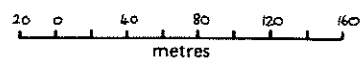
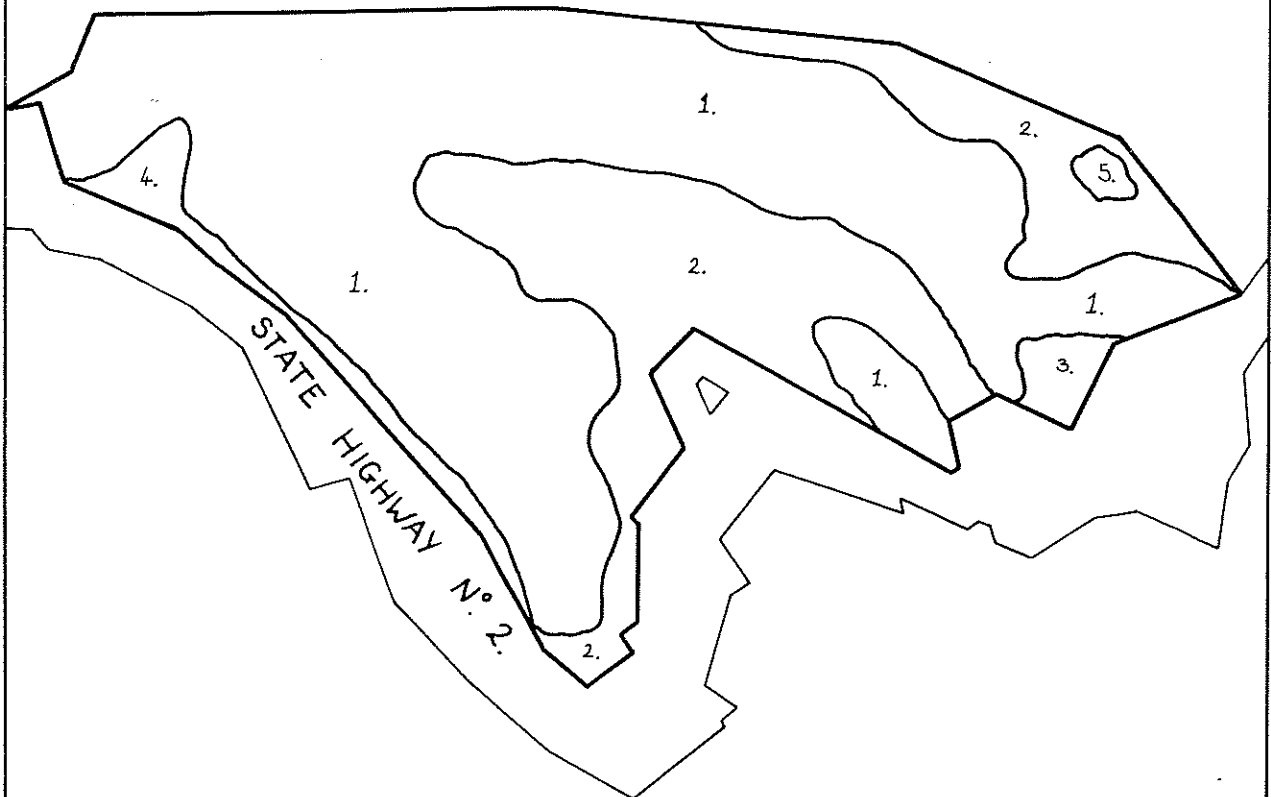


1. Hard beech / (northern rata - kamahi) forest.
2. Manuka - kamahi scrub.
3. Mahoe - pate scrub.
4. Blackberry - bracken scrub - fernland.
5. Pines.



## Mangaroa Hill Scenic Reserve

Area: 12.2637 ha

MANGAROA HILL SCENIC RESERVE						GRID REF N 161 68 462		
for: scenery	✓ bush	✓ scrub/tussock etc	wetland	plants	animals	geology/soil	history/prehistory	water supply
<b>LOCATION</b> Alongside Wellington - Masterton Highway (State Highway No. 2), 41 km north-east of Wellington.						<b>AREA</b> ha/acre 12.2637		
<b>ACCESS</b> From the car parks at the lower and higher ends of the reserve.						<b>L.D. No.</b>		
<b>OUTLINE &amp; TOPO</b> Steep west facing slopes and valleys. Mature beech forest in the valleys and secondary manuka-kamahi scrub on burnt ridges.						<b>STATUS</b> Scenic		
<b>SURROUNDINGS:</b> Te Marua water supply dams to the south west, State Highway 2 on eastern side, hill country to the north being cleared for pine planting.						<b>RES sub-Cities</b>		
<b>GEOLOGY</b> Pleistocene gravel terrace.						<b>CONTROL</b> Upper Hutt City Council		
<b>SPM</b> Loess with aggradation gravels, silts and clay.						<b>GAZETTED</b> 1927/2124, 1955/1599, 1963/185		
<b>SOIL</b> Yellow-brown earth; Kaitoke hill soil.						<b>RESERVED</b> 1927		
<b>DRAINAGE</b> Very good on slopes.						<b>HISTORY</b> Land taken by the Crown for scenic purposes under the provisions of the Public Works Act.		
						<b>AIR PHOTO</b> SN 5497 K/2		
						<b>nearby town</b> .8.2 km Upper Hutt		
						<b>nearest reserve</b> 10 km Whakatiki Scenic		
						<b>public road</b> 0 km		
						<b>see (km)</b> 29		
						<b>ALTITUDE m/ft</b> 170-260		
						<b>ASPECT</b> North west		
						<b>RAIN mm/in</b> 2140 (approx)		
						<b>NAT FERTILITY</b> Low		

RES	NOT	MAIN HABITATS and FEATURES										% area	area ha	native		EX	region	NAT	Trend?	erotic?
		1 <sup>st</sup>	2 <sup>nd</sup>	ind	1 <sup>st</sup>	2 <sup>nd</sup>														
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1. Hard beech (northern rata-kamahi) forest on valley slopes and valley floor
2. Manuka-kamahi scrub on ridges
3. Mahoe-pate scrub on steep slope
4. Blackberry-bracken scrub-fermland
5. Pines

1. Hard beech forest up to 20m tall on valley slopes. Mature specimens over 50cm dbh are common. A few black beech and some terrestrial northern rata up to 14m tall are present on the dry knolls. There is an upper understorey up to 10m of kamahi, toro, rewarewa and black tree fern and a lower understorey around 3m with kanono, five finger, young rimu, rangiora and heketara present. Supplejack and climbing rata species are common. The ground floor is rich in ferns; *Blechnum* spp, filmy ferns, kidney fern and *Lindsaea trichomanoides* are common.

The valley floor supports some wet-loving species notably kahikatea, wheki, swamp maire and kiekie.

A low secondary forest of kamahi and northern rata fringes the edge of the hard beech forest where it abuts the manuka-kamahi scrub. It contains an open understorey with hard beech saplings, *Coprosma rhamnooides* and rangiora up to 2m. The ground floor supports *Blechnum* ferns, hook grasses and *Gahnia setifolia*.

2. Manuka-kamahi scrub from 1-5m tall occurs on the burnt ridge slopes. Five finger, gorse, mingi and a few hard beech saplings also reach the canopy. The understorey is dense in places with clumps of *Gahnia setifolia* and *Blechnum* sp. on steep slopes. On the ridge tops the understorey is more open with *Dianella*, *Lycopodium volubile*, bracken, orchid species and lichens present.
3. Small area on a steep slope below the main highway supporting scrub up to 5m, consisting of mahoe, pate, wineberry, black tree fern, rangiora, koromiko and gorse.
4. Steep slope with a tangle of blackberry, bracken and some emergent shrubs of gorse, mahoe and Scotch broom.
5. Stand of radiata pine.

**CONDITION** Good.

**FENCING** None.

**PRIORITY** Nil.

**RATING 0-10**

**SCIENTIFIC** 4

**SCENIC** 6 Viewed by motorists along SH 2. Backdrop to the Te Marua water supply dams.

**RECREATION** 3 No tracks.

**CONCLUSIONS and RECOMMENDATIONS**

An attractive area of mature hard beech forest and secondary manuka scrub located adjacent to the 'big bend' on State Highway 2. The reserve has been used as a dumping ground for rubbish in the past and some rubbish still remains at the bottom of the slopes.

Land to the north of the reserve is being cleared for pine planting and wilding pines may establish in the secondary manuka scrub in the future.

TREES AND SHRUBS

Native

*Aristotelia serrata*  
*Brachyglottis repanda*  
*Carpodetus serratus*  
*Coprosma areolata*  
*C. rhamnoides*  
*C. robusta*  
*Cyathodes juniperina*  
*Dacrydium cupressinum*  
*Fuchsia excorticata*  
*Gaultheria antipoda*  
*Hebe stricta* var. *atkinsonii*  
*Hedycarya arborea*

*Knightia excelsa*  
*Leptospermum scoparium*  
*Lophomyrtus bullata*  
*Melicytus ramiflorus*  
*Metrosideros robusta*  
*Myrsine salicina*  
*Nothofagus solandri* var. *solandri*  
*N. truncata*  
*Olearis rani*  
*Podocarpus dacrydioides*  
(=*Dacrycarpus dacrydioides*)

*Podocarpus ferrugineus*  
(=*Prumnopitys ferruginea*)  
*P. hallii*  
*Pseudopanax arboreus*  
*P. crassifolius*  
*Pseudowintera axillaris*  
*Schefflera digitata*  
*Syzygium maire*  
*Weinmannia racemosa*

Adventive

*Cytisus scoparius*  
*Ligustrum lucidum*

*Pinus radiata*

*Ulex europaeus*

CLIMBERS, LIANES ETC.

Native

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

*Metrosideros fulgens*  
*M. perforata*  
*Muehlenbeckia australis*

*Ripogonum scandens*  
*Rubus cissoides*

Adventive

*Calystegia silvatica*  
*Clematis vitalba*

*Lonicera japonica*  
*Rubus fruticosus*

*Rubus laciniatus*

GRASSES, RUSHES AND LIKE PLANTS

Native

*Gahnia pauciflora*  
*G. setifolia*  
*Microlaena avenacea*

*Rytidosperma* sp.  
*Uncinia banksii*

*Uncinia uncinata*  
*U. zotovii*

Adventive

*Agrostis tenuis*  
*Festuca arundinacea*  
*Holcus lanatus*

*Juncus bufonis*  
*Lolium perenne*

*Vulpia bromoides*

HERBS

Native

*Caladenia catenata*  
*Corybas oblongus*  
*Dendrobium cunninghamii*  
*Dianella nigra*

*Drosera peltata* ssp. *auriculata*  
*Earina mucronata*  
*Euphrasia cuneata*

*Prasophyllum nudum*  
*Pterostylis graminea*  
*Thelymitra longifolia*

Adventive

*Achillea millefolium*  
*Brassica rapa*  
*Digitalis purpurea*  
*Foeniculum vulgare*  
*Galium aparine*  
*Lathyrus latifolius*

*Matricaria inodora*  
*Parentucellia viscosa*  
*Plantago lanceolata*  
*Ranunculus repens*  
*Rumex obtusifolius*

*Sonchus asper*  
*S. oleraceus*  
*Spergula arvensis*  
*Trifolium repens*  
*Vicia sativa*

FERNS AND ALLIES

Native

*Asplenium flaccidum*  
*A. polyodon*  
*Blechnum discolor*  
*B. sp.* (capense agg.)  
*B. sp.* (minus sensu Allan)  
*Cardiomanes reniforme*  
*Ctenopteris heterophylla*  
*Dicksonia squarrosa*

*Grammitis billardieri*  
*G. ciliata*  
*Hymenophyllum bivalve*  
*H. dilatatum*  
*H. flabellatum*  
*H. sanguinolentum*  
*H. scabrum*  
*Leptopteris hymenophylloides*

*Lindsaea linearis*  
*L. trichomanoides*  
*Lycopodium scariosum*  
*L. volubile*  
*Pneumatopteris pennigera*  
*Polystichum richardii*  
*Pteridium esculentum*  
*Pyrrhosia serpens*

# Scenic Reserves of the Lower North Island

A BOTANICAL SURVEY OF SCENIC AND ALLIED RESERVES  
OF WELLINGTON, HOROWHENUA AND WAIRARAPA.

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Biological Survey of Reserves Series No. 14

ISSN 0111-0438

Prepared for and published by  
Department of Lands and Survey  
Head Office, Private Bag,  
Wellington New Zealand  
1986