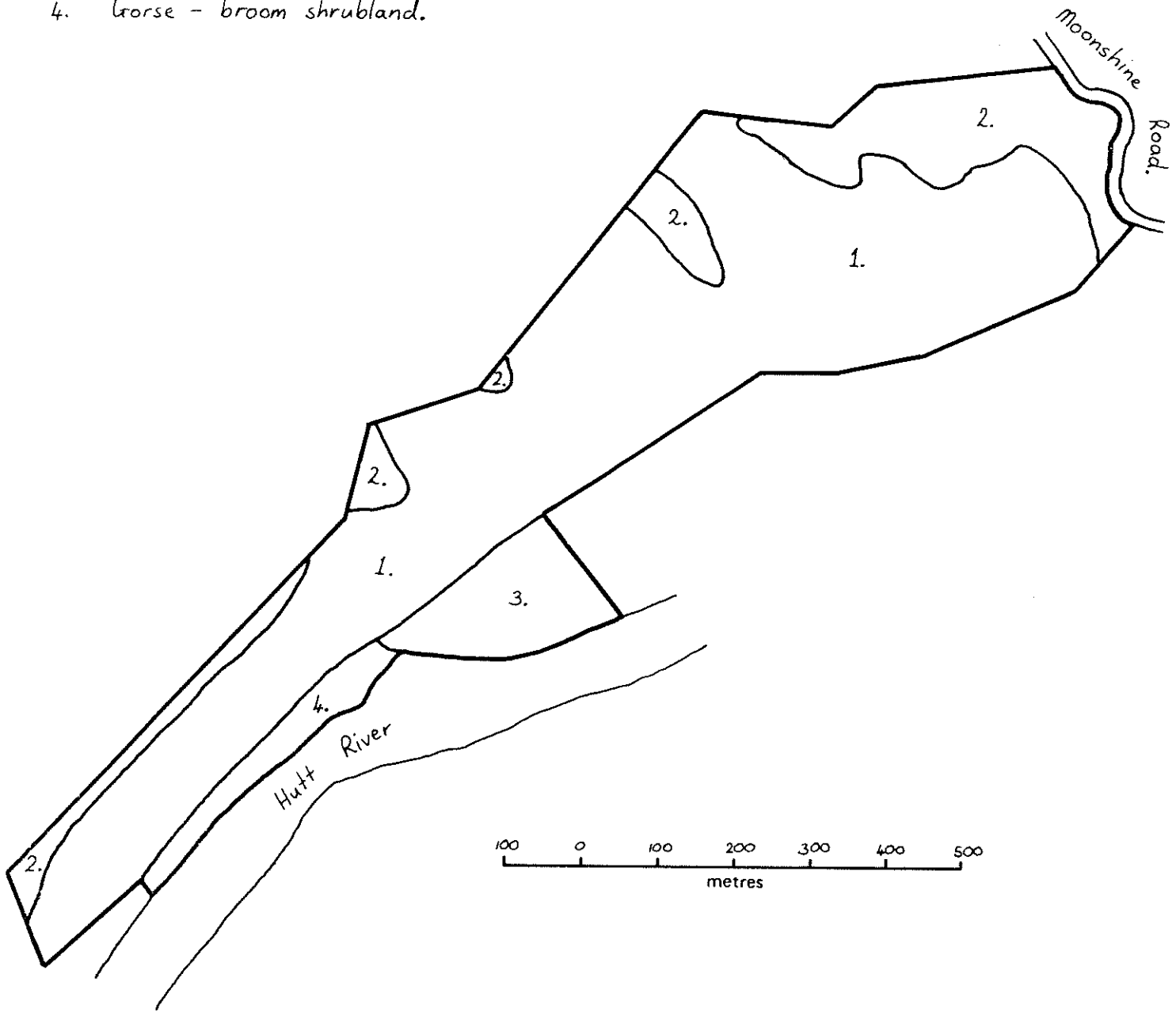


1. Tawa / mahoe - mixed broadleaved spp. forest.
2. Gorse - broadleaved shrubs.
3. Willows.
4. Gorse - broom shrubland.



Trentham Scenic Reserve

Area: 40.7012 ha

TRENTHAM SCENIC RESERVE						GRID REF R 27 803073									
for: scenery <input checked="" type="checkbox"/> bush <input checked="" type="checkbox"/> scrub/tussack 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 Trentham, Upper Hutt, 27 km north of Wellington.						AREA ha/acx 40.7012									
ACCESS Through private land on western side of Hutt River, off Moonshine Road.						L.D. No.									
OUTLINE & TOPO Steep ridge and spur system running parallel to the Wellington Fault and covered in forest dominated by tawa and mahoe. Reserve also includes a small area of river terrace at foot of main slope.						STATUS Scenic									
SURROUNDINGS Bracken-gorse covered land planted out in pines, waste land on Hutt River terrace with willows, pasture.						RES sub-Cttee									
GEOLOGY Greywacke, steep - very steep faceted spur formed by the Wellington Fault.						CONTROL CCL									
SPM Greywacke colluvium and alluvium.						GAZETTED 1964									
SOIL Ruahine steepland soils, central yellow-brown earth.						RESERVED									
DRAINAGE Good on slope, slightly impeded on alluvium.						HISTORY									
						AIR PHOTO SN 5497 H/14 date 1980									
						nearby town 3 km Upper Hutt									
						nearest reserve 1 km Silverstream Scenic									
						public road 0 km Moonshine Road									
						sea (km) 10									
						ALTITUDE m/fkx 40 -230									
						ASPECT South-east									
						RAIN mm/yr (approx) 1280									
						NAT FERTILITY Low fertility, strongly leached soils.									
MAIN HABITATS and FEATURES															
RES	NOT					%	area	native		ex	regen	NAT	trend	exotics	
LD	LD					area	ha	1°	2°	ind					
✓	✓	1. Tawa/mahoe-mixed broadleaved spp. forest on steep colluvial mid-slopes.				70.8	28.82	✓				H	H S L		
✓	✓	2. Gorse-mixed broadleaved spp. scrub on colluvium.				17.7	7.20	✓			✓	H	M I H		
✓	✓	3. Willows on alluvium.				7.2	2.93				✓	L	L S H		
✓	✓	4. Gorse-broom shrubland on alluvium.				4.3	1.75				✓	H	L I H		
		1. Tawa forms a canopy around 20m with isolated trees of rimu, totara, matai, kahikatea and rewarewa emergent above the tawa. Other canopy species include titoki and black maire. There is an open understorey of kawakawa, kanono, black tree fern, silver tree fern and mahoe. There are dense areas of supplejack. Ferns are common on the forest floor along with seedlings of titoki, karaka and tawa. Mosses clothe the rocks on the surface. Mahoe is dominant in the canopy near the top of the ridge along with kamahi and pate. Mahoe, rangiora and pate are also prominent in the canopy on the steepest parts of the reserve where slipping has occurred. Pockets of hard and black beech forest are found on the clay spurs.													
		2. Gorse scrub containing regenerating indigenous shrubs is found on the upper slope and the northern end of the reserve. Gorse canopy reaches 3m tall. Broadleaved shrubs including mahoe, karamu and rangiora are beginning to appear in the canopy. Bracken and blackberry are common at the northern end.													
		3. Area of crack willow trees on river terrace reaches up to 10m in height. There is an open understorey of scattered broadleaved shrubs and a dense ground cover of Hypolepis and exotic weeds including wandering Jew, Selaginella, montbretia, and cocksfoot.													
		4. Young gorse-broom shrubland on river terrace. Canopy reaches from 1.5m - 2m in height.													
						100	40.70								
CONDITION															
Overall forest condition is very good. Low regeneration of indigenous species under the willows. No original vegetation cover remains on the river terrace.															
FENCING None.															
PRIORITY Low.															
RATING 0-10															
SCIENTIFIC 5... Preserves an area of original forest on the Wellington Fault escarpment. Near the southern limit of beech forest on the western Wellington Hills.															
SCENIC 5... Scenic backdrop to Upper Hutt residential area.															
RECREATION 1... Very steep on slope. Potential for developing walks along river terraces.															
CONCLUSIONS and RECOMMENDATIONS															
The reserve supports a floristically rich and diverse forest which is in good condition. This reserve along with Keith George Memorial Park and Silverstream Reserve preserves the original forest of the Wellington Fault escarpment.															
There is a possibility of future development of the Hutt Motorway along the river terrace below the slop forest. The reserve shows evidence of recent slips along the faceted spur and any construction works must include the provision of a buffer zone to protect the toe-slope and its associated forest margin.															
If the motorway proposal does not go ahead then the areas of willow and young gorse-broom shrubland could be developed into an attractive picnic area.															
Plants of old man's beard (in area 3) should be removed from the reserve and periodic checks must be made that the plants do not re-establish.															
There is the potential for pines to seed into the reserve as the adjacent plantation land west of the reserve matures.															
4 hours Fine conditions MCW, DJC September 1983															

REFERENCES

% area	SUMMARY	HABITATS													ORGANISMS	INFER			OBSERVED							
		WATER/SHORE		large	small	several	fill/cut/stable	overhang	emergent	herbac.	cliff	rock	stony	s-shingle		mud	organic	poll-ution	access	a - adjoins reserve	N	S	M	N	L	M
70.8	tall conifer ¹ forest/trees	sw/lw coast																higher native plants								
8.8	conifer ² forest/trees	sw/lw beach																lower plants								
	beach forest/trees	sw/lw estuary																exotic plants								
	Bl ³ forest/trees	sw/lw rockpool																bush								
	scrub/shrubs < 6m	lake 120m +																exotic plants								
	tall tussocks/grassland	pool/tarn																scrub								
	short tussocks/grassland	river 5m +																in native								
	grassland/grasses	stream																grass								
	sedge/land/sedges	spring/seepage																higher freshwater plants								
	rushland/rushes/rupo																	lower freshwater plants								
	herbland/herbs																	native mammals								
	"tussock" hermland ⁴																	native birds								
	fernland/ferns																	introduced birds								
	"moss" land																	waterfowl s.l.								
	bracken																	introduced waterfowl								
																		reptiles								
	exotic grassland ⁵																	native/introduced amphibia								
	exotic herbland/woodland																	fw native fish								
13.2	exotic scrub/shrubs																	fw introduced fish								
7.2	exotic forest/trees																	fw invertebrates								
	introduced "native" cover																	terrestrial invertebrates								
	bag/swamp/pakihi																	saltwater life								
	marsh sw/fw																									
	mudflat sw/fw																									
	bluff/rocks																									
	bluffs/rocks in bush																									
	waterfall																									
	cave/gorge																									
	gravel habitat/scree																									
	dune/sand																									
	limestone																									
	ultrabasic																									
	geological site																									
	breeding ground																									
	rare/interesting animals																									
	rare/interesting plants																									
	historic site																									
	historic building																									
	prehistoric site																									
	camp/midden/pits																									
	terraces/earthworks																									
	burial/tapu																									
100																										

¹ tall conifer: kahikatea, kauri, matai, miro, rimu, totara

² remaining 11 tree-sized spp

³ broadleaved

⁴ e.g. flax

⁵ incl. rough grassland, pasture etc

TREES AND SHRUBS

Native

Alectryon excelsus
Aristotelia serrata
Beilschmiedia tawa
Brachyglottis repanda
Carpodetus serratus
Coprosma grandifolia
C. lucida
C. rhamnoides
C. robusta
C. rotundifolia
Cordyline australis
Coriaria arborea
Corynocarpus laevigatus
Cyathodes juniperina
Dacrydium cupressinum
Elaeocarpus dentatus
Fuchsia excorticata

Adventive

Leycesteria formosa
Lupinus arboreus

Geniostoma rupestre var.
Hebe stricta var. *atkinsonii*
Hedycarya arborea
Knightia excelsa
Laurelia novae-zelandiae
Leptospermum ericoides
Leucopogon fasciculatus
Lophomyrtus bullata
L. bullata X *L. obcordata*
Macropiper excelsum
Meliccytus ramiflorus
Myrsine australis
Nestegis cunninghamii
Nothofagus solandri var. *solandri*
N. truncata
Olearia rani
Paratrophis microphylla

Pittosporum eugenioides
Plagianthus betulinus
Podocarpus dacrydioides
 (*Dacrycarpus dacrydioides*)
P. ferrugineus
 (*Prumnopitys ferruginea*)
P. spicatus
 (*Prumnopitys taxifolia*)
P. totara
Pseudopanax arboreus
P. crassifolius
Pseudowintera axillaris
Rhopalostylis sapida
Schefflera digitata
Sophora microphylla ✓
Urtica ferox
Weinmannia racemosa

Salix fragilis

Ulex europaeus

CLIMBERS, LIANES ETC.

Native

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

Adventive

Calystegia sp.
Clematis vitalba

Metrosideros perforata
Muehlenbeckia australis
Parsonsia heterophylla

Passiflora tetrandra
Ripogonum scandens
Rubus cissoides

Lonicera japonica

Rubus fruticosus agg.

GRASSES, RUSHES AND LIKE PLANTS

Native

Juncus gregiflorus

Uncinia uncinata

Uncinia sp.

Native

Astelia fragrans
A. solandri

Collosporum hastatum
Earina autumnalis

Hydrocotyle moschata
Senecio minimus

Adventive

Achillea millefolium
Cardamine sp.
Cerastium glomeratum
Cirsium vulgare
C. maculatum
C. canadensis
C. discolor X *C. crocosmiiflora*
C. discolor X *C. discolor*
C. discolor X *C. discolor*
C. discolor X *C. discolor*

Foeniculum vulgare
Galium aparine
Geranium robertianum
Lamium album
Lotus pedunculatus
Mentha X *piperita*
Mimulus guttatus
Plantago lanceolata
Ranunculus repens

Rumex obtusifolius
Senecio jacobaea
Sonchus oleraceus
Stellaria media
Tradescantia fluminensis
Trifolium repens
Vicia sativa
Vinca major

FERNS AND ALLIES

Native

Alsophila tricolor
 (*Cyathea dealbata*)
Anarthropteris lanceolata
Asplenium bulbiferum
A. flaccidum
A. oblongifolium
A. polyodon
Blechnum chambersii
B. filiforme
B. fluviatile
B. sp. (*capense* agg.)

Dicksonia squarrosa
Histiopteris incisa
Hymenophyllum demissum
Hypolepis tenuifolia
Lastreopsis glabella
L. velutina
Leptopteris hymenophylloides
Paesia scaberula
Pellaea rotundifolia

Phymatosorus diversifolius
P. scandens
Pneumatopteris pennigera
Polystichum richardii
P. vestitum
Pteridium esculentum
Pyrrosia serpens
Sphaeropteris medullaris
 (*Cyathea medullaris*)

Adventive

Sellaginella kraussiana

BIRDS

bellbird
 blackbird
 fantail
 greywarbler

white-backed magpie
 N.Z. pigeon
 eastern rosella
 welcome swallow

song thrush
 tui
 yellowhammer