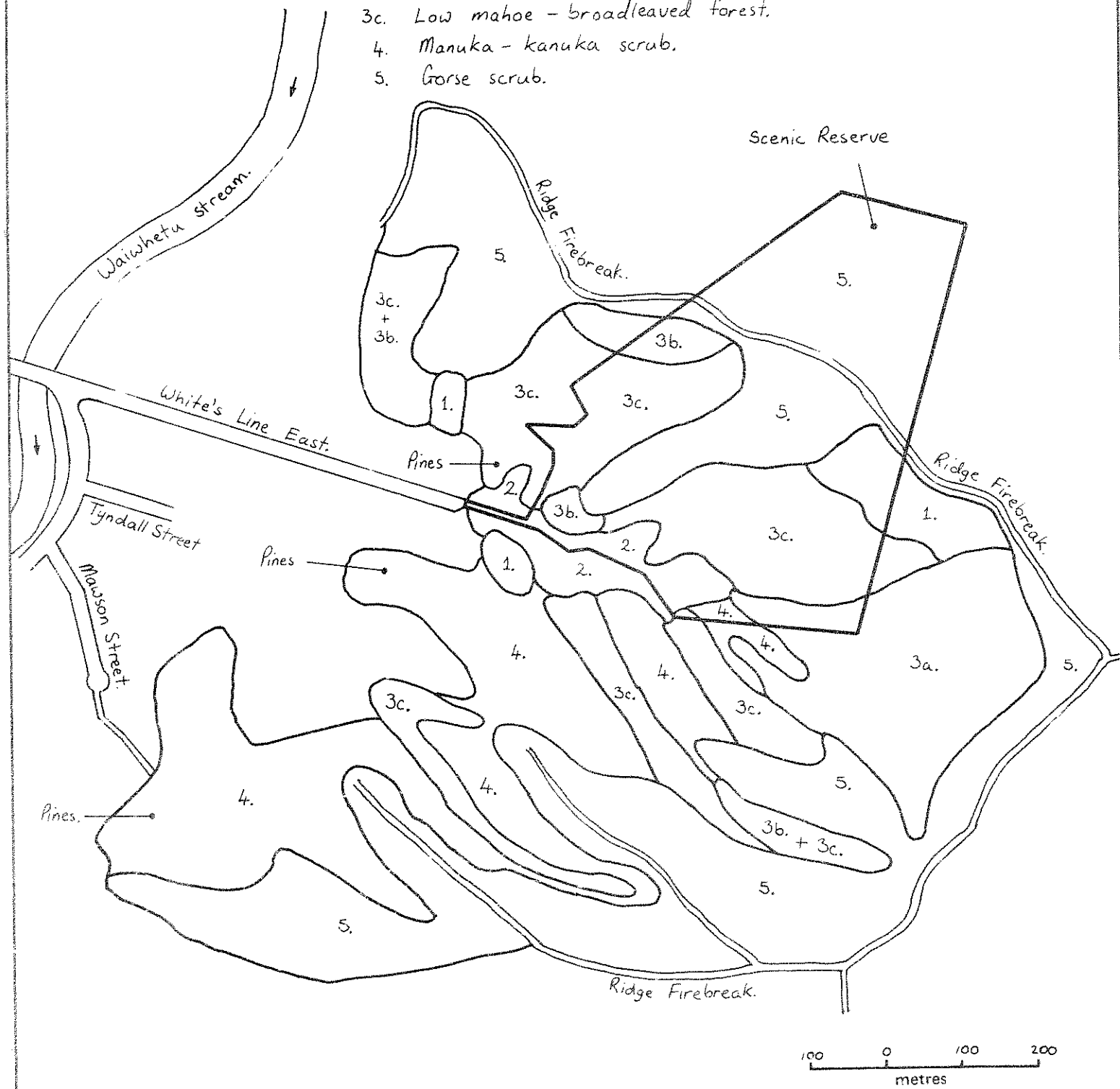


1. Black and hard beech forest.
2. (Bimu - pukatea) / broadleaved spp. forest.
- 3a. Broadleaved scrub.
- 3b. Low kamahi - broadleaved forest.
- 3c. Low mahoe - broadleaved forest.
4. Manuka - kanuka scrub.
5. Gorse scrub.



# Haywards Scenic Reserve

Area: 17.6498 ha



far: <input type="checkbox"/> bush <input checked="" type="checkbox"/> scrub <input checked="" type="checkbox"/> wetland <input type="checkbox"/> plants <input type="checkbox"/> animals <input type="checkbox"/> geology soil <input type="checkbox"/> history <input type="checkbox"/> prohibition <input type="checkbox"/> water supply		GRID REF R 27 716 960
<b>LOCATION</b> On the Eastern Hutt hills, adjacent to Waiwhetu, suburb of Lower Hutt.	<b>ACCESS</b> At the end of Whites Line East.	AREA ha at 17.6 L.D. No. STATUS Scenic RES sub-Cities CONTROL Lower Hutt City Council
<b>OUTLINE &amp; TOPO</b> South facing slopes and valleys of a catchment on the Eastern Hutt Hills.	<b>SURROUNDINGS</b> Secondary scrub on upper slopes of catchment, gorse covered hills to the north. Suburb of Waiwhetu to west.	GAZETTED 1939/311, 1971/1155 RESERVED 1938 HISTORY Gifted to the Crown by H.M. Hayward in 1938. L & S administered reserve until 1957 when it was vested in the L.H.C.C. AIR PHOTO SN 5497 F/12 date 1980
<b>GEOLOGY</b> Greywacke sandstones and argillites.	<b>SPM</b> Strongly weathered greywacke, colluvium and loess deposits.	nearby town 2.5 km Lower Hutt nearest reserve 2.5 km Lowry Bay public road 0 sea (km) 3.0 ALTITUDE m xx 40-200 ASPECT West
<b>SOIL</b> Taita hill; Tawai steepland; Makara hill; Stokes silt loam; Central yellow-brown earths.	<b>DRAINAGE</b> Good on slopes.	RAIN mm xx 1360 (approx) NAT FERTILITY in gullies.

RES				MGT				MAIN HABITATS and FEATURES										% area	area ha	native		ex	region	NAT	trend	exotics	
LD	W	LD	W	LD	W	LD	W									1 <sup>o</sup>	2 <sup>o</sup>	ind									
✓	✓	✓	✓					1. Black and hard beech forest on steep dry slopes.								5.0	0.9	✓	✓			M	H	S	L		
✓	✓	✓	✓					2. (Rimu)-(pukatea)/tawa-hinau-mahoe forest in main valley and gullies.								5.5	0.96	✓	✓			M	H	S	L		
✓	✓	✓	✓					3. Mixed broadleaved scrub and forest																			
								3a. Broadleaved scrub on upper steep slopes.								4.4	0.78	✓	✓			M	M	I	M		
								3b. Kamahi - mixed broadleaved low forest on slopes.								4.1	0.72	✓	✓			H	H	I	M		
								3c. Mahoe - mixed broadleaved low forest on slopes.								33.7	5.93	✓	✓			H	H	I	M		
✓	✓	✓	✓					4. Manuka - kanuka scrub on north facing slopes.								1.4	0.24	✓	✓			H	H	I	M		
✓	✓	✓	✓					5. Gorse scrub on ridges and recently burnt slopes.								45.9	8.08	✓	✓			M	L	I	H		
								1. Areas of secondary pole beech forest with some older trees and an area on the northern boundary of the reserve with mature beech forest on steep, dry slopes. The canopy ranges from 10m-20m tall and the forest has an open understorey with <i>Coprosma lucida</i> , mingimingi and kamahi present. The ground floor vegetation is sparse and consists of ferns, hook grasses and occasional herbs.																			
								2. Small area of original podocarp/broadleaved forest is found in the main valley of the catchment and extends into the north-eastern gullies. There are a few large rimu, miro and pukatea above a canopy of tawa, hinau and mahoe which reaches up to 20m. There is a well developed understorey of mahoe, five finger, rangiora, black tree fern and hangehange. Supplejack and kiekie are common lianas. The ground floor is well covered in ferns, seedlings and litter.																			
								3a. Low mixed broadleaved scrub occupies the uppermost slopes of the main valley. A number of species are present in the canopy, which reaches 6m, including mahoe, kanono, black tree fern, hangehange, karamu, five finger and rangiora. There is little development of the ground floor vegetation except for patches of hound's tongue fern.																			
								3b. Mixed broadleaved forest dominated by kamahi reaching up to 8m occurs on steep, dry slopes and ridges; other species in the canopy include hinau, rewarewa and northern rata.																			
								3c. Mixed broadleaved forest dominated by mahoe reaching up to 8m occurs on moist slopes above the main valley and gullies. Other species in the canopy include lemonwood, five finger, hangehange and black tree fern. There is a well developed understorey of mahoe, black tree fern, hangehange and karamu reaching up to 3m. Hook grass and ferns are common on the ground floor.																			
								4. Mosaic of communities ranging from low manuka scrub with bracken and spanish heath to taller manuka - kanuka scrub and stands of kanuka trees with a well developed understorey of broadleaved species.																			
								5. Dense gorse scrub reaching up to 3m is found on all boundaries of the reserve. Flax is common in the short gorse scrub at the top of the catchment. Litter dominates the ground floor. Wilding pines are common on the lower slopes of the reserve and occur as scattered individuals in the shorter vegetation.																			
																100	17.61										

**CONDITION**  
 Good. Encouraging regeneration of forest species in the reserve and on upper, unreserved slopes.

**FENCING** None.

**PRIORITY** Low.

**RATING 0-10**

**SCIENTIFIC** ...3.

**SCENIC** ...5. Attractive backdrop to Waiwhetu.

**RECREATION** ...6.

**CONCLUSIONS and RECOMMENDATIONS**

The original vegetation has been extensively modified by repeated burning and the reserve now contains a number of seral vegetation types and a few original trees. The regeneration pattern is common to the rest of the Eastern Hutt hills.

Regeneration is proceeding well and if no further fires reach the reserve, forest communities should dominate the upper slopes in 40-50 years.

The reserve boundaries should be extended to include the complete catchment up to the firebreaks.

The present boundary of the reserve and the proposed extensions only cover the lower slopes of the catchment.

<sup>1</sup> NATURALNESS <sup>2</sup> TREND: D deteriorating; S steady; I improving



TREES AND SHRUBS

Native

*Aristotelia serrata*  
*Beilschmiedia tawa*  
*Brachyglottis repanda*  
*Carpodetus serratus*  
*Coprosma grandifolia*  
*C. lucida*  
*C. rhamnoides*  
*C. robusta*  
*Cordyline australis*  
*Coryncarpus laevigatus*  
*Cyathodes juniperina*  
*Dacrydium cupressinum*  
*Dodonaea viscosa*  
*Dysoxylum spectabile*  
*Elaeocarpus dentatus*  
*Fuchsia excorticata*

*Gaultheria antipoda*  
*Geniostoma rupestre* var.  
*Griselinia lucida*  
*Hebe stricta* var. *atkinsonii*  
*Hedycarya arborea*  
*Knightia excelsa*  
*Laurelia novae-zelandiae*  
*Leptospermum ericoides*  
*L. scoparium*  
*Leucopogon fasciculatus*  
*Lophomyrtus bullata*  
*Macropiper excelsum*  
*Melicytus ramiflorus*  
*Metrosideros robusta*  
*Myoporum laetum*  
*Nestegis lanceolata*

*Nothofagus solandri* var. *solandri*  
*N. truncata*  
*Olearia rani*  
*Pennantia corymbosa*  
*Pittosporum eugenioides*  
*Podocarpus dacrydioides*  
 (= *Dacrycarpus dacrydioides*)  
*P. totara*  
*Pseudopanax arboreus*  
*P. crassifolius* (and some planted)  
*Pseudowintera axillaris*  
*Rhopalostylis sapida*  
*Schefflera digitata*  
*Solanum aviculare*  
*Weinmannia racemosa*

Adventive

*Hoheria populnea* (planted)

*Sophora tetraptera* (planted)

*Ulex europaeus*

CLIMBERS, LIANES ETC.

Native

*Clematis paniculata*  
*Freycinetia baueriana* ssp. *banksii*

*Metrosideros fulgens*  
*M. perforata*

*Parsonsia heterophylla*  
*Ripogonum scandens*

Adventive

*Calystegia silvatica*

GRASSES, RUSHES AND LIKE PLANTS

Native

*Carex* sp.  
*Gahnia setifolia*  
*Juncus* sp.

*Rytidosperma* sp.  
*Uncinia angustifolia*

*Uncinia banksii*  
*U. uncinata*

Adventive

*Anthoxanthum odoratum*

*Dactylis glomerata*

*Holcus lanatus*

HERBS

Native

*Acianthus fornicatus*  
~~*Asplenium cirratum*~~ (introduced)  
*Astelia fragrans*  
*A. solandri*  
*Cardamine* sp. (*C. debilis* agg.)  
*Collospermum hastatum*

*Dianella nigra*  
*Drosera peltata* ssp. *auriculata*  
*Earina mucronata*  
*Galium propinquum*  
*Hydrocotyle microphylla*

*Phormium cookianum*  
*Pterostylis alobula*  
*Ranunculus hirtus*  
*Senecio minimus*  
*Thelymitra* sp.

Adventive

*Ajuga reptans*  
*Conyza* sp.  
*Oxalis* sp.

*Prunella vulgaris*  
*Ranunculus repens*  
*Sisyrinchium iridifolium*

*Sonchus oleraceus*  
*Tradescantia fluminensis*

FERNS AND ALLIES

Native

*Adiantum cunninghamii*  
*Alsophila cunninghamii* (= *Cyathea cunninghamii*)  
*A. tricolor* (= *C. dealbata*)  
*Asplenium bulbiferum*  
*A. flaccidum*  
*A. oblongifolium*  
*A. polyodon*  
*Blechnum chambersii*  
*B. discolor*  
*B. filiforme*  
*B. membranaceum*  
*B. sp.* (*B. capense* agg. - common sp.)

*Cardiomanes reniforme*  
*Dicksonia squarrosa*  
*Grammitis billardieri*  
*Hymenophyllum demissum*  
*H. dilatatum*  
*H. flabellatum*  
*H. sanguinolentum*  
*H. scabrum*  
*Lastreopsis hispida*  
*Leptopteris hymenophylloides*  
*Lindsaea trichomanoides*  
*Lycopodium volubile*

*Paesia scaberula*  
*Phymatosorus diversifolius*  
*P. scandens*  
*Pneumatopteris pennigera*  
*Pteridium esculentum*  
*Pteris macilenta*  
*Pyrosia serpens*  
*Sphaeropteris medullaris* (= *Cyathea medullaris*)  
*Tmesipteris* sp.  
*Trichomanes venosum*

Adventive

*Selaginella kraussiana*

BIRDS

bellbird  
 blackbird  
 fantail  
 greywarbler

housesparrow  
 morepork  
 N.Z. pigeon

silvereye  
 tui  
 white-backed magpie

