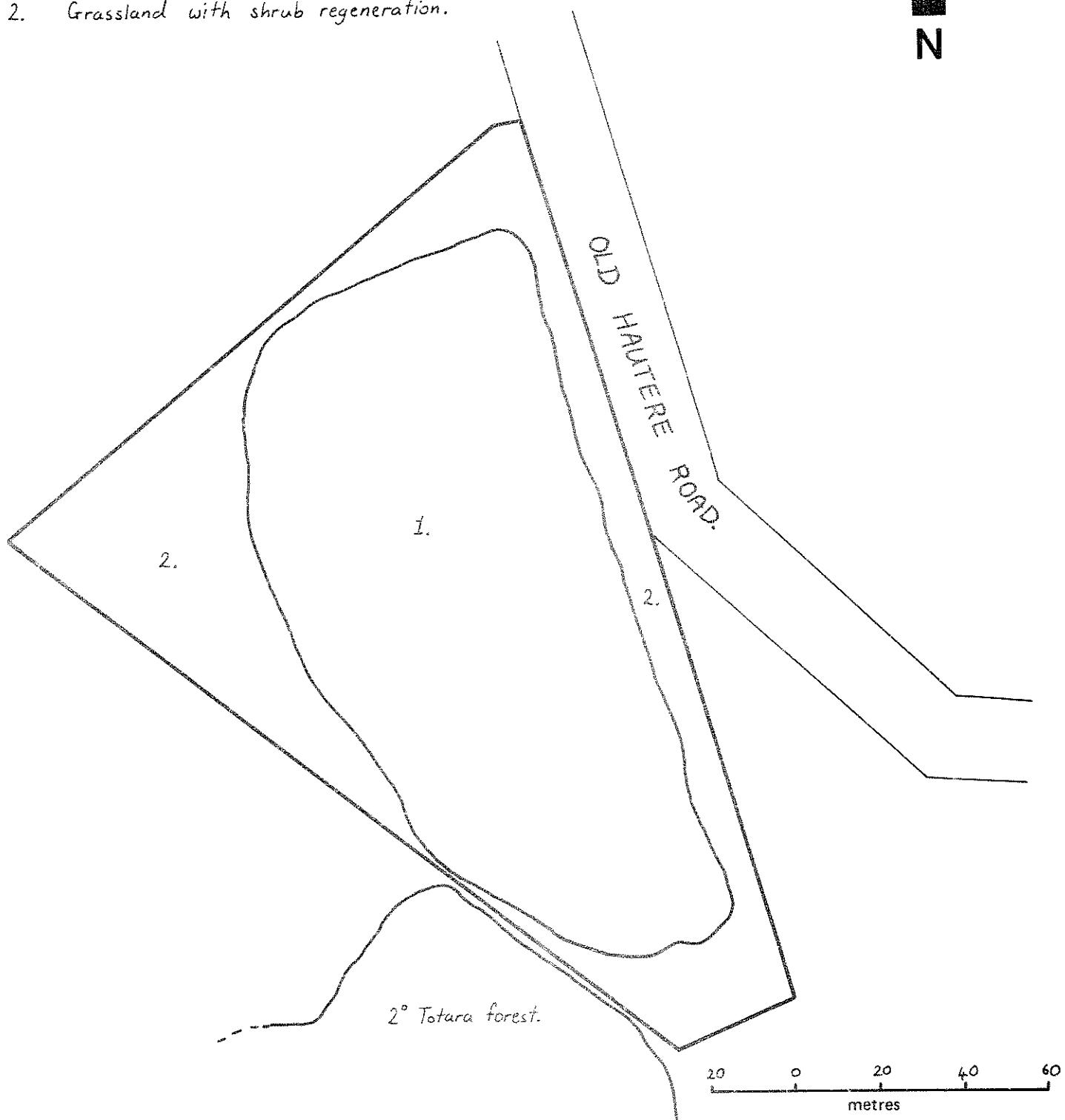


1. 2° Totara - titoki - matai forest.
 2. Grassland with shrub regeneration.



Kiripiti Scientific Reserve

Area: 1.9864 ha

8

3



8

KIRIPITI SCIENTIFIC RESERVE For: <input checked="" type="checkbox"/> 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"/> geology/soil <input type="checkbox"/> history/prehistory <input type="checkbox"/> water supply								GRID REF N 157 667 823 area 1.99 ha I.D. No. STATUS Scientific RES sub-Catag CONTROL C.C.L. GAZETTED 1968/1289 RESERVED HISTORY AIR PHOTO SN 8171 B/2 date 1980							
LOCATION 5 km south of Otaki Township.								AREA ha/ac nearby town 5 km Otaki nearest reserve 8.5 km Kaitawa public road 0 km sea (km) 4...							
ACCESS On old Hautere Road off State Highway 1.								ALTITUDE m/g 20-35							
OUTLINE & TOPO Second growth lowland forest on flat, stony alluvium. Original forest cover removed and present stand established in pasture.								ASPECT Flat RAIN mm/g 1100 (approx)							
SURROUNDINGS Mainly farmland. Some similar unfenced stands nearby.								NAT FERTILITY Medium							
GEOLOGY Flat terraces with light, shallow, stony soils.								EX native area % ha 1° ✓ 2° Ind regen NAT trend exotics							
SPM Alluvium and fan gravels.								63.6 1.26 H M I L 36.4 0.73 ✓ M L I H							
SOIL Kawhatau, stony silt loams (central yellow-brown earth).															
DRAINAGE Good.															
MAIN HABITATS and FEATURES <ul style="list-style-type: none"> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1. Totara-titoki-matai/<i>Melicope simplex</i>-mahoe forest. <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2. Introduced grassland. 								% area area ha 1° ✓ 2° Ind regen NAT trend exotics							
<ul style="list-style-type: none"> 1. Closed forest canopy (12-15m) of totara, titoki and matai with <i>Melicope simplex</i> occasionally reaching canopy level. The moderately dense understorey consists of small trees and shrubs of <i>Melicope simplex</i>, mahoe, <i>Coprosma crassifolia</i> and <i>Coprosma areolata</i>. It is better developed in the northern half of the reserve. Ground cover consists mainly of the grass <i>Oplismenus imbecillus</i>, litter, ferns and seedlings of several canopy and understorey tree species. These include titoki, mapou and around the margins of the stand, totara. 2. Ungrazed grassland of cocksfoot, browntop and other introduced weeds. Akeake seedlings are spreading out from the forest margin into the grassland. Also present are <i>Muehlenbeckia complexa</i>, <i>Melicope ternata</i> and <i>Coprosma rhamnoides</i>. 								100 1.99							
CONDITION Very good; regeneration of totara, titoki, akeake, kohekohe and mahoe occurring.															
FENCING Good.															
PRIORITY None.															
RATING 0-10 SCIENTIFIC .. Subject of studies on forest establishment and regeneration.															
SCENIC ...															
RECREATION ...															
CONCLUSIONS and RECOMMENDATIONS This reserve is little used by the public. It is of relatively low scenic value in comparison with its higher scientific value. Kiripiti Reserve has been the subject of some scientific study and these studies show that since the exclusion of stock from the reserve in 1971 understorey and ground species have re-established and in time will continue to increase in height and species diversity. The few gorse plants in the grassland near the fenceline could be removed with little effort and a periodic check made on the presence of inkweed in the reserve.															
2 hours conditions MCW, DJC, SF September 1983															
1 NATURALNESS								2 TREND: D deteriorating; S steady; I improving							

Druce, A.P. 1966. Secondary Totara-Titoki-Matai Forest on the Okaki Plain. Bull. Well. Bot. Soc. 33: 22-39.

Macdonald, M.C. 1978. Kirinoti Scientific Reserve, Otagi Plain. Subj. No. 3. Part. Soc. 40: 31-36.

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

² remaining 11 tree-sized spp

broadleaved

* e.g. flax

⁵ incl. rough grassland, pasture etc.

TREES AND SHRUBS

Native

Alectryon excelsus
Brachyglottis repanda
Coprosma areolata
C. crassifolia
C. repens
C. rhamnoides
Corynocarpus laevigatus
Dodonaea viscosa
Dysoxylum spectabile
Elaeocarpus dentatus

Adventive

Berberis glaucocarpa
Phytolacca octandra

Geniostoma rupestre var.
Knightia excelsa
Leptospermum ericoides
Lophomyrtus obcordata
Lophomyrtus obcordata X *L. bullata*
Macropiper excelsum
Melicope simplex
M. ternata
M. simplex X *M. ternata*
Melicytus ramiflorus

Nestegis lanceolata
Paratrophis banksii
Pennantia corymbosa
Pittosporum eugenoides
P. tenuifolium
Podocarpus spicatus
 $(=Prumnopitys taxifolia)$
P. totara
Solanum aviculare

Ulex europaeus

CLIMBERS, LIANES ETC.

Native

Carex flagellifera

Oplismenus imbecillus

Uncinia filiformis (?)

Adventive

Agrostis tenuis
Anthoxanthum odoratum

Dactylis glomerata
Festuca rubra

Holcus lanatus

HERBS

Native

Acaena novae-zelandiae
Arthropodium candidum
Astelia fragrans

Corybas trilobus
Galium propinquum
Parietaria debilis

Solanum nodiflorum
Wahlenbergia gracilis

Adventive

Acaena ovina
Achillea millefolium
Cerastium fontanum ssp. *triviale*
Cirsium vulgare
Crepis capillaris
Euphorbia peplus
Fumaria muralis
Galium aparine

Geranium robertianum
Hypochaeris radicata
Lapsana communis
Linum marginale
Lotus pedunculatus
Oxalis incarnata
Physalis peruviana
Plantago lanceolata

Prunella vulgaris
Sonchus oleraceus
Stellaria media
Taraxacum officinale
Trifolium dubium
T. repens
Vicia sativa

FERNS

Native

Asplenium bulbiferum
A. flaccidum
A. oblongifolium
A. polyodon
A. terrestre ssp. *terrestre*

Dicksonia squarrosa
Hymenophyllum flexuosum
Pellaea rotundifolia
Phymatosorus diversifolius

Pteridium esculentum
Pteris tremula
Pyrrosia serpens

BIRDS

blackbird

finch sp.
grey warbler

tomtit
white-backed magpie

