



WAIRARAPA LAKE SHORE SCENIC RESERVE				GRID REF S27 266666-335668	
for: scenery <input checked="" type="checkbox"/>	bush <input checked="" type="checkbox"/>	scrub-tussock etc <input type="checkbox"/>	wetland <input checked="" type="checkbox"/>	plants <input checked="" type="checkbox"/>	animals <input type="checkbox"/>
LOCATION Alongside Lake Wairarapa on Western Lake Road, 15 km south of Featherston, Southern Wairarapa.				AREA ha/acs 27.3739	
ACCESS Reseve runs alongside Western Lake Road.				L.D. No. Sections 105-115, Block IX Wairarapa SD	
OUTLINE & TOPO The reserve consists of a narrow strip of land along the lake edge rising from flat swamp on the east of Western Lake Road, to terrace and spurs of the lower foothills of the Rimutaka Ranges on the west side. Gradients are mostly gentle but the reserve also includes terrace bluffs and very deep gullies. The reserve is in three blocks separated by road and farmland.				STATUS Scenic	
SURROUNDINGS The reserve adjoins sheep pasture to the northern and southern ends, lake shore on the east, and continuous black beech forest of the eastern Rimutaka Ranges to the west.				RES sub-Cttee	
GEOLOGY Undifferentiated alluvium flood plain deposits at lake-level; the Wairarapa Fault forms the uplifted terrace above the road; greywacke to the west.				CONTROL Local residents	
SPM Alluvium.				GAZETTED 1912/3292, 1979/1751	
SOIL Central recent soils from alluvium; Kairanga and Manawatu, and YBE steepland soils, Kuaheine and Rimutaka.				RESERVED	
DRAINAGE Good on slopes, poor to moderate on lake level.				HISTORY An exchange of land under the old Scenery Preservation Act, 1908	
				AIR PHOTO 5497 K/7 date 11.10.79	
				nearby town 15 km Featherston	
				nearest reserve 11 km Kahutara SR	
				public road Western Lake Road	
				sea (km) 19	
				ALTITUDE m/ft 2-60	
				ASPECT SE	
				RAIN mm/yr 1710 (approx)	
				NAT FERTILITY Medium - High.	

RES	NOT	MAIN HABITATS and FEATURES										% area	area ha	native			ex	regen	NAT	trend	exotics	
		LD	NZ	LD	NZ	1 ^o	2 ^o	ind														
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.										42.6	11.7					H	H	S		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1a.										18.0	4.9					H	H	S		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.										10.6	2.9					H	H	I		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.										10.4	2.8					H	L	I		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.										6.1	1.7					N	L	D		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5.										4.2	1.1					L	L	D		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6.										2.3	0.6					H	H	I		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7.										2.1	0.6					L	L	D		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8.										1.8	0.5					M	H	S		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9.										1.8	0.5					M	M	S		
													99.9	27.2								

CONDITION There is no regeneration in 110-111, but elsewhere good regeneration after minor logging, animal damage, fire and NZED construction. The only planting has been of willows on the lakeshore. The north end has much *Tradescantia* needing attention. The disturbed 112 block is weed infested. Amateur hunting has controlled animal populations.

FENCING 113-115: fenced along NW and S end. N fenceline dilapidated.
105-109: road frontage fenced and N, S ends. 110-111: fenced on road frontages only.

PRIORITY Low, except for 110-111.

RATING 0-10

SCIENTIFIC 6 Black beech, representative of E. Rimutaka Range. Unusual black beech/nikau association. Wide range of habitats.

SCENIC 5 The bush is attractive although there are no vantage points for views either of reserve or Lake.

RECREATION 5 Picnic sites with tables are well patronised. Access to lakeshore for boating, fishing. No marked tracks through reserve.

CONCLUSIONS and RECOMMENDATIONS

The reserve has good scenic properties and preserves the black beech/nikau association not found elsewhere in the Wairarapa. It preserves a habitat gradient from lake shoreline, through swampy scrub and well drained podocarp and broadleaved associations to hillslope black beech and gully broadleaved spp. forest. Past logging, planting of willows, the NZED transmission line and stock grazing are the human-induced modifications to the reserve; the only current damage is the grazing of blocks 110-111. Control of *Tradescantia* present at the north end of block 105 is urgent as lack of undergrowth is permitting rapid spread. It would be desirable to fence off blocks 110-111 from the grazed pasture. Although weed growth would be excessive, regeneration of the canopy spp (titoki, karaka, kowhai) would provide a continuum, otherwise once the present trees become overmature there will be no reason to retain this block as scenic reserve. The reserve is well suited to the development of bush walks especially in terrace areas not dissected by the deep gullies. At present only one unmarked rough track exists. It has been proposed to substantially extend the scenic reserve by purchasing a block of bushed hillsides beyond the existing boundary. This would be a significant contribution to the reservation of unmodified vegetation in the Wairarapa and should be strongly recommended especially if further development of surrounding farmland is ever considered.

(Continued..)

¹ NATURALNESS ² TREND: D deteriorating; S steady; I improving

CONCLUSIONS AND RECOMMENDATIONS (Continued)

Section 112: The low-lying lakeshore broadleaved bush has had a swathe cut through it by the NZED and although regeneration is vigorous there is an abundance of exotics including briar, *Tradescantia*, hollyhock, buttercup, broom, gorse, *Prunus* spp., daisy, *Calystegia* and grasses. Native regeneration is vigorous elsewhere so eventually natives should choke out and shade out some of these weeds. The bush consists of willow, pukatea, kanuka, black beech, *Pittosporum tenuifolium* *Myrsine australis*, some lemonwood, putaputaweta, titoki, nikau, cabbage tree above a dense undergrowth of shrubs and juveniles, sedges, uncinias and ferns (encouraged by clearings and canopy gaps). There is a lot of rubbish left along the line of clearance.

Sections 113-115: 70% black beech forest. On drier spurs and slopes the floor is clear with scattered *Dianella*, *Uncinia*, *Phymatosorus*, small-leaved *Coprosma*s, mingimingi, *Olearia rani* and *Myrsine australis*, often stripped. On moister terraces there is a rich floor mat of ferns and mosses, tree ferns, juvenile broadleaved spp, dense mingimingi. On the dry banks of the gullies which dissect these terraces, *Earina* orchids grow in abundance along with kidney fern. At one point above the road there are 17 deep pits aligned at right angles to the shoreline. They are mostly 1m x 2m and up to 2m deep, possibly some of the pre-European maori storage pits common around the Southern Wairarapa coastline.

Sections 105-109: The black beech canopy becomes less continuous with more broadleaved species entering the canopy towards the north. At the south end of 105 is a young patch of dense regenerative growth amongst toppled and dead upright trunks of black beech. At the north end kanuka is a major component of the canopy in a 2° growth stand of equally aged black beech and kanuka. On the lower, storey terrace this association merges into an adult podocarp-titoki-karaka-rawarewa stand. On the banks at the back of the reserve there is evidence of pig-rooting. Beyond the northern reserve boundary is an area of dense regenerating broadleaved scrub merging into kanuka. A rather casual track in 109 opposite the car pull-off leads into this bush.

REFERENCES Druce, A.P. 1971. Indigenous Vascular Plants in Vicinity of Western Lake Reserve, Lake Wairarapa, unpublished, BOT. DIV., DSIR Report.

% area	SUMMARY	HABITATS												ORGANISMS		INFER		OBSERVED											
		WATER / SHORE			veg			substrate			poll-ution			access		a = adjoins reserve		N S M		N L M H initials									
2	tall conifer forest/trees	large	small	several	hill/cut/slope	overhang	emergent	herbar.	cliff	rock	steep	s-shingle	mud	organic	rubbish	eutrophic	foot	boat	car	higher native plants	250								
71	conifer forest/trees																			lower plants									
22	beach forest/trees																			exotic plants									
2	BL forest/trees																			exotic plants	bush								
	scrub/shrubs < 6m																			in native	scrub								
	tall tussocks/grassland																			higher freshwater plants	grass								
	short tussocks/grassland																			lower freshwater plants									
	grassland/grasses																			native mammals									
	sedge/land/sedges																			native birds									
	rushland/rushes/raups																			introduced birds									
	herbland/herbs																			waterfowl s.l.									
	"tussock" herbland																			introduced waterfowl									
	fernland/ferns																			reptiles									
	"moss" land																			native/introduced amphibia									
	bracken																			fw native fish									
	exotic grassland																			fw introduced fish									
	exotic herbland/woodland																			fw invertebrates									
	exotic scrub/shrubs																			terrestrial invertebrates									
	exotic forest/trees																			saltwater life									
	introduced "native" cover																												
	bog/swamp/pakihi																												
	marsh sw/fw																												
	mudflat sw/fw																												
	bluff/rocks																												
	bluffs/rocks in bush																												
	waterfall																												
	cave/gorge																												
	gravel habitat/screen																												
	dune/sand																												
	limestone																												
	ultrabasics																												
	geological site																												
	braiding ground																												
	rare/interesting animals																												
	rare/interesting plants																												
	historic site																												
	historic building																												
	prehistoric site																												
	camp/midden/pits																												
	terraces/earthworks																												
	burial/tapu																												
97																													

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
Brachyglottis repanda
Carmichaelia arborea
Carpodetus serratus
Cassinia leptophylla
Coprosma areolata
C. grandifolia
C. microcarpa
C. propinqua var. *propinqua*
C. rhamnoides
C. robusta
C. tenuicaulis
C. propinqua X *C. robusta*
Cordyline australis
Coriaria arborea
Corynocarpus laevigatus
Cyathodes juniperina
Dacrydium cupressinum
Elaeocarpus dentatus

Climbers, Lianes etc.

Calystegia tugoriorum
Clematis forsteri (incl. *C. australis*
C. hookeriana and *C. petrei*)
Euchsia perscandens
Metrosideros diffusa

Grasses, rushes and like plants

Baumea rubiginosa
B. tenax
Carex buechananii
C. cirrhosa
C. dipsacea s.s.
C. dissita
C. geminata s.s.
C. lambertiana
C. lessoniana
C. maorica
C. secta
C. sinclairii
C. solandri
C. virgata
Cortaderia toetoe

Herbs

Acaena anserinifolia
Acianthus fornicatus var. *sinclairii*
Astelia fragrans
Bulbophyllum pygmaeum
Caladenia carnea
Callitriche petriei
Cardamine sp. (*C. debilis* agg.)
C. sp. (c.f. *C. corymbosa*)
Centella uniflora
Chilo-glottis cornuta
Collospermum hastatum
Colobanthus apetalus
Corybas aconitiflorus
C. trilobus
Cotula australis
C. coronopifolia
Cotula dioica subsp. *didica*
C. dispersa subsp. *dispersa*
C. maniototo
Crassula sp. (*Tillaea sinclairii*)
Dendrobium cunninghamii
Dianella nigra
Dichroandra sp.
Drymoanthus adversus
Earina autumnalis
E. mucronata
Epilobium insulare

Fuschia excorticata
Geniostoma ligustrifolium
Griselinia lucida
Hebe stricta var. *atkinsonii*
H. sp. (*Veronica arborea*)
Hedycarya arborea
Hoheria populnea var. *lanceolata*
Fleostylus micranthus
Knightia excelsa
Korthalsella salicornioides
Laurelia novae-zelandiae
Leptospermum ericoides
L. scoparium
Leucopogon (*Cyathodes*) *fasciculatus*
Lophomyrtus bullata
Macropiper excelsum
Melicope simplex
Melicytus ramiflorus
Metrosideros robusta
Myoporum laetum

Metrosideros fulgens
M. perforata
Muehlenbeckia australis
M. complexa
Parsonsia capsularis

Cyperus ustulatus
Echinopogon ovatus
Eleocharis acuta
E. gracilis
Gahnia pauciflora
Isachne globosa
Juncus australis
J. caespiticus
J. gregiflorus
J. planifolius
J. pusillus
J. sarophorus
Lachnagrostis filiformis
Leptocarpus similis
Microlaena avenacea

E. nerteroides
E. pallidiflorum
E. rotundifolium
Eryngium vesiculolum
Galium propinquum
G. sp. (unnamed; aff. *G. perpusillum*)
Gastrodia cunninghamii
Glossostigma elatinoides
Gnaphalium audax ss.
G. gymnocephalum
G. involucreatum
G. limosum
G. sphaericum
G. sp. (*G. luteo-album* agg.)
Gratiola sexdentata
Gunnera monoica (incl. *G. albocarpa*
 and *G. strigosa*)
G. prorepens (incl. *G. flavida*)
Haloragis erecta subsp. *erecta*
Hydrocotyle americana
H. hydrophylla
H. pterocarpa
H. sp. (*H. novae-zelandiae* agg.)
Hypericum japonicum
Hypsela rivalis
Lemna minor
Libertia grandiflora
Lilaeopsis sp.

Myrsine australis
M. salicina
Nestegis cunninghamii
N. lanceolata
Nothofagus solandri var. *solandri*
N. truncata
N. solandri X *N. truncata*
Olearia paniculata
O. rani
Pittosporum eugenioides
P. tenuifolium var. *tenuifolium*
Podocarpus dacrydioides
P. ferrugineus
P. spicatus
Pseudopanax anomalus
P. arboreus
P. crassifolius
Rhopalostylis sapida
Sophora microphylla
Weinmannia racemosa

Parsonsia heterophylla
Passiflora tetrandra
Ripogonum scandens
Rubus australis
R. schmidelioides

Microlaena stipoides
Poa anceps var. *anceps*
P. pusilla
Schoenus concinnus
S. maschalinus
Scirpus cernuus
S. inundatus
S. nodosus
S. prolifer
S. reticularis
Uncinia angustifolia
U. banksii
U. scabra
U. uncinata

Limosella lineata
Mazus pumilio
Microtis unifolia
Mimulus repens
Myriophyllum propinquum
M. votschii
Nertera setulosa
Oxalis sp.
Parietaria debilis
Phormium tenax
Plantago raoulii var.
Potentilla anserinoides
Pratia angulata
P. perpusilla
Pterostylis alobula
P. banksii
P. micromega
Ranunculus limosella
R. macropus
R. sp.
Schizeilma trifoliolatum
Selliera radicans
Senecio minimus
Thelymitra longifolia
Triglochin striatum
Typha orientalis
Viola lyallii
Wahlenbergia marginata

Ferns and allies

Adiantum cunninghamii
Asplenium bulbiferum
A. polyodon
A. flabellifolium
A. hookerianum
A. oblongifolium
A. sp. (A. flaccidum agg.)
~~*Azolla rubra*~~
Blechnum chambersii
B. discolour
B. filifolium
B. procerum
B. sp. (a) (B. capense agg.)
B. sp. (b) (B. capense agg.-bog.)
~~*Botrychium sp.*~~
Cardiomanes reniforme

Cyathea dealbata
C. medullaris
Histiopteris incisa
Hymenophyllum bivalve
H. demissum
H. dilatatum
H. flabellatum
H. multifidum
H. rarum
H. sanguinolentum
H. scabrum
Hypolepis tenuifolia
H. sp. (cf. H. rugosula)
Lastreopsis glabella
L. hispida
Lycopodium varium

Lycopodium scariosum
Paesia scaberula
Pellaea rotundifolia
Phymatosorus diversifolius
P. scandens
Polystichum richardii
P. vestitum
Pteridium esculentum
Pteris tremula
Pyrrosia serpens
Rumohra adiantiformis
Pneumatopteris pennigera
Todea hymenophylloides
Tmesipteris elongata
T. tannensis

EXOTIC SPECIES

briar
 broom
 browntop
 buttercup
 cocksfoot
 couch
 clover
 daisy

dandelion
 gorse
 greater bindweed
 hollyhock
 pennyroyal
 perennial ryegrass
 prunus
 ragwort

sweet vernal
 thistle
 timothy
Tradescantia
 white clover
 willow
 yarrow

BIRDS

fantail
 greywarbler

sparrow
 tui

wood pigeon

