

SURVEY OF ECOLOGICAL SITE 543

Hikinui Stream Remnant

Pukera Farm (see map)
Property of John Barton
Ongha Street
Tel: 06 308 8420

This 10ha remnant is a significant area of forest on floodplain in the Wairarapa Plains ecological district. The remnant supports over 40 indigenous species of vascular plant (see attached list). The remnant is not fenced and has a heavily grazed understory. The remnant supports over 17 species of adventive plants some of which can be particularly invasive of indigenous vegetation (see attached list).

Permission to collect seed from the remnant was given by the land owner (John Barton). Seed was collected from *Mysine divaricata* during the survey. This seed was sent to Plantwise for cultivation.

Conclusions:

Ecological site number 543 is of biological importance for many indigenous species including the rare mistletoe *Korthalsella lindsayii*. The area is recommended for protection. This would entail fencing to physically protect the area. Removal of some of the pest plants would be advised before the remnant is fenced. For example, Japanese honeysuckle and boxthorn should be removed as these could pose a significant problem in the future development of the remnant as a habitat for indigenous species.

Survey date: 15/7/96.

by Aalbert Rebergen, Andrew Townsend and John Sawyer.

Preliminary checklist of
indigenous vascular plants
Ecological Site 543

Survey date: 15/7/96.

Ferns

Asplenium flabellifolium
Blechnum fluviatile
Pneumatopteris pennigera
Lastreopsis glabella
Pyrrosia eleagnifolia
Pellaea rotundifolia

Podocarps

Dacrycarpus dacrydioides
Prumnopitys taxifolia
Podocarpus totara

Monocot. trees & shrubs

Cordyline australis

Dicot. trees & shrubs

Streblus heterophyllus
Alectryon excelsus
Beilschmiedia tawa
Sophora tetraptera
Pennantia corymbosa
Hoheria populnea
Sophora microphylla
Nestegis cunninghamii
Plagianthus regius
Melicytus ramiflorus subsp *ramiflorus*
Melicytus micranthus
Melicope simplex
Lophomyrtus obcordata
Urtica ferox
Pseudopanax anomalum
Myrsine australis
Coprosma rubra
*Myrsine divaricata**

Dicot lianes

Passiflora tetrandra
Rubus schmidelioides var *subpauperatus*
Muehlenbeckia complexa

Monocot lianes

Ripogonum scandens

Parasites

Korthasella lindayii

Dicot herbs

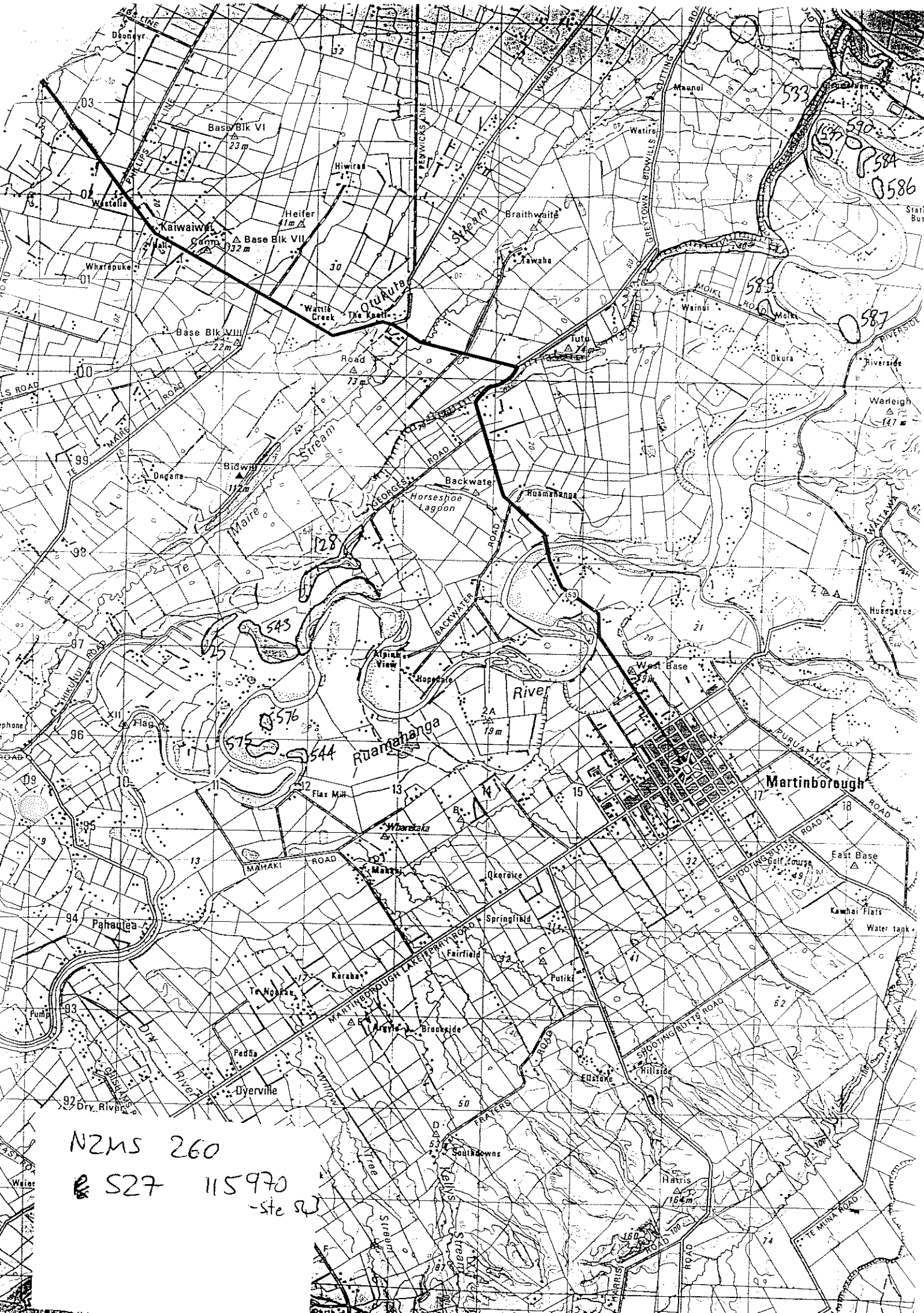
Hydrocotyle elongata
Hydrocotyle novae-zeelandiae
Haloragis erecta
Gnaphalium gymnocephalum
Cardamine debile

Grasses

Echopus ovatus
Microlaenia stipoides

Adventive plants

Datura stramonium Thornapple
Urtica urens
Lycium ferocissimum boxthorn
Solanum nigra niteshade
Conium maculatum hemlock
Cirsium vulgare Scotch thistle
Galium aparine
Ranunculus repens creeping buttercup
Trifolium repens clover
Prunella vulgaris
Lotus pedunculatus lotus
Plantago lanceolata
Chenopodium sp
Lonicera japonica Japanese
honeysuckle
Dactylus glomerata Cocksfoot
Festuca arundinacea tall fescue
Lolium perenne ryegrass



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