

APPENDIX I

FLORA OF TOTARA CREEK ECOLOGICAL AREA

The following list has been compiled from the survey data of Keenan (1985) and Brady (in prep.). Consequently, it should not be regarded as being fully comprehensive.

NOTE: Common names are those used in the text. Where no common name is known the type of plant (fern, shrub, etc.) has been stated.

NATIVE SPECIES

Class : FILICOPSIDA

<u>Leptopteris superba</u>	Heruheru; Prince of Wales feathers
<u>Sticherus cunninghamii</u>	Tapuwae-kotuku; Umbrella fern
<u>Hymenophyllum dilatatum</u>	A filmy fern
<u>Hymenophyllum villosum</u>	A filmy fern
<u>Cardiomanes reniform</u>	Kidney fern
<u>Dicksonia squarrosa</u>	Wheki; Rough tree fern
<u>Alsophila colensoi</u>	A tree fern
<u>Alsophila smithii</u>	Katote; Soft tree fern
<u>Pyrrosia serpens</u>	Leather-leaf fern
<u>Phymatosorus diversifolius</u>	Kowaowao; Hounds' tongue fern
<u>Phymatosorus scandens</u>	A fern
<u>Grammitis billardieri</u>	A fern
<u>Histiopteris incisa</u>	Mata; Waterfern
<u>Asplenium bulbiferum</u>	Mauku; Hen and chicken fern
<u>Asplenium flaccidum</u>	Raukatauri; Hanging spleenwort
<u>Asplenium hookerianum</u>	A fern
<u>Blechnum discolor</u>	Piupiu; Crownfern
<u>Blechnum fluviatile</u>	Kiwakiwa
<u>Blechnum minus</u>	A fern
<u>Blechnum procerum</u>	A fern
<u>Polystichum vestitum</u>	Punui; Prickly shieldfern

Class : SPERMATOPSIDA

Subclass : GYMNOSPERMAE

Prumnopitys ferruginea

Miro

Podocarpus hallii

Halls' totara

Podocarpus totara

Totara

Dacrydium cupressinum

Rimu

Subclass : ANGIOSPERMAE

Order : MONOCOTYLEDONES

Astelia nervosa

A lily

Ripogonum scandens

Kareao; Supplejack

Phormium cookianum

Wharariki; Mountain flax

Freycinetia bankseii

Kiekie

Aporostylis bifolia

Odd-leafed orchid

Gahnia pauciflora

Gahnia

Uncinia filiformis

Hookgrass

Uncinia uncinata

Hookgrass

Family : GRAMINEAE

Chionochloa conspicua

Hunangamoho; bush tussock

Chionochloa falvenscens

Snow tussock

Microlaena avenacea

Bush rice-grass

Poa colensoi

Blue tussock

Order : DICOTYLEDONES

Clematis sp.

Clematis

Viola filicaulis

Forest violet

Melicytus ramiflorus

Mahoe; Whiteywood

Stellaria parviflora

Native chickweed

Knightia excelsa

Rewarewa; NZ honeysuckle

Pittosporum tenuifolium

Kohuhu

Leptospermum scoparium

Manuka

Metrosideros diffusa

Climbing rata

Metrosideros fulgens

Climbing rata

<u>Metrosideros perforata</u>	Climbing rata
<u>Metrosideros robusta</u>	Northern rata
<u>Elaeocarpus hookerianus</u>	Pokaka
<u>Aristotelia serrata</u>	Makomako; wineberry
<u>Weinmannia racemosa</u>	Kamahi
<u>Carpodetus serratus</u>	Putaputaweta; marbleleaf
<u>Acaena anserinifolia</u>	Bidibid
<u>Nothofagus fusca</u>	Tawhai; red beech
<u>Nothofagus menziesii</u>	Tawhai; silver beech
<u>Urtica incisa</u>	Stinging nettle
<u>Pennantia corymbosa</u>	Kaikomako
<u>Pseudopanax colensoi</u>	Orihou; mountain fivefinger
<u>Pseudopanax crassifolium</u>	Horoeka; Lancewood
<u>Pseudopanax simplex</u>	Haumakaroa; Mountain panax
<u>Griselinia littoralis</u>	Papauma; Broadleaf
<u>Hydrocotyle sp.</u>	A pennywort
<u>Dracophyllum longifolium</u>	Inaka; Turpentine shrub
<u>Myrsine divaricata</u>	Weeping mapou
<u>Myrsine salicina</u>	Toro
<u>Geniostoma ligustrifolium</u>	Hangehange
<u>Parsonsia heterophylla</u>	Kaihua; native jasmine
<u>Coprosma areolata</u>	A small tree
<u>Coprosma australis</u>	Raurekau
<u>Coprosma ciliata</u>	A shrub
<u>Coprosma colensoi</u>	A shrub
<u>Coprosma foetidissima</u>	Stinkwood
<u>Coprosma linariifolia</u>	Yellow-wood
<u>Coprosma propinqua</u>	A shrub
<u>Coprosma pseudocuneata</u>	A shrub
<u>Nertera dichondraefolia</u>	A mat-herb
<u>Olearia colensoi</u>	Leatherwood
<u>Olearia lacunosa</u>	A shrub
<u>Senecio elaeagnifolius</u>	A shrub
<u>Pratia angulata</u>	Panakenake
<u>Hebe sp.</u>	A shrub

TARARUA ECOLOGICAL REGION

TOTARA CREEK ECOLOGICAL AREA

S R Thomas

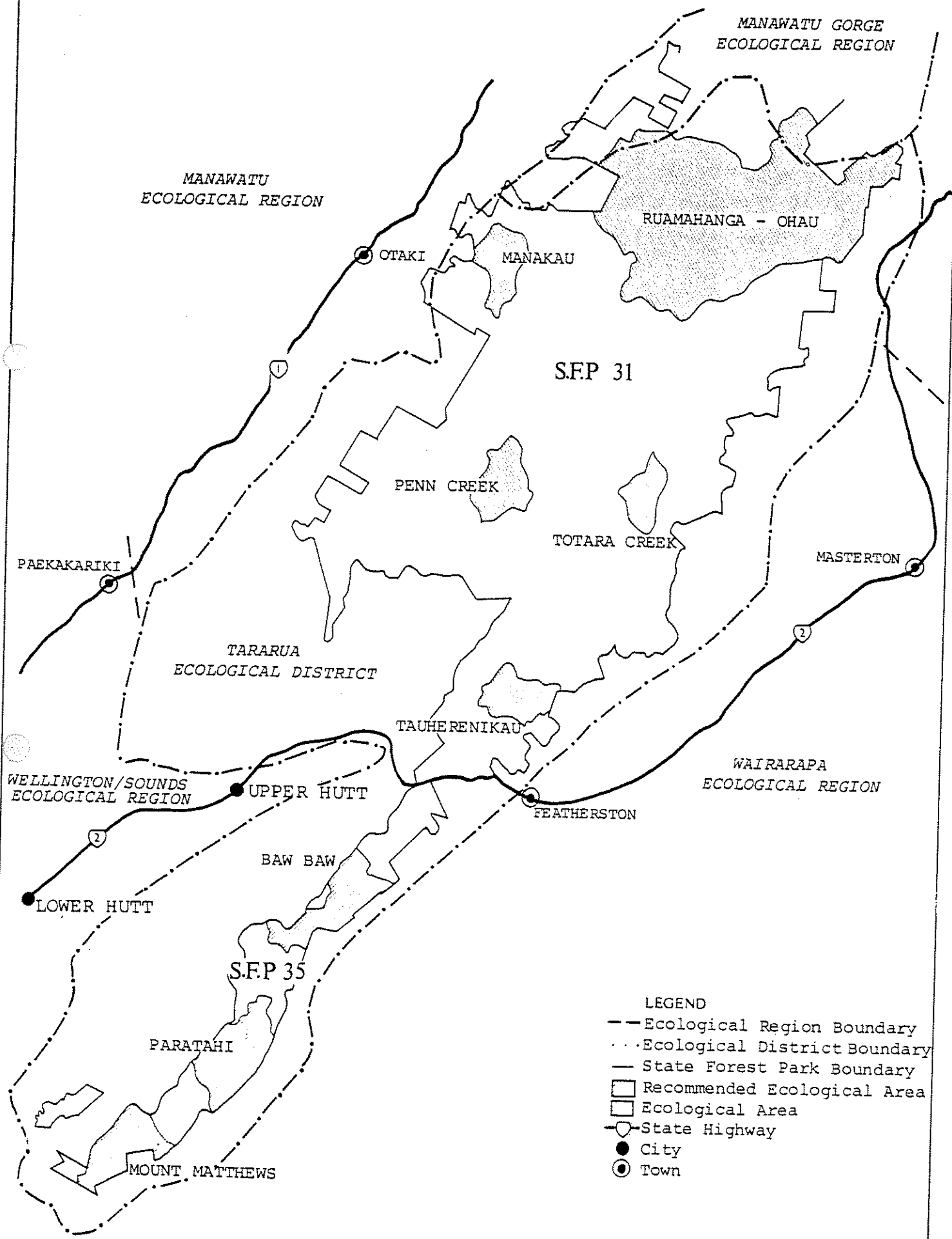
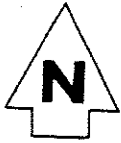
New Zealand Forest Service
Palmerston North

March 1986

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TARARUA ECOLOGICAL REGION

COMPRISING TARARUA ECOLOGICAL DISTRICT



LEGEND

- Ecological Region Boundary
- ... Ecological District Boundary
- State Forest Park Boundary
- ▭ Recommended Ecological Area
- ▭ Ecological Area
- State Highway
- City
- Town

SUMMARY

Totara Creek Ecological Area lies within Tararua Ecological District. It contains the entire Totara Creek catchment area (a tributary of the Waiohine River) an area of 1233 hectares. This catchment lies in the foot hills of Tararua State Forest Park.

This area's climate is characterised by strong winds and moderately heavy rainfalls.

This ecological area lies across the Wellington Fault - one of the most active fault-lines in the Tararuas and contains exposures of both the Ruahine and Wakarara Greywacke Group rocks.

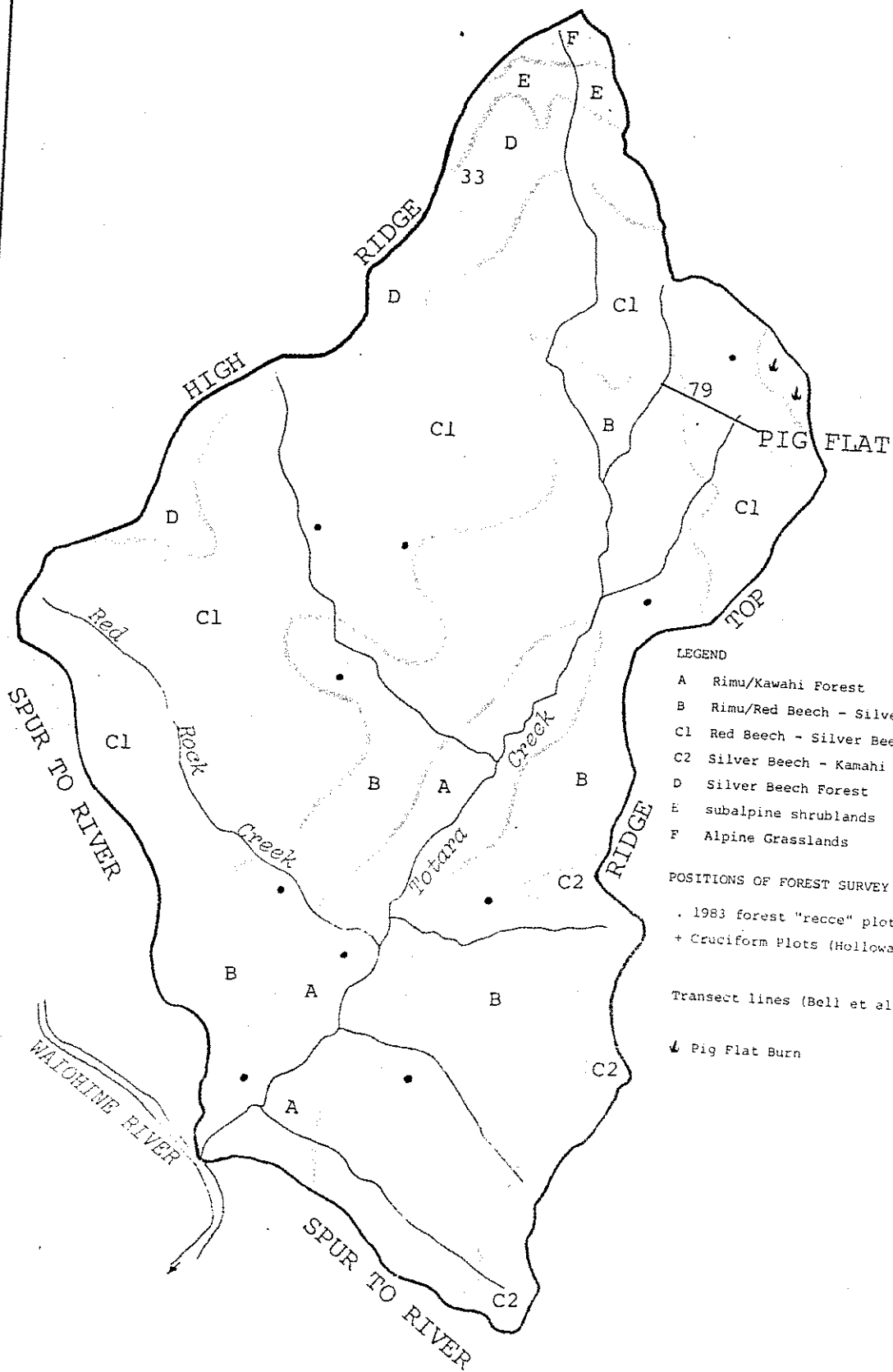
The area comprises a sequence of montane to alpine vegetation-types that is representative of the mid-eastern Tararua Ranges. Because of ongoing erosion in the area, these presently contain many different seral stages.

Wildlife in the area appears varied, so far over 32 species of invertebrate have been recorded.

Vertebrates are widespread in the area, and include many species of both native and introduced fauna. The area's birdlife comprises many species, the most commonly encountered being grey warbler, whitehead, tomtit, and rifleman.

Introduced animal species that have the greatest impact on native plants and animals in the area are red deer, goat, pig, possum, ship rat, stoat and the blackbird.

TOTARA CREEK ECOLOGICAL AREA



LEGEND

- A Rimu/Kawahi Forest
- B Rimu/Red Beech - Silver Beech - Kamahi Forest
- C1 Red Beech - Silver Beech - Kamahi Forest
- C2 Silver Beech - Kamahi Forest
- D Silver Beech Forest
- E subalpine shrublands
- F Alpine Grasslands

POSITIONS OF FOREST SURVEY PLOTS

- 1983 forest "recce" plots (Keenan 1985)
- + Cruciform Plots (Holloway et al 1963; Griffiths 1976)
- Transect lines (Bell et al - 1976; Brady 1983)

↓ Pig Flat Burn

FOREST-TYPE DISTRIBUTION

(Adapted after Nicholls (1974)):

