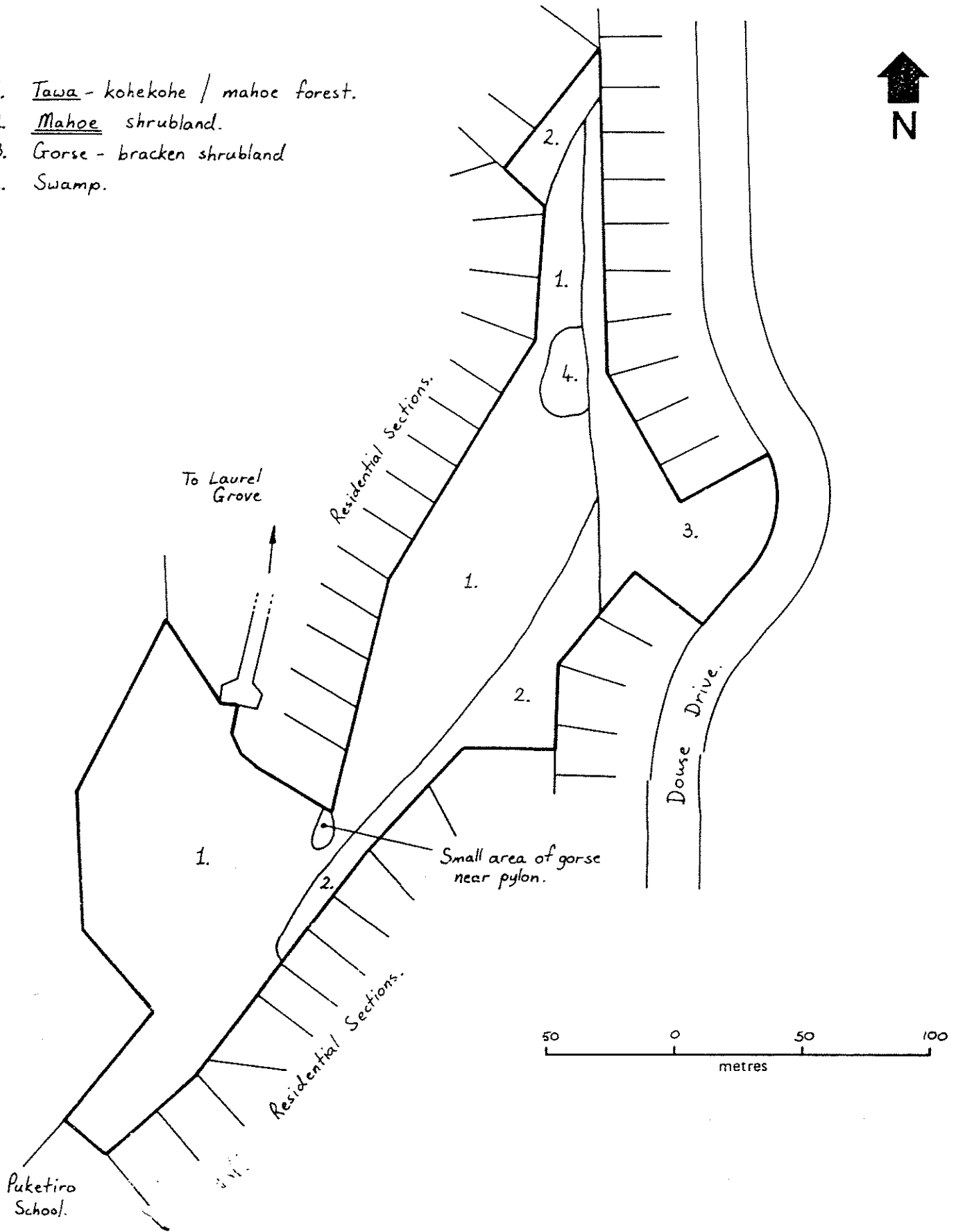


1. Tawa - kohekohe / mahoe forest.
2. Mahoe shrubland.
3. Gorse - bracken shrubland
4. Swamp.



# Holdaway Scenic Reserve

Area: 2.9134 ha



HOLDAYWAY SCENIC RESERVE		GRID REF R27 674 983																																																																															
for: scenery <input checked="" type="checkbox"/> bush <input checked="" type="checkbox"/> scrub/tussock etc <input type="checkbox"/> wetland <input type="checkbox"/> plants <input type="checkbox"/> animals <input type="checkbox"/> geology/soil <input type="checkbox"/> history/prehistory <input type="checkbox"/> water supply <input type="checkbox"/>																																																																																	
LOCATION Between Dowse Drive, Holly Grove and Laurel Grove, Maungaraki		AREA ha/ac 2.91																																																																															
ACCESS From Dowse Drive.		L.D. No. STATUS Scenic RES sub-Cities																																																																															
OUTLINE & TOPO Two steep gullies and unstable slopes, clothed in remnant tawa-kohekohe forest and secondary shrubland.		CONTROL Lower Hutt City Council																																																																															
SURROUNDINGS Suburb of Maungaraki on three sides, remnant tawa-kohekohe forest in gully between Holdaway and Percy Scenic Reserve.		GAZETTED 1976/1841 RESERVED HISTORY Gully unable to be used for housing sub-division reserved for scenic qualities.																																																																															
GEOLOGY Shattered greywacke		AIR PHOTO SN 5497 E/9 date 1980																																																																															
SPM Greywacke colluvium and stream alluvium		nearby town 3 km Lower Hutt nearest reserve .0.8 km Percy Scenic public road 0 sea (km) 2																																																																															
SOIL Makara hill soil		ALTITUDE m/ft 152																																																																															
DRAINAGE Good		ASPECT South-west RAIN mm/yr (approx) 1290 NAT FERTILITY Medium																																																																															
RES NOT		MAIN HABITATS and FEATURES																																																																															
<table border="1"> <tr> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </table>		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">% area</th> <th rowspan="2">area ha</th> <th colspan="2">native</th> <th rowspan="2">ex</th> <th rowspan="2">regen</th> <th rowspan="2">NAT</th> <th rowspan="2">TREND</th> <th rowspan="2">exotics</th> </tr> <tr> <th>1°</th> <th>2°</th> </tr> </thead> <tbody> <tr> <td>1. Tawa - kohekohe/mahoe forest in steep gullies.</td> <td>76.5</td> <td>2.2</td> <td>✓</td> <td>✓</td> <td></td> <td>M</td> <td>H</td> <td>S</td> <td>L</td> </tr> <tr> <td>2. Secondary mahoe shrubland on colluvial slopes.</td> <td>10</td> <td>0.3</td> <td></td> <td>✓</td> <td></td> <td>H</td> <td>H</td> <td>I</td> <td>M</td> </tr> <tr> <td>3. Gorse-bracken shrubland.</td> <td>12</td> <td>0.35</td> <td></td> <td>✓</td> <td>✓</td> <td>M</td> <td>L</td> <td>I</td> <td>H</td> </tr> <tr> <td>4. Aquatic weeds in swampy area.</td> <td>1.4</td> <td>0.04</td> <td></td> <td>✓</td> <td>✓</td> <td>H</td> <td>L</td> <td>S</td> <td>H</td> </tr> <tr> <td colspan="2"></td> <td>99.9</td> <td>2.89</td> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% area	area ha	native		ex	regen	NAT	TREND	exotics	1°	2°	1. Tawa - kohekohe/mahoe forest in steep gullies.	76.5	2.2	✓	✓		M	H	S	L	2. Secondary mahoe shrubland on colluvial slopes.	10	0.3		✓		H	H	I	M	3. Gorse-bracken shrubland.	12	0.35		✓	✓	M	L	I	H	4. Aquatic weeds in swampy area.	1.4	0.04		✓	✓	H	L	S	H			99.9	2.89						
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CONDITION Fair - some regeneration of canopy and understorey species although few tawa saplings present. Some canopy trees show wind damage. Encouraging broadleaved spp. regeneration on cleared slopes.																																																																																	
FENCING None.																																																																																	
PRIORITY Nil.																																																																																	
RATING 0-10																																																																																	
SCIENTIFIC .....4																																																																																	
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RECREATION .....1 Little used by residents. Swampy area potentially lethal to young children.																																																																																	
CONCLUSIONS and RECOMMENDATIONS A small remnant of tall forest in 2 steep, unstable gullies with associated secondary shrublands on slopes.																																																																																	
The reserve is little used for recreation by the residents. Many would appear to be unaware that it is a scenic reserve. Household and garden rubbish is common on the slopes below the houses of Dowse Drive and Holly Grove. A child's treehouse has been built in a large tawa and there is evidence of recent felling of three mature nikau palms.																																																																																	
A track could be developed running the length of the reserve; this could encourage the residents to use and take better care of the reserve. The swampy area would have to be made safe if children are to use the area. Signposts and easy access into the reserve are needed.																																																																																	
Reserve should be extended to include all the forest in the gully to the south which would unite Holdaway Scenic Reserve with Percy Scenic Reserve.																																																																																	

REFERENCES

area	SUMMARY	HABITATS													pollution	access	ORGANISMS	INFER				OBSERVED									
		large	small	several	fill/cut/stable	overhang	emergent	herbaceous	cliff	rock	stony	S-shingle	mud	organic				rubbish	eutrophic	foot	boat	car	N	S	M	R	L	M	H	initials	
70.5 22	tall conifer <sup>1</sup> forest/trams	WATER / SHORE															a - adjoins reserve														
	conifer <sup>1</sup> forest/trees	a - adjoins reserve																higher native plants	2L												
	beech forest/trams	sw/lw coast																lower plants													
	BL <sup>1</sup> forest/trees	sw/lw beach																exotic plants	40												
	scrub/shrubs < 6m	sw/lw estuary																exotic plants													
	tall tussocks/grassland	sw/lw rockpool																in native grass													
	short tussocks/grassland	lake 120m +																higher freshwater plants													
	grassland/grasses	pool/tern																lower freshwater plants													
	sedgeland/odgys	river 5m +																native mammals													
	rushland/rushes/raupo	stream																native birds													
	herbland/herbs	spring/seepage																introduced birds													
	"tussock" herbland <sup>4</sup>																	waterfowl s.l.													
	fernland/ferns																	introduced waterfowl													
	"moza" land																	reptiles													
	bracken																	native/introduced amphibia													
✓	exotic grassland	MAMMALS													fw native fish																
	exotic herbland/wandland	cattle													fw introduced fish																
	exotic scrub/shrubs	sheep													fw invertebrates																
	exotic forest/trams	horse													terrestrial invertebrates																
	introduced "native" cover	deer group													saltwater life																
1.4	dog/swamp/puddle														OTHER FACTORS IN RESERVE																
	marsh sw/lw	(access)													to S M adj													N L M H adj			
	mudflat sw/lw	signpost													hut													natives			
	bluff/rocks	clear entry													local ranger													planting of "natives"			
	bluffs/rocks in bush	car													horrow pit													exotics			
	waterfall	4wd													mine													troublesome plants			
	cave/gorge	path													road													stock in reserve			
	gravel habitat/screa	marked track													building													nett animal damage			
	dune/sand	rough track													pylon													degree used			
	limstone	paper road													pole													litter rubbish			
	ultrabasics	boat													pipeline water													heavy rubbish			
	geological site	no obvious													cut strip													casual cutting			
	breeding ground	no legal													clearing-spot													logging			
	rare/interesting animals														clearing-extensive													unnatural drainage - wet			
	rare/interesting plants														translator etc													unnatural drainage - dry			
historic site	(general)													other works													accelerated erosion				
historic building	reserve notice													water													topdressing risk				
prehistoric site	information notice													grazing lease													burnt < 25 years				
camp /midden/pits	plant labels													other lease													burnt > 25 years				
terraces/earthworks	picnic + water																										fire risk				
burial/topu	ditto + car																														
99.9	boating													unnatural noise																	
														visual pollution																	

<sup>1</sup> tall conifer: kahikatea, kauri, matai, miro, rimu, totara    <sup>2</sup> remaining 11 tree-sized spp    <sup>3</sup> broadleaved    <sup>4</sup> e.g. flax    <sup>5</sup> incl. rough grassland, pasture etc.

Indicator sp? but not T.P.

TREES AND SHRUBS

Native

Aristotelia serrata  
Beilschmiedia tawa  
Brachyglottis repanda  
Carpodetus serratus  
Cassinia leptophylla  
Coprosma grandifolia  
C. robusta  
Corynocarpus laevigatus  
Dysoxylum spectabile

Fuchsia excorticata  
Geniostoma rupestre var.  
Griselinia lucida  
Hebe stricta var. atkinsonii  
Hedycarya arborea  
Knightia excelsa  
Laurelia novae-zelandiae  
Lophomyrtus bullata  
Macropiper excelsum

Melicytus ramiflorus  
Myrsine australis  
Podocarpus ferrugineus  
(= Prumnopitys ferruginea)  
Pseudopanax arboreus  
P. crassifolius  
Rhopalostylis sapida  
Schefflera digitata  
Weinmannia racemosa

Adventive and Planted

Berberis glaucocarpa  
Cytisus scoparius  
Hoheria populnea  
Myoporum tasmanicum

Pittosporum eugenioides  
~~P. tenuifolium~~  
Podocarpus totara

Pseudopanax laetus  
Salix sp.  
Ulex europaeus

CLIMBERS, LIANES ETC.

Native

Clematis paniculata  
Freycinetia baueriana ssp. banksii  
Metrosideros diffusa

Metrosideros fulgens  
~~Muehlenbeckia australis~~  
M. complexa

Parsonsia heterophylla  
Ripogonum scandens

Adventive

Lathyrus latifolius

Leycesteria formosa

Rubus fruticosus agg.

GRASSES, RUSHES AND LIKE PLANTS

Native

Carex flagellifera  
Cyperus ustulatus

Juncus gregiflorus  
Scirpus prolifer (=Isolepis prolifer)

Scirpus reticularis (=Isolepis reticularis)

Adventive

Agrostis tenuis  
Dactylis glomerata

Glyceria declinata  
Holcus lanatus

Juncus articulatus

HERBS

Native

Astelia solandri  
Collospermum hastatum

Earina autumnalis  
Phormium tenax (planted)

Stellaria parviflora

Adventive

Allium triquetrum  
Angelica geniculata  
Brassica rapa  
Cardamine sp.  
Cirsium vulgare  
Conyza sp.  
Cryptostemma calendula  
Digitalis purpurea  
Foeniculum vulgare  
Fumaria muralis

Galium aparine  
Geranium robertianum  
Mimulus guttatus  
Nasturtium microphyllum  
Plantago lanceolata  
Polygonum aviculare agg.  
Prunella vulgare  
Ranunculus repens  
Rumex obtusifolius

Senecio jacobea  
S. sp. (S. cineraria cv.)  
Solanum nigrum  
Sonchus oleraceus  
Stellaria media  
Tradescantia fluminensis  
Vicia sativa  
Vinca major  
Zantedeschia aethiopica

FERNS

Native

Alsophila tricolor (=Cyathea dealbata)  
Asplenium bulbiferum  
A. flaccidum  
A. oblongifolium  
A. polyodon  
Blechnum chambersii  
B. filiforme  
B. sp. (B. capense agg.)  
(common sp.)

Dicksonia squarrosa  
Histiopteris incisa  
Hymenophyllum demissum  
Lastreopsis glabella  
L. hispida  
Paesia scaberula  
Phymatosorus diversifolius  
P. scandens

Pneumatopteris pennigera  
Polystichum richardii  
Pteridium esculentum  
Pteris macilenta  
Pyrosia serpens  
Sphaeropteris medullaris  
(Cyathea medullaris)  
Trichomanes venosum

BIRDS

blackbird  
fantail  
greywarbler

house sparrow  
silvereye  
songthrush

starling  
white-backed magpie

