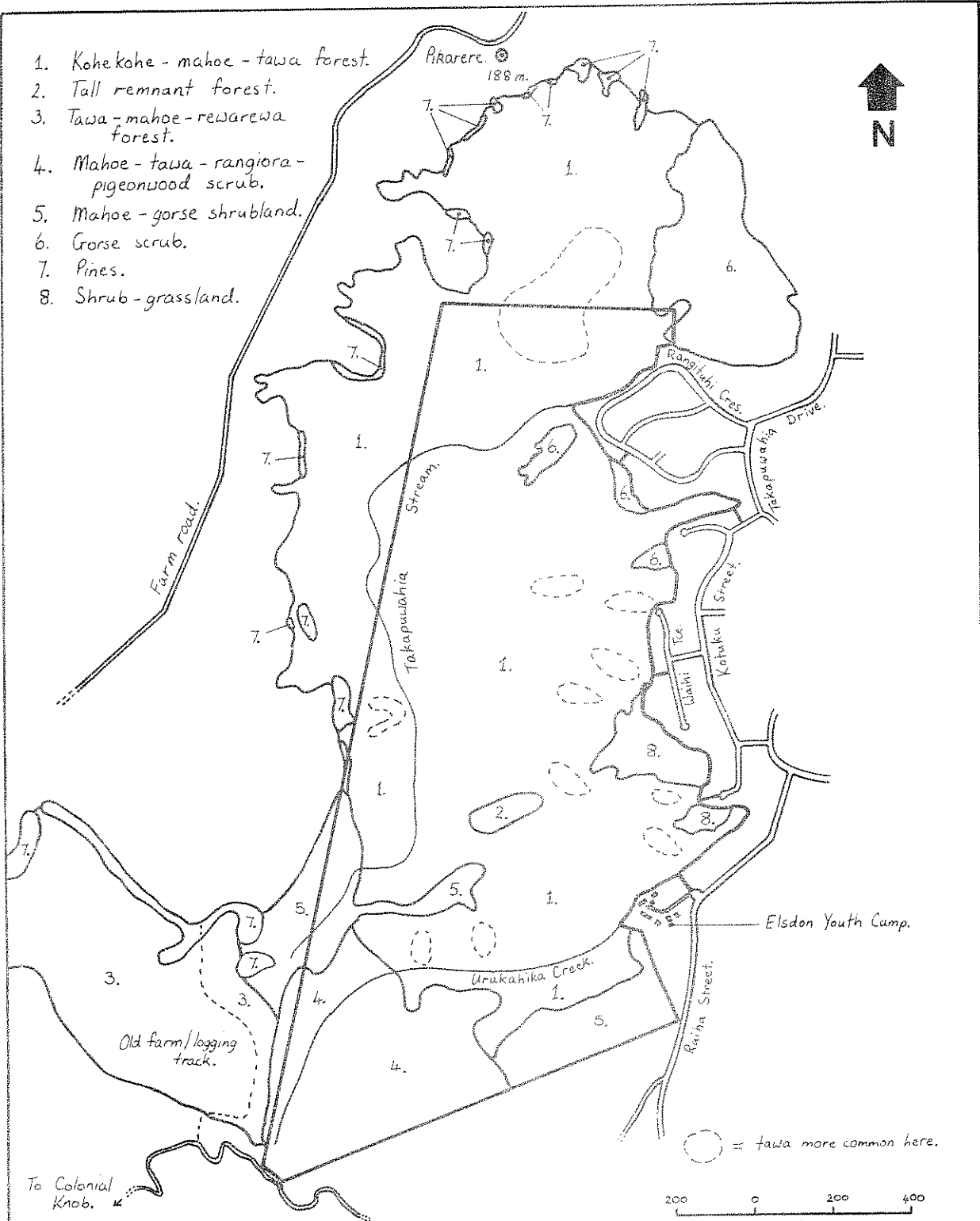


1. Kohokohe - mahoe - tawa forest.
2. Tall remnant forest.
3. Tawa - mahoe - rewarewa forest.
4. Mahoe - tawa - rangiora - pigeonwood scrub.
5. Mahoe - gorse shrubland.
6. Gorse scrub.
7. Pines.
8. Shrub - grassland.



## Porirua Scenic Reserve

Area: 156.1707 ha

PORIRUA SCENIC RESERVE		GRID REF R 27 625034 - 630076	
for: scenery <input checked="" type="checkbox"/> bush <input checked="" type="checkbox"/> scrub/rustack etc <input type="checkbox"/> wetland <input type="checkbox"/> plants <input type="checkbox"/> animals <input type="checkbox"/> geology/min <input type="checkbox"/> history/prehistory <input type="checkbox"/> water supply <input type="checkbox"/>		AREA ha/m <sup>2</sup> 156.1707	
<b>LOCATION</b> On hill slopes behind Elsdon, a suburb of Porirua City.		I. D. No.	
<b>ACCESS</b> Off Raiha Street, Aparangi Cres., Waiho Terrace and Ngahue Cres.		STATUS Scenic	
<b>OUTLINE &amp; TOPO</b> Moderately steep hill slopes with streambed gullies on the western side of Porirua City.		RES sub-Cttee Porirua City Council	
<b>SURROUNDINGS</b> Farmland to west, Colonial Knob Scenic Reserve to south, suburb of Elsdon to east.		GAZETTED 1971/181 and 2906, 1972/1330	
<b>GEOLOGY</b> Greywacke		RESERVED 1960	
<b>SPM</b> Greywacke colluvium; in situ rock; some loess and solifluction deposits.		HISTORY Land originally held by MWD for scenic reserve purposes as part of the Porirua Basin Development Scheme. Formerly known as Elsdon Bush.	
<b>SOIL</b> Korokoro hill soils, Makara steepland soils - central yellow-brown earths.		AIR PHOTO SA 5497 B/5 date 9.9.80	
<b>DRAINAGE</b> Good.		nearby town 0.5 km Porirua	
		nearest reserve 0.2 km Colonial Knob Scenic Reserve	
		public road 0 km	
		see (km) 3.5	
		ALTITUDE m/ft 0-150	
		ASPECT North-east	
		RAIN mm/year 1030 (approx)	
		RAT FERTILITY Medium - low	

RES	HOT	MAIN HABITATS and FEATURES	% area	area ha	native		ex	regen	MAT	Trend	status
					sp	2 <sup>nd</sup> ind					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1. Kohokohu - mahoe - tawa forest on lower hill slopes and ridges.	77.2	120.4	✓	✓		M	H	S	L
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2. Tall remnant forest on steep gully.	0.4	0.6	✓	✓		M	H	S	L
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3. Tawa - mahoe - rewarewa - (miro) forest on ridge (most outside present reserve boundary).	2.3	3.6	✓	✓		M	H	S	L
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4. Mahoe - tawa - rangiora - pigeonwood scrub on upper slopes.	12.2	19.1	✓	✓		M	H	S	L
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5. Mahoe - gorse shrubland.	3.8	5.9	✓	✓		M	H	S	L
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6. Gorse scrub on hill slopes.	1.2	1.9	✓	✓		M	H	S	L
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7. Pines.	-	-	✓	✓		L	L	S	M
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8. Grassland with scrub regeneration.	2.9	4.5	✓	✓		H	M	I	M
		1. Mosaic of primary and secondary forest dominated by kohokohu and mahoe reaching up to 15m. Tawa occurs scattered in the canopy of the main forest type but also as the canopy dominant on some ridges and south facing slopes (L <sub>2</sub> ). Other species occurring in the canopy include pukatea, five finger, black tree fern, rewarewa, kaikomako and nikau. There is a well developed understorey from 1-5m with rangiora, mahoe, kawakawa, red matipo, Coprosma grandifolia, hangehange and Coprosma rhomboides common. The ground floor contains a well developed fern flora along with sedges and occasional herbaceous plants. Climbers and epiphytes are common.									
		2. Small area of tall pukatea/mahoe - tawa forest in a gully and tall rimu and rewarewa on the slopes. The emergent old trees reach 30m in height.									
		3. Low forest of tawa - mahoe - rewarewa with occasional miro reaching up to 6m occurs on the upper slope and ridge above the present reserve boundary. The understorey reaching up to 4m consists of shrubs and young trees of Griselinia littoralis, toro, Pseudowintera axillaris, Smith's tree fern, pigeonwood and rangiora. The ground floor is quite sparse but clumps of Blechnum filiforme and hound's tongue fern are present. Supplejack is common throughout.									
		4. Wind exposed scrub of mahoe, tawa, rangiora, pigeonwood is found on the upper slopes of the reserve. The vegetation is regenerating after previous forest clearance and areas of reverting pasture are still present. Other species common in this scrub include red matipo, Coprosma grandifolia, rewarewa, Metrosideros fulgens, Coprosma rhomboides and marbl.									
		5. Secondary mahoe - gorse shrubland. Establishing shrubs of mahoe and other broadleaved shrubs in gorse canopy. Tawa and ngao are conspicuous on the periphery.									
		6. Young dense growth of gorse on hill slopes which suffer from frequent fires.									
		7. Stands of Pinus radiata have been planted as a shelterbelt on the northern and eastern sides of the forest.									
		8. Grassland and cocksfoot, Yorkshire fog and perennial rye with mahoe - tawa - ngao regeneration in gully. There is a small area of manuka and bracken and some forest remnants at the toe of the slope.									
			100.0	156.0							

**CONDITION**  
Good.

**FENCING**  
Well fenced on southern boundary. There is a good fence at the western end of the bush above the present reserve boundary.

**PRIORITY**  
Low.

**RATING 0-10**

**SCIENTIFIC** ..9..

**SCENIC** ..5..

**RECREATION** ..7..

**CONCLUSIONS and RECOMMENDATIONS**

This reserve along with the adjacent Colonial Knob Scenic Reserve, preserves a significant area of native bush in the Tawa-Porirua Basin. The reserve consists in large part of mainly second growth vegetation following timber milling and forest burning late last century.

The reserve boundaries do not follow any natural features and the reserve should be extended to include the upper slopes and top ridge at the western boundary and also to include all the forest in the valley to the north of the reserve. The northern extension would preserve a small area of tall kanuka forest with advanced regeneration of mahoe and kohokohu and an area of regenerating totara and rimu forest.

REFERENCES

%	SUMMARY	HABITATS	OTHER FACTORS IN RESERVE															ORGANISMS		INFER		OBSERVED											
			large	small	several	hill/cut/stane	overhang	emergent	herbact.	cliff	rock	stony	+shingle	mud	organic	rocks	entrails	flat	high	car	veg	substrate	pool	Utter	across	a = adjoins reserve	N	S	M	H	L	M	H
	tall conifer <sup>1</sup> forest/trees	<b>WATER / SHORE</b> a = adjoins reserve																								higher native plants	193						
	conifer <sup>2</sup> forest/trees	sw/w coast																								lower plants							
	beach forest/trees	sw/w beach																								exotic plants	48						
79.9	BL <sup>3</sup> forest/trees	sw/w estuary																								bush							
	scrub/shrubs <5m	sw/w rockpool																								exotic plants							
15.0	tall tussocks/grassland	lake 120m +																								in native							
	short tussocks/grassland	pool/tern																								grass							
	grassland/grasses	river 5m +																								higher freshwater plants							
	sedges/sedges	stream																								lower freshwater plants							
	rushland/rushes/raupo	spring/seepage																								native mammals							
	herbland/herbs																									native birds							
	"tussock" herbland <sup>4</sup>																									introduced birds							
	termland/ferns																									waterfowl s.l.							
	"grass" land																									introduced waterfowl							
	bracken																									reptiles							
		<b>MAMMALS</b>																								native/introduced amphibie							
		cattle																								fw native fish							
		sheep																								fw introduced fish							
		horse																								fw invertebrates							
		goat group																								terrestrial invertebrates							
		wallaby																								saltwater life							
		cat ††																															
		possum																															
		here																															
		rabbit																															
		stoat group †																															
		ret-norway																															
		ret-chip †																															
		mouse †																															
		† throughout country - assume present unless 'none' ticked																															
		†† throughout much of country - probably present																															
	bag/swamp/pekihi																																
	marsh sw/w																																
	outlet sw/w																																
	sluff/rocks																																
	bluffs/rocks in bush																																
	waterfall																																
	cave/gorge																																
	grave/ habitat/ scree																																
	duns/sand																																
	marked track																																
	rough track																																
	paper road																																
	geological site																																
	breeding ground																																
	rare/interesting animals																																
	rare/interesting plants																																
	historic site																																
	historic building																																
	prehistoric site																																
	camp /midden/pits																																
	terrace/earthworks																																
	burial/tapu																																
100.0																																	

<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

Alectryon excelsus  
Aristotelia serrata  
Beilschmiedia tawa  
Brachyglottis repanda  
Carmichaelia arborea  
Carpodetus serratus  
Cassinia leptophylla  
Coprosma areolata  
C. crassifolia  
C. foetidissima  
C. grandifolia  
C. lucida  
C. propinqua  
C. rhamnoides  
C. robusta  
C. rotundifolia  
C. propinqua X C. robusta  
Corynocarpus laevigatus  
Dacrydium cupressinum  
Dysoxylum spectabile  
Elaeocarpus dentatus  
E. hookerianus  
Fuchsia excorticata

Geniostoma rupestre var.  
Griselinia littoralis  
G. lucida  
Hebe stricta var. atkinsonii  
Hedycarya arborea  
Knightia excelsa  
Laurelia novae-zelandiae  
Leptospermum scoparium  
Lophomyrtus bullata  
Macropiper excelsum  
Melicope ternata  
Melicytus ramiflorus  
Meterosideros robusta  
Mida salicifolia  
Myoporum lactum  
Myrsine australis  
M. salicina  
Nestegis cunninghamii  
N. lanceolata  
Olearia paniculata  
O. rani  
O. solandri

Paratrophis banksii  
P. microphylla  
Pennantia corymbosa  
Pittosporum cornifolium  
P. tenuifolium  
Podocarpus dacrydioides  
(=Dacrycarpus dacrydioides)  
Podocarpus ferrugineus  
(=Prumnopitys ferruginea)  
Podocarpus spicatus  
(=Prumnopitys taxifolia)  
Podocarpus totara  
Pomaderris phyllicifolia  
Pseudopanax arboreus  
P. crassifolius  
Pseudowintera axillaris  
Rhopalostylis sapida  
Schefflera digitata  
Solanum aviculare  
S. laciniatum  
Sophora microphylla ✓

Adventive

Crataegus monogyna

Solanum pseudocapsicum

Ulex europaeus

CLIMBERS, LIANES ETC.

Native

Clematis forsteri  
C. paniculata  
Freycinetia baueriana ssp. banksii  
Metrosideros diffusa  
M. fulgens

Metrosideros perforata  
Muehlenbeckia australis  
M. complexa  
M. australis X M. complexa  
Passiflora tetrandra

Parsonia capsularis  
P. heterophylla  
Ripogonum scandens  
Rubus cissoides

Adventive

Calystegia silvatica  
Lonicera japonica

Rubus fruticosus  
Senecio angulatus

Senecio mikanoides

GRASSES, RUSHES AND LIKE PLANTS

Native

Carex dissita  
C. flagellifera  
C. forsteri  
C. geminata  
C. lambertiana  
C. secta  
C. virgata  
C. sp.  
Cortaderia toetoe

Juncus australis  
J. pallidus  
J. planifolius  
J. sarophorus  
Microsma avenacea  
M. stipoides  
Rytidosperma racemosa  
R. unarede  
Schoenus maschalinus

Cyperus ustulatus  
Eleocharis acuta  
Gahnia pauciflora  
Scirpus prolifer (=Isolepis prolifer)  
S. reticularis (=I. reticularis)  
Uncinia banksii  
U. scabra  
U. uncinata  
U. sp.

Adventive

Anthoxanthum odoratum  
Bromus diandrus  
B. mollis

Dactylis glomerata  
Glyceria fluitans  
Holcus lanatus

Lolium multiflorum  
L. perenne

HERBS

Native

Acena anserinifolia  
Astelia fragrans  
A. solandri  
Callitriche stagnalis  
Cardamine sp. (C. debilis agg.)  
Centella uniflora  
Collospermum hastatum  
Dichondra repens  
Erina autumnalis  
E. mucronata

Epilobium rotundifolium  
Geranium sp.  
Helichrysum sp.  
Hydrocotyle americana  
H. moschata  
Libertia grandiflora  
Nertera depressa  
Oxalis sp.  
Parietaria debilis  
Pseudognaphalium luteo-album

Pterostylis banksii  
P. graminea  
Ranunculus hirtus  
Raoulia giabra  
Senecio hispidulus  
S. minimum  
Stellaria parviflora  
Thelymitra sp.  
Urtica incisa  
Wahlenbergia marginata

Adventive

Achillea millefolium  
Aster subulatus  
Brassica rapa  
Carduus tenuiflorus  
Cerastium fontanum  
Cirsium vulgare  
Conyza 'floribunda'  
Daucus carota  
Digitalis purpurea  
Galium aparine  
Geranium molle  
G. robertianum

Gnaphalium sp.  
Hypochoeris radicata  
Linum marginale  
Nasturtium officinale  
Orobanche minor  
Oxalis sp.  
Plantago lanceolata  
P. major  
Rumex acetosella  
R. obtusifolius

Sisymbrium officinale  
Solanum nigrum  
S. tuberosum  
Sonchus asper  
S. oleraceus  
Tradescantia fluminensis  
Trifolium pratense  
T. repens  
Vicia sativa

FERNS AND ALLIES

Native

*Adiantum cunninghamii*  
*Alsophila cunninghamii* (= *Cyathea cunninghamii*)  
*A. smithii* (= *C. smithii*)  
*A. tricolor* (= *C. dealbata*)  
*Anarthropteris lanceolata*  
*Arthropteris tenella* ✓  
*Asplenium bulbiferum*  
*A. flabellifolium*  
*A. flaccidum*  
*A. hookerianum*  
*A. oblongifolium*  
*A. polyodon*  
*A. bulbiferum* X *A. hookerianum*  
*A. bulbiferum* X *A. flaccidum*  
*Blechnum chambersii*  
*B. discolor*  
*B. filiforme*  
*B. fluviatile*  
*B. membranaceum*

*Blechnum minus*  
*B. penna-marina*  
*B. vulcanicum*  
*B. sp.* (common sp. aff. *B. capense*)  
*Cardiomanes reniforme*  
*Dicksonia squarrosa*  
*Grammitis billardieri*  
*Histiopteris incisa*  
*Hymenophyllum demissum*  
*H. dilatatum*  
*H. sanguinolentum*  
*Hypolepis tenuifolia*  
*Lastreopsis glabella*  
*L. hispida*  
*L. microsora* ssp. *pentangularis*  
*L. velutina*  
*Leptolepia novae-zelandiae*  
*Leptopteris hymenophylloides*  
*Lycopodium varium*

*Lycopodium volubile*  
*Paesia scaberula*  
*Pellaea rotundifolia*  
*Phymatosorus diversifolius*  
*P. scandens*  
*Folystichum richardii*  
*P. sylvaticum*  
*P. vestitum*  
*Pneumatopteris pennigera*  
*Pteridium esculentum*  
*Pteris macilenta*  
*P. tremula*  
*Pyrrosia serpens*  
*Rumohra adiantiformis*  
*Sphaeropteris medullaris*  
*Tmesipteris elongata*  
*Trichomanes endlicherianum*  
*T. venosum*