange
29. <i>Griselinia littoralis</i>	pāpāuma	broadleaf
30. <i>Hebe stricta</i> var. <i>atkinsonii</i>	koromiko	koromiko
31. <i>Hedycarya arborea</i>	porokaiwhiri	pigeonwood
32. <i>Helichrysum aggregatum</i>	niniao	a shrub daisy sp.
33. * <i>Hoheria populnea</i>	houhere	lacebark sp.
34. <i>Knightia excelsa</i>	rewarewa	rewarewa
35. <i>Kunzea aff. ericoides</i>	kānuka	kānuka
36. <i>Laurelia novae-zelandiae</i>	pukatea	pukatea
37. <i>Leptecophylla juniperina</i>	mingimingi	prickly mingimingi
38. <i>Leptospermum scoparium</i>	mānuka	mānuka
39. <i>Leucopogon fasciculatus</i>	mingimingi	big mingimingi
40. <i>Lophomyrtus bullata</i>	ramarama	ramarama
41. <i>Lophomyrtus bullata</i> x <i>L. sp.</i>		a lophomyrtus hybrid
42. <i>Melicetyus ramiflorus</i>	māhoe	māhoe

43.	<i>Metrosideros robusta</i> (unc)	rātā	northern rātā
44.	<i>Myrsine australis</i>	māpou	māpou
45.	<i>Myrsine salicina</i>	toro	toro
46.	<i>Nestegis cunninghamii</i>	maire	black maire
47.	<i>Nothofagus solandri</i> var. <i>solandri</i>	tawhairauriki	black beech
48.	<i>Nothofagus truncata</i>	tawhairaunui	hard beech
49.	<i>Olearia rani</i>	heketara	heketara
50.	<i>Piper excelsum</i> subsp. <i>excelsum</i>	kawakawa	kawakawa
51.	<i>Pittosporum divaricatum</i>		a pittosporum sp.
52.	<i>Pittosporum eugenioides</i>	tarata	lemonwood
53.	<i>Pittosporum tenuifolium</i>	kohuhu	kohuhu
54.	<i>Plagianthus regius</i>	mānatu	lowland ribbonwood
55.	<i>Pseudopanax arboreus</i>	whauwhaupaku	five-finger
56.	<i>Pseudopanax crassifolius</i>	horoeke	lancewood
57.	* <i>Pseudopanax crassifolius</i> x <i>P. lessonii</i>		a pseudopanax hybrid
58.	<i>Pseudowintera axillaris</i>	horopito	lowland horopito
59.	<i>Schefflera digitata</i>	patē	patē
60.	<i>Sophora microphylla</i> (P)	kōwhai	kōwhai
61.	* <i>Sophora tetraptera</i> (P)	kōwhai	kōwhai
62.	<i>Syzygium maire</i>	maire tawake	swamp maire
63.	* <i>Vitex lucens</i> (P)	pūriri	pūriri
64.	<i>Weinmannia racemosa</i>	kāmahi	kāmahi

MONOCOTYLEDONOUS LIANES

65.	<i>Freycinetia banksii</i>	kieke	kieke
66.	<i>Ripogonum scandens</i>	kareao	supplejack

DICOTYLEDONOUS LIANES

67.	<i>Clematis forsteri</i>	pikiarero	small white clematis
68.	<i>Clematis paniculata</i>	puawānanga	white clematis
69.	<i>Metrosideros diffusa</i>	rātā	white rātā
70.	<i>Metrosideros fulgens</i>	akakura	scarlet rātā
71.	<i>Metrosideros perforata</i>	aka	clinging rātā
72.	<i>Muehlenbeckia australis</i>	pōhuehue	pōhuehue
73.	<i>Parsonsia heterophylla</i>	kaihua	a parsonsia sp.
74.	<i>Rubus australis</i>	tātarāmoa	swamp lawyer
75.	<i>Rubus cissoides</i>	tātarāmoa	bush lawyer

LYCOPODS AND PSILOPSIDS

76.	<i>Lycopodium scariosum</i>	mātukutuku	creeping clubmoss
77.	<i>Lycopodium volubile</i>	waewaekoukou	climbing clubmoss
78.	<i>Tmesipteris elongata</i>		a fork fern sp.

FERNS

79.	<i>Asplenium bulbiferum</i>	manamana	hen and chickens fern
80.	<i>Asplenium flaccidum</i>	makawe o Raukatauri	hanging spleenwort
81.	<i>Asplenium oblongifolium</i>	huruhuruwhenu	shining spleenwort
82.	<i>Asplenium polyodon</i>	petako	sickle spleenwort
83.	<i>Blechnum chambersii</i>	nini	lance fern
84.	<i>Blechnum discolor</i>	piupiu	crown fern

85.	<i>Blechnum fluviatile</i>	kiwakiwa	kiwakiwa
86.	<i>Blechnum minus</i>	kiokio	swamp kiokio
87.	<i>Blechnum novae-zelandiae</i>	kiokio	kiokio
88.	<i>Blechnum procerum</i>		small kiokio
89.	<i>Blechnum procerum</i> x <i>B. novae-zelandiae</i>		a blechnum hybrid
90.	<i>Cardiomanes reniforme</i>	raurenga	kidney fern
91.	<i>Cyathea dealbata</i>	ponga	ponga
92.	<i>Cyathea medullaris</i>	mamaku	mamaku
93.	<i>Cyathea smithii</i>	kātote	soft tree fern
94.	<i>Dicksonia squarrosa</i>	whekī	whekī
95.	<i>Grammitis billardierei</i>		a strap fern sp.
96.	<i>Grammitis ciliata</i>		a strap fern sp.
97.	<i>Hymenophyllum bivalve</i>	mauku	a filmy fern sp.
98.	<i>Hymenophyllum demissum</i>	irirangi	drooping filmy fern
99.	<i>Hymenophyllum dilatatum</i>	matua mauku	a filmy fern sp.
100.	<i>Hymenophyllum flabellatum</i>	mauku	fan-like filmy fern
101.	<i>Hymenophyllum multifidum</i>	mauku	much-divided filmy fern
102.	<i>Hymemnophyllum rarum</i>		
103.	<i>Hymenophyllum revolutum</i>	mauku	
104.	<i>Hymenophyllum sanguinolentum</i>	piripiri	scented fern
105.	<i>Hymenophyllum scabrum</i>	mauku	rough filmy fern
106.	<i>Hypolepis ambigua</i>	rarauhi nehenehe	a hypolepis sp.
107.	<i>Lastreopsis hispida</i>	pongaweka	hairy fern
108.	<i>Leptopteris hymenophylloides</i>	heruheru	single crape fern
109.	<i>Lindsaea linearis</i>		a lindsaea sp.
110.	<i>Lindsaea trichomanoides</i>		a lindsaea sp.
111.	<i>Microsorium pustulatum</i>	kōwaowao	hound's tongue
112.	<i>Paesia scaberula</i>	mātā	ring fern
113.	<i>Pneumatopteris pennigera</i>	pākau	gully fern
114.	<i>Polyphlebium</i> (= <i>Trichomanes</i>) <i>venosum</i>		a bristle fern sp.
115.	<i>Polystichum neozealandicum</i> subsp. <i>zerophyllum</i>	pikopiko	common shield fern
116.	<i>Polystichum neozelandicum</i> ssp. <i>zerophyllum</i>	pikopiko	prickly shield fern
117.	<i>Polystichum vestitum</i>	pūniu	prickly shield fern
118.	<i>Pteridium esculentum</i>	rārahu	bracken
119.	<i>Pteris macilenta</i>	titipo	brake
120.	<i>Pyrrosia eleagnifolia</i>	ota	leather-leaf fern
121.	<i>Rumohra adiantiformis</i>	karawhiu	leathery shield fern

ORCHIDS

122.	? <i>Caladenia</i> (= <i>Petalochilus</i>) sp (JRR 11-01-12)		
123.	<i>Cyrtostylis rotundifolia</i>		
124.	<i>Diplodium alobulum</i>		a greenhood sp.
125.	<i>Diplodium trullifolium</i>	tutukiwi	trowel-leaved orchid
126.	<i>Earina mucronata</i>	peka-a-waka	Spring orchid
127.	<i>Gastrodia cunninghamii</i>	hūpereii	black orchid
128.	<i>Pterostylis banksii</i>		

129.	<i>Pterostylis graminea</i> (agg.)		a greenhood sp.
130.	<i>Singularybas oblongus</i>		a spider orchid sp.
131.	<i>Thelymitra longifolia</i>	māikuku	a sun orchid sp.
132.	<i>Thelymitra</i> sp. (hatchii ?)	māikuku	a sun orchid sp.

GRASSES

133.	<i>Austroderia fulvida</i>	toetoe	toetoe
134.	<i>Microlaena avenacea</i>		bush rice grass
135.	<i>Rhytidosperma gracile</i>		a rhytidosperma sp.
136.	<i>Rytidosperma unarede</i>		a rytidosperma sp.

SEDGES

137.	<i>Carex dissita</i>		a carex sp.
138.	<i>Carex geminata</i>	rautahi	cutty grass
139.	<i>Carex virgata</i>	pūrei	swamp sedge
140.	<i>Gahnia pauciflora</i>		cutting sedge
141.	<i>Gahnia setifolia</i>	māpere	cutty grass
142.	<i>Gahnia xanthocarpa</i>	tupari maunga	a gahnia sp.
143.	<i>Isolepis reticularis</i>		an isolepis sp.
144.	<i>Lepidosperma australe</i>		square sedge
145.	<i>Schoenus maschalinus</i>		dwarf bog rush
146.	<i>Uncinia banksii</i>		a hooked sedge sp.
147.	<i>Uncinia</i> sp. (rupestre ?)		a hooked sedge sp.
148.	<i>Uncinia uncinata</i>	matau a Māui	a hooked sedge sp.
149.	<i>Uncinia zotovii</i> (? <i>U. angustifolia</i>)		

RUSHES

150.	<i>Juncus edgariae</i>	wī	a leafless rush sp
151.	<i>Juncus pallidus</i>	wī	giant rush
152.	<i>Juncus pauciflorus</i>	wī	a leafless rush sp
153.	<i>Juncus sarophorus</i>	wī	a leafless rush sp.
154.	<i>Juncus</i> sp.	wī	a juncus sp.

MONOCOTYLEDONOUS HERBACEOUS PLANTS, OTHER THAN ORCHIDS, GRASSES, SEDGES OR RUSHES

155.	<i>Astelia solandri</i>	kōwharawhara	perching astelia
156.	<i>Dianella nigra</i>	tūrutu	blueberry
157.	<i>Phormium tenax</i> (P?)	harakeke	swamp flax
158.	<i>Phormium</i> sp. (G)		a flax sp.
159.	<i>Typha orientalis</i>	raupō	raupō

COMPOSITE HERBACEOUS PLANTS

160.	<i>Euchiton japonicus</i>		a euchiton sp.
161.	<i>Senecio minimus</i>		fireweed

DICOTYLEDONOUS HERBACEOUS PLANTS OTHER THAN COMPOSITES

162.	<i>Centella uniflora</i>		centella
163.	<i>Drosera auriculata</i>	wahu	sundew
164.	<i>Gonocarpus aggregatus</i>		a gonocarpus sp.
165.	<i>Lobelia angulata</i>	pānakenake	pratia
166.	<i>Oxalis</i> sp. (? <i>exilis</i>)		an oxalis sp.

+++++

LIST 2: SOME INDIGENOUS BRYOPHYTES

MOSSES

- 167. *Cyathophorum bulbosum*
- 168. *Hypopterygium filiculaeforme*
- 169. *Leucobryum candidum*
- 170. *Trichomnium aciculare*

LIVERWORTS

- 171. *Monoclea forsteri*

+++++

LIST 3: SOME ADVENTIVE VASCULAR PLANTS

GYMNOSPERM TREES

- 172. *Cedrus libani* (P) cedar of Lebanon
- 173. *Pinus radiata* Monterey pine

Dicotyledonous trees and shrubs

- 174. *Acer pseudoplatanus* sycamore
- 175. *Berberis darwinii* Darwin's barberry
- 176. *Cotoneaster* sp. a cotoneaster sp.
- 177. *Cytisus scoparius* English broom
- 178. *Erica arborea* Spanish heath
- 179. *Hypericum androsaemum* tutsan
- 180. *Hypericum calycinum* rose of Sharon
- 181. *Leycesteria formosa* Himalaya honeysuckle
- 182. *Ligustrum sinense* Chinese privet
- 183. *Prunus serrulata* Japanese hill cherry
- 184. *Rubus fruticosus* agg. blackberry
- 185. *Rubus laciniatus* cut-leaved blackberry
- 186. *Ulex europaeus* gorse

DICOTYLEDONOUS LIANES

- 187. *Lonicera japonica* Japanese honeysuckle
- 188. *Clematis vitalba* old man's beard

GRASSES

- 189. *Dactylis glomerata* cocksfoot
- 190. *Holcus lanatus* Yorkshire fog
- 191. *Poa annua* annual poa
- 192. *Schedonorus phoenix* tall fescue

SEDGES

- 193. *Cyperus eragrostis* umbrella sedge

RUSHES

- 194. *Juncus articulatus* a jointed rush sp.
- 195. *Juncus effusus* soft rush

MONOCOTYLEDONOUS HERBS

- 196. *Allium triquetrum* onion weed
- 197. *Crococsmia Xcrococsmiiflora* montbretia

COMPOSITE HERBS

198.	<i>Cirsium vulgare</i>	kotimana	Scotch thistle
199.	<i>Conyza sumatrensis</i> .		fleabane
200.	<i>Crepis capillaris</i>		hawksbeard
201.	<i>Hypochaeris radicata</i>		catsear
202.	<i>Jacobaea vulgaris</i>		ragwort
203.	<i>Senecio bipinnatisectus</i>		Australian fireweed

DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

204.	<i>Cardamine flexuosa</i>		bitter cress
205.	<i>Centaureum erythraea</i>		centaury
206.	<i>Digitalis purpurea</i>		foxglove
207.	<i>Galium aparine</i>		cleavers
208.	<i>Lonicera nitida</i>		false box
209.	<i>Lotus pedunculatus</i>		birdsfoot trefoil
210.	<i>Mimulus guttatus</i>		monkey musk
211.	<i>Oxalis incarnata</i>		lilac oxalis
212.	<i>Plantago lanceolata</i>		narrow-leaved plantain
213.	<i>Plantago major</i>		broad-leaved plantain
214.	<i>Prunella vulgaris</i>		self-heal
215.	<i>Ranunculus repens</i>		creeping buttercup
216.	<i>Ranunculus ficaria</i>		celandine
217.	<i>Rumex obtusifolius</i>		broad-leaved dock
218.	<i>Spergula arvensis</i>		spurrey
219.	<i>Trifolium pratense</i>		red clover
220.	<i>Trifolium repens</i>		white clover
221.	<i>Vicia hirsuta</i>		hairy vetch

LIST 4: INDIGENOUS BIRDS SEEN OR HEARD

222.	<i>Anthornis melanura</i>	korimako	bellbird
223.	<i>Chrysococcyx lucidus</i>	pipiwharau	shining cuckoo
224.	<i>Eudynamis taitensis</i>	koekoea	long-tailed cuckoo
225.	<i>Falco novaeseelandiae</i>	kārearea	NZ falcon
226.	<i>Gerygone igata</i>	riroriro	grey warbler
227.	<i>Halcyon sancta vagans</i>	kōtare	kingfisher
228.	<i>Hemiphaga novaeseelandiae</i>	kererū	NZ pigeon
229.	<i>Larus dominicanus</i>	karoro	black-backed gull
230.	<i>Mohoua albicilla</i>	popokatea	whitehead
231.	<i>Ninox novaeseelandiae</i>	ruru	morepork
232.	<i>Petroica macrocephala toitoi</i>	miromiro	North Island tomtit
233.	<i>Prothemadera novaeseelandiae</i>	tūi	tūi
234.	<i>Rhipidura fuliginosa placabilis</i>	pīwaiwaka	North Island fantail
235.	<i>Zosterops lateralis</i>	tauhou	waxeye

LIST 5: INTRODUCED BIRDS SEEN OR HEARD

236.	<i>Carduelis flammea</i>		redpoll
237.	<i>Fringilla coelebs</i>		chaffinch
238.	<i>Platycercus eximius</i>		eastern rosella

239. *Prunella modularis*
240. *Turdus merula*

dunnock
blackbird

NOTES