

KOROKORO STREAM – UPPER TRUE LEFT BRANCH BELMONT REGIONAL PARK LOWER HUTT

Map: NZTopo50-BQ32 Lower Hutt.

G.P.S. grid reference:

Catchment: Korokoro Stream.

Altitude range: c. 150 m – c. 190 m above sea level.

Landform: steep-sided, narrow valley 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).

Soils: Korokoro-Makara soils. *Soils of Wellington District*. Soil Bureau, D.S.I.R. 1960.

Aspect: East - true right side of valley; West – true left side of valley.

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

Ecological District: Wellington Ecological District 39.01.

Forest classification: regenerating broadleaved forest; planted adventive and non-Wellington native plant communities.

Territorial Local Authority: Hutt City Council.

Tenure: Department of Conservation.

Management: Greater Wellington Regional Council.

Status: Scenic Reserve.

Itinerary: Korokoro Stream - track along true left branch, from the north end of Stratton Street to grid reference c. 584406, near where the track leaves the valley floor and begins to climb towards Middle Ridge.

Lists compiled by Wellington Botanical Society on 7 June 2014 during a four-hour reconnaissance.

Observations

- ⤴ closed-canopy, broad-leaved, regenerating native forest occupies much of the valley floor, and the true right slopes of the valley.
- ⤴ pines have been cleared from the true left side of valley
- ⤴ selaginella is abundant along the track margins
- ⤴ Himalaya honeysuckle shrubs are numerous near the track
- ⤴ browse was seen on karamu
- ⤴ possum sign was seen
- ⤴ tree fuchsia was not recorded
- ⤴ plantings of species which are known to become weedy are a concern, e.g., pūriri, lacebark, kōwhai. Tasmanian blackwood. Karaka, whether self-sown, or planted, should be removed.

Abbreviations

agg. = aggregate

= not naturally occurring in Wellington Ecological District 39.01

(cult) = cultivar

(p) = planted

sp. = species
 subsp. = subspecies
 var = variety

LIST 1: Indigenous Vascular Plants

| Botanical name | Māori name | Common name |
|----------------|------------|-------------|
|----------------|------------|-------------|

Gymnosperm trees

| | | |
|--------------------------|-----------|-----------|
| Dacrycarpus dacrydioides | kahikatea | kahikatea |
|--------------------------|-----------|-----------|

Monocotyledonous trees and shrubs

| | | |
|----------------------|----------|--------------|
| Cordyline australis | tī kōuka | cabbage tree |
| Rhopalostylis sapida | nīkau | nīkau |

Dicotyledonous trees and shrubs

| | | |
|---|--------------|----------------------|
| Aristotelia serrata | makomako | wineberry |
| Beilschmiedia tawa | tawa | tawa |
| Brachyglottis repanda | rangiora | rangiora |
| Carpodetus serratus | putaputawētā | marble leaf |
| Coprosma areolata | | thin-leaved coprosma |
| Coprosma grandifolia | kanono | kanono |
| Coprosma propinqua subsp. propinqua | | a coprosma sp. |
| Coprosma rhamnoides | | a coprosma sp. |
| Coprosma robusta | karamu | karamu |
| Coprosma propinqua x C. robusta | | a coprosma hybrid |
| # Corynocarpus laevigatus | karaka | karaka |
| Geniostoma ligustrifolium var. ligustrifolium | hangehange | hangehange |
| Griselinia littoralis | pāpāuma | broadleaf |
| Griselinia lucida | puka | puka |
| Veronica stricta var. stricta (syn. Hebe stricta var. atkinsonii) | koromiko | koromiko |
| Hedycarya arborea | porokaiwhiri | pigeonwood |
| # Hoheria populnea (p?) | houhere | lacebark |
| Knightia excelsa | rewarewa | rewarewa |
| Laurelia novae-zelandiae | pukatea | pukatea |
| Leptospermum scoparium | mānuka | tea tree |
| Melicytus ramiflorus | māhoe | māhoe |
| Myrsine australis | māpou | red matipo |
| Olearia solandri | takupurenga | coastal daisy |
| Ozothamnus leptophyllus | tauhinu | tauhinu |
| Pennantia corymbosa | kaikōmako | kaikomako |
| Piper excelsum subsp. excelsum | kawakawa | kawakawa |
| Pittoposrum tenuifolium (cult?) | kohuhu | kohuhu |
| Pseudopanax arboreus | whauwhaupaku | five-finger |
| Solanum laciniatum | poroporo | poroporo |
| Sophora microphylla (p) | kōwhai | kōwhai |
| Schefflera digitata | patē | patē |
| Urtica ferox | ongaonga | tree nettle |
| # Vitex lucens (p) | pūriri | pūriri |

Monocotyledonous lianes

Freycinetia banksii

kiekie

kiekie

Dicotyledonous lianes and trailing plants

Metrosideros diffusa

rātā

white rātā

Muehlenbeckia australis

pōhuehue

pōhuehue

Muehlenbeckia complexa

pōhuehue

pōhuehue

Parsonsia heterophylla

kaihua

NZ jasmine

Rubus cissoides

tātarāmoa

bush lawyer

Ferns

Asplenium appendiculatum

subsp. *appendiculatum*

an asplenium sp.

Asplenium bulbiferum

manamana

hen and chickens

Asplenium flaccidum

makawe o Raukatauri

hanging spleenwort

Asplenium gracillimum

an asplenium sp.

Asplenium hookerianum var. *colensoi*

an asplenium sp.

Asplenium hookerianum var. *hookerianum*

an asplenium sp.

Asplenium oblongifolium

huruhuru whenua shining spleenwort

Blechnum chambersii

rereti, nini

lance fern

Blechnum discolor

piupiu

crown fern

Blechnum filiforme

pānako

thread fern

Blechnum fluviatile

kiwakiwa

ray water fern

Blechnum novae-zelandiae

kiokio

kiokio

Cyathea medullaris

mamaku

mamaku

Cyathea smithii

kātote

soft tree fern

Dicksonia fibrosa

whekī-ponga

whekī-ponga

Dicksonia squarrosa

whekī

rough tree fern

Histiopteris incisa

mātātā

water fern

Hypolepis ambigua

raurahi nehenehe

a hypolepis sp.

Hypolepis rufobarbata

a hypolepis sp.

Lastreopsis glabella

smooth shield fern

Lastreopsis velutina

velvet fern

Microsorium pustulatum subsp. *pustulatum*

kōwaowao

hound's tongue fern

Microsorium scandens

mokimoki

fragrant fern

Paesia scaberula

mātā

ring fern

Pellaea rotundifolia

tarawera

round-leaved fern

Pneumatopteris pennigera

pākau roharoha

gully fern

Polystichum neozelandicum subsp. *zerophyllum*

pikopiko

a shield fern sp.

Polystichum oculatum

pikopiko

a shield fern sp.

Polystichum vestitum

pūniu

prickly shield fern

Pteridium esculentum

rārauhe

bracken

Pteris macilenta

titipo

sweet brake

Pyrrosia eleagnifolia

ota

leather leaf fern

Orchids

None recorded

Grasses

None recorded

Sedges

Carex virgata

swamp sedge

Rushes

None recorded

Monocotyledonous herbaceous plants, other than orchids, grasses, sedges, rushes

| | | |
|---------------------|--------------|---------------|
| Astelia fragrans | kakaha | bush flax |
| Astelia solandri | kōwharawhara | perching lily |
| Phormium tenax (p?) | harakeke | swamp flax |

Composite herbaceous plants

| | | |
|-----------------------|----------|-------------------|
| Euchiton audax | | a euchiton sp. |
| Helichrysum filicaule | creeping | everlasting daisy |
| Senecio minimus | | fireweed |

Dicotyledonous herbs, other than composites

| | | |
|------------------------------------|------------|-------------------|
| Acaena anserinifolia | piripiri | bidibid |
| Acaena novae-zelandiae | | red bidibid |
| Cardamine debilis agg. | panapana | NZ bitter cress |
| Centella uniflora | | centella |
| Crassula mataikona | | a crassula sp. |
| Hydrocotyle eleongata | | a hydrocotyle sp. |
| Hydrocotyle moschata var. moschata | | hairy pennywort |
| Leptostigma setulosa | | a leptostigma sp. |
| Lobelia angulata | pānakenake | pratia |
| Oxalis exilis | | yellow oxalis |
| Ranunculus reflexus | māruru | hairy buttercup |
| Stellaria parviflora | kohukohu | NZ chickweed |
| Urtica incisa | ongaonga | scrub nettle |
| Wahlenbergia violacea | | a harebell sp. |

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LIST 2: Adventive Vascular Plants

Gymnosperm trees

None recorded

Dicotyledonous trees and shrubs

| | | |
|-----------------------|--|----------------------|
| Acacia melanoxylon | | Tasmanian blackwood |
| Eucalyptus sp. | | a gum tree sp. |
| Hypericum androsaemum | | tutsan |
| Leycesteria formosa | | Himalaya honeysuckle |
| Ulex europaeus | | gorse |

Dicotyledonous lianes and trailing plants

| | | |
|-----------------------|--|------------|
| Rubus fruticosus agg. | | blackberry |
|-----------------------|--|------------|

Fern allies

| | | |
|------------------------|--|-------------|
| Selaginella kraussiana | | selaginella |
|------------------------|--|-------------|

Grasses

| | | |
|--------------------|--|------------|
| Bromus hordeaceus | | soft brome |
| Dactylis glomerata | | cocksfoot |

Sedges

None recorded

Rushes

| | | |
|----------------|--|-----------|
| Juncus effusus | | soft rush |
|----------------|--|-----------|

Composite herbaceous plants

| | | |
|------------------------|----------|----------------|
| Achillea millefolium | | yarrow |
| Cirsium vulgare | kotimana | Scotch thistle |
| Conyza sumatrensis | | fleabane |
| Erigeron karvinskianus | | Mexican daisy |
| Jacobaea vulgaris | | ragwort |
| Soliva anthemifolia | | Onehunga weed |
| Sonchus oleraceus | pūha | sow thistle |

Dicotyledonous herbaceous plants, other than composites

| | | |
|------------------------|--|------------------------|
| Cedronella canariensis | | balm of Gilead |
| Digitalis purpurea | | foxglove |
| Galium palustre | | marsh bedstraw |
| Geranium robertianum | | herb Robert |
| Lotus pedunculatus | | lotus |
| Parietaria judaica | | pellitory-of-the-wall |
| Plantago lanceolata | | narrow-leaved plantain |
| Ranunculus repens | | creeping buttercup |
| Solanum chenopodioides | | velvet nightshade |
| Stachys sylvatica | | hedge stachys |
| Trifolium sp. | | a clover sp. |
| Urtica urens | | small nettle |
| Vicia sativa | | vetch |

LIST 3: Indigenous Birds

| | | |
|---------------------------------|------------|----------------------|
| Anthornis melanura | korimako | bellbird |
| Gerygone igata | riroriro | grey warbler |
| Rhipidura fuliginosa placabilis | pīwakawaka | North Island fantail |

LIST 4: Adventive Birds

| | | |
|------------------------------|--|---------------------|
| Gymnorhina tibicen tyrannica | | white-backed magpie |
|------------------------------|--|---------------------|
