



## Tiraumea Scenic Reserve

Area: 8.9030 ha

TIRAUMEA RIVER SCENIC RESERVE		GRID											
for: scenery ✓ bush ✓ scrub/kanuka etc ✓ wetland plants animals geology/soil history/prehistory water supply		REF T25 552676-552670											
<b>LOCATION</b> On a bend of the Tiraumea River, 14 km along Hinemoa Valley Road, SE of Pahiatua.		<b>AREA ha/acc.</b> 8.9030											
<b>ACCESS</b> Access can be gained from the road with difficulty, across the deep stream gully. Otherwise has a makeshift bridge across the stream, to rough tracks in the vicinity of the reserve.		<b>L.D. No.</b> Section 19, Block XVI, Mangahao S.D.											
<b>OUTLINE &amp; TOPO</b> This tiny pocket of podocarp-tawa amidst secondary manuka scrub is on a bend on the Tiraumea River, which here forms a stream in a very steep gully. The reserve is situated on the flat valley terrace above. Beyond are moderately-steep to steep papa hills. Sides covered with scrub and gorse with small pockets of tree fern and broadleaved species in gullies.		<b>STATUS</b> Scenic											
<b>SURROUNDINGS</b> The reserve lies on the edge of c.4,500 acres of farmland now reverted to dense manuka and gorse scrub. The only recognisable reserve boundary is the Tiraumea River. On the far side of it is the valley road, and grazed hillsides beyond.		<b>RES sub-Cites</b>											
<b>GEOLOGY</b> Calcareous siltstone and sandstone.		<b>CONTROL</b> CCL											
<b>SPM</b> Siltstone and sandstone alluvium		<b>GAZETTED</b> 1900/608											
<b>SOIL</b> Yellow-brown earths and related steepland soils: Mahoenui-Pahiatua silt loams.		<b>RESERVED</b>											
<b>DRAINAGE</b> Poor to good on terrace edges.		<b>HISTORY</b>											
		<b>AIR PHOTO</b> 5139 F/27, 28											
		date 8.11.77.											
		<b>nearby town</b> 14 km Pahiatua by road											
		<b>nearest reserve</b> 7 km Makuri Gorge S.R.											
		<b>public road</b> Hinemoa Valley Road											
		<b>see (km)</b> 40											
		<b>ALTITUDE m/acc.</b> 120-140											
		<b>ASPECT</b> East											
		<b>RAIN mm/MK</b> 1400											
		(approx)											
		<b>NAT FERTILITY</b> Moderate											
		<b>MAIN HABITATS and FEATURES</b>											
RES	NOT	%	area	native		ex	regen	NAT	1	2	3	4	5
10	11	area	ha	1 <sup>o</sup>	2 <sup>o</sup> ind								
✓	✓	11	1.0	✓			L	M					
✓	✓	16	1.4	✓	✓	✓	L	L					M
✓	✓	11	1.0		✓		H	H					I
✓	✓	27	2.4		✓	✓	M	L					M
✓	✓	1	.		✓	✓	M	M					S
✓	✓	33	3.0		✓		M	H					I
✓	✓	1	0.1										
		99	8.9										
<b>CONDITION</b> The reserve (and surrounds) has many tracks of deer and pigs travelling from the hills to drink at the stream. Browsing in concentrated small clearings and the stream banks. What was once a tawa canopy is now severely deteriorated and all exposed tawa have damaged crowns since removal of podocarps. Regeneration of podocarps marginal to adult stands is very good.													
<b>FENCING</b> Unfenced.													
<b>PRIORITY</b> Low.													
<b>RATING 0-10</b>													
<b>SCIENTIFIC</b> 3... High species diversity in remnant regenerating podocarp stand. Successional stages evident. High bird population.													
<b>SCENIC</b> 3... A noticeable stand viewed from the road but rarely seen or visited by other than local residents.													
<b>RECREATION</b> 2... Hunting of deer and pig.													
<b>CONCLUSIONS and RECOMMENDATIONS</b> Tiraumea Scenic Reserve is a tiny pocket of the podocarp-tawa forest which originally would have covered the hillsides east of the Mangatainoka Valley. The reserved stand has had canopy trees removed, and traces of stumps remain although there is no direct evidence whether the cause was fire or milling. The remaining exposed tawa canopy has suffered from wind exposure, and scrubby areas are remaining open with dense vine and weed growth.													
Stock may have modified the stand in the past, but at present the only habitat modifiers are the deer. Hunting is popular with the locals and may control deer and pig numbers sufficiently to avoid overbrowsing. Unfortunately, access to the reserve is difficult with regard to its isolation and inaccessibility. The stream floods readily, and access across the steep gully is always hazardous. Its main value, therefore, is as a seed source for more widespread rehabilitation of the surrounding scrubland and as a wildlife habitat. The broadleaved species are highly fertile and support a large bird population. Variable drainage conditions and site fertility result in a mixed podocarp stand, and all species are regenerating freely in the broadleaved spp-manuka zone. Gorse is being throttled naturally by native vegetation along the terrace edge, but two species of blackberry pose a threat in clearings and open scrub where they will establish further if not sprayed.													
It would be desirable in the future to consider enlarging the reserve, especially if development of the surrounding private land is ever anticipated.													
21... hours Fine conditions IG 1981													

REFERENCES

% area	SUMMARY	HABITATS												ORGANISMS		INFER		OBSERVED											
		WATER / SHORE			veg			substrate			poll-ution			access		a - adjoins reserve		N	S	M	N	L	M	H	initials				
11	tall conifer forest/trees	large	small	several	high-wet/stable	overhang	emergent	herbaceous	cliff	rock	stony	S+stingle	mod	organic	rocky/sh	eutrophic	foot	beach	car	higher native plants 114									
54	conifer forest/trees																		lower plants										
27	beach forest/trees																		exotic plants										
	BL forest/waaka																		bush										
	scrub/shrubs < 5m																		exotic plants										
	tall tussocks/grassland																		in native										
	short tussocks/grassland																		higher freshwater plants										
	swamp/land/grasses																		lower freshwater plants										
	sedge/land/sedges																		native mammals										
	swamp/land/rushes/raupo																		native birds										
	herb/land/herbs																		introduced birds										
	"tussock" herb/land																		waterfowl s!										
	fern/land/ferns																		introduced waterfowl										
	"moss" land																		reptiles										
	bracken																		native/introduced amphibia										
	exotic grassland																		fw native fish										
	exotic herb/land/woodland																		fw introduced fish										
	exotic scrub/shrubs																		fw invertebrates										
	exotic forest/trees																		terrestrial invertebrates										
	introduced "native" cover																		saltwater life										
	bog/swamp/pakihi																												
	marsh sw/lfw																												
	mudflat sw/lfw																												
	bluff/rocks																												
	bluffs/rocks in bush																												
	waterfall																												
	cave/gorge																												
	gravel habitat/scree																												
	dune/sand																												
	limestone																												
	ultrabasics																												
	geological site																												
	breeding ground																												
	rare/interesting animals																												
	rare/interesting plants																												
	historic site																												
	historic building																												
	prehistoric site																												
	camp /midden/pits																												
	terraces/earthworks																												
	burial/tapu																												

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

NATIVE SPECIES

Trees and shrubs

*Alectryon excelsus*  
*Aristotelia serrata*  
*Beilschmiedia tawa*  
*Brachyglottis repanda*  
*Carpodetus serratus*  
*Coprosma areolata*  
*C. rhamnoides*  
*C. rotundifolia*  
*Cordyline banksii*  
*Coriaria arborea*  
*Dacrydium cupressinum*  
*Elaeocarpus dentatus*  
*Hebe stricta*  
*Hedycarya arborea*

*Hoheria populnea* var. *lanceolata*  
*Leptospermum ericoides*  
*L. scoparium*  
*Lophomyrtus bullata*  
*L. obcordatum*  
*Macropiper excelsum*  
*Melicytus micranthus*  
*M. ramiflorus*  
*Myrsine australis*  
*M. salicina*  
*Neomyrtus pedunculata*  
*Nestegis lanceolata*  
*Olearia virgata*  
*Paratrophis microphylla*

*Pennantia corymbosa*  
*Pittosporum eugenioides*  
*P. tenuifolium*  
*Podocarpus dacrydioides*  
*P. ferrugineus*  
*P. spicatus*  
*P. totara*  
*Pseudopanax anomalus*  
*P. crassifolius*  
*Schefflera digitata*  
*Solanum aviculare*  
*Sophora microphylla*  
*Urtica ferox*

Climbers, lianes etc.

*Calystegia tuguriorum*  
*Clematis foetida*  
*C. forsteri*  
*Metrosideros colensoi*  
*M. diffusa*

*Metrosideros perforata*  
*Muehlenbeckia australis*  
*M. complexa*  
*Parsonsia heterophylla*

*Passiflora tetrandra*  
*Ripogonum scandens*  
*Rubus australis*  
*R. cissoides*

Grasses, rushes and like plants

*Carex dissita*  
*C. banksii*  
*C. virgata*

*Cortaderia toetoe*  
*Juncus gregiflorus*  
*J. sp.*

*Microlaena avenacea*  
*Scirpus sp.*  
*Uncinia uncinata*

Herbs

*Acaena novae-zelandiae*  
*Astelia fragrans*  
*Cardamine sp.*  
*Collospermum hastatum*  
*Dichondra repens*  
*Earina autumnalis*  
*Epiobium pedunculare*

*Gastrodia cunninghamii*  
*Geranium microphyllum*  
*Gnaphalium luteo-album*  
*Haloragis erecta*  
*Hydrocotyle americana*  
*H. microphylla*  
*H. moschata*

*Nertera dichondraefolia*  
*Oxalis sp.*  
*Phormium tenax*  
*Pratia angulata*  
*Ranunculus hirtus*  
*Senecio minimus*  
*Urtica incisa*

Ferns

*Adiantum cunninghamii*  
*Anarthropteris lanceolata*  
*Asplenium bulbiferum*  
*A. flaccidum*  
*A. oblongifolium*  
*A. polyodon*  
*Blechnum capense* "diff."  
*B. capense* "ordinary"  
*B. chambersii*  
*B. discolor*  
*B. filiforme*  
*B. fluviatile*

*Botrychium bifforme*  
*Cyathea dealbata*  
*C. medullaris*  
*Dicksonia squarrosa*  
*Hymenophyllum demissum*  
*H. sanguinolentum*  
*Hypolepis tenuifolia*  
*Lastreopsis glabella*  
*Leptopteris hymenophylloides*  
*Lycopodium scariosum*

*Paesia scaberula*  
*Pellaea rotundifolia*  
*Phymatosorus diversifolius*  
*P. scandens*  
*Pneumatopteris pennigera*  
*Polystichum richardii*  
*P. vestitum*  
*Pteridium esculentum*  
*Pyrrosia serpens*  
*Trichomanes colensoi*

blackberry  
foxglove  
gorse  
*Gnaphalium sp.*

grasses  
Himalaya honeysuckle  
Jerusalem cherry

nightshade  
selfheal  
willow

BIRDS  
(Native and Introduced)

fantail  
greywarbler  
magpie

silvereve  
starling

tui  
wood pigeon