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ORCHIDS ON  
DEASE ✓

## Dunvegan Forest Remnants, PNAP site 1002A, Wairarapa Plains Ecological District.

Dunvegan forest remnants, approximately 18 km north of Masterton, PNA site 1002A, with a total area of 15 ha, is a beautiful example of totara/matai forest on the Wairarapa Plains. The forest is owned by Mr Mike Wyeth, who is a farmer at Dunvegan Station.

The forest has been visited on 3 and 6 February 1998 by Aalbert Rebergen (both dates) and Tony Silbery (on 6 Feb). Plant lists for 7 individual sites were made, and include information about the abundance of the individual plant species.

The fenced northern part (site 1) shows a primary forest as large parts of the plains may have looked like 200+ years ago. The present and previous land owners need to be congratulated for protecting such a site.

The presence of a small pocket of black beech is significant, as are some of the plants on the beech forest floor, such as *Acaena juvenca*, *Arthropodium candidum* and *Echinopogon ovatus*.

All 7 sites are interconnected and as such form one relatively large area of forest. Sites 5 and 6 are located on the "flats" and have been intensively grazed for a long time. The terrace slope (sites 1-4) appear to be less important from a grazing perspective, and as a result some areas (such as site 4) show little stock damage.

Possibilities for legal protection of the most significant parts of this PNA site need to be investigated and discussed with the land owner, Mr Wyeth.

### Site description:

1. Primary kahikatea/matai/totara forest, fenced. In good condition. Some weeds on boundaries. Among the tall trees some very large lemonwood trees. Lots of birds, including bellbird and NZ pigeon. May have bats. Grid T25.318.410 (not T25.318.402 as in T.Silbery and A.Rebergen's species list).

2. As site 1, but unfenced, grazed by cattle and sheep, modified primary forest. Some tawa dominated parts. On East facing bouldery terrace slope. Grid T25.318.405.

3. As site 2, but with a significant black beech component. Interesting plant species include *Acaena juvenca* and *Echinopogon ovatus*. Grid T25.317.407.

4. Totara dominated forest on an East and North facing bouldery slope, very much like site 2 but larger and in better condition. Includes some giant totara and matai trees. Forest extents onto the river terrace. Grazed, but with limited

damage to the vegetation. A fence divides this area from sites 3 and 5/6. Grid T25.317.402.

5. Block of regenerating mixed forest between areas 4 and 6, in a grazed paddock (sheep and cattle). Totara is significant component, but forest also includes unusual species such as northern rata and *Meliccytus* "blondin". Hawthorn is common throughout this block. Grid T25.319.402.

6. Typical river terrace forest, with components of totara, matai, titoki and tawa. Grazed with sheep and cattle. Understorey of divaricating shrubs, especially *Melicope simplex*. Grid T25.322.402.

7. Totara "forest" with some *Ileostylus micranthus*. Grid T25.316.405.

Sites 1, 2 and 3 were visited on 6 February 1998, by Tony Silbery and Aalbert Rebergen.

Sites 4, 5 and 6 were visited by Aalbert Rebergen on 3 February 1998, during this visit only woody plant species were recorded.

All sites were briefly visited on 20 March 1998 as part of the PNA programme by Aalbert Rebergen, to describe general forest types.

Aalbert Rebergen  
Conservation Officer  
DOC Masterton

Plant lists Dunvegan Forest remnants, PNA 1002A, sites 1-6(see map):

trees and shrubs		1	2	3	4	5/6
<i>Alectryon excelsus</i>	titoki		c	c	c	a
<i>Aristotelia serrata</i>	wineberry					
<i>Beilschmiedia tawa</i>	tawa	c			c	c
<i>Brachyglottis repanda</i>	rangiora	u		u	u	
<i>Carpodetus serratus</i>	putaputaweta	u	u		u	
<i>Coprosma areolata</i>		c			c	
<i>C. crassifolia</i>		u				
<i>C. grandifolia</i>						
<i>C. propinqua</i>		u		u		
<i>C. rhamnoides</i>		c				
<i>C. rigida</i>				u		u
<i>C. robusta</i>				u		
<i>C. rotundifolia</i>		u			u	
<i>Cordyline australis</i>	cabbage tree			u	u	
<i>Dacrycarpus dacrydoides</i>	kahikatea	c			u	u
<i>Dacrydium cupressinum</i>	rimu	u	u			
<i>Elaeocarpus dentatus</i>	hinau	u	u	u		
<i>Fuchsia excortica</i>	tree fuchsia	u	u	u	u	
<i>Geniostoma rupestre</i>	hangehange	u				
<i>Griselinia lucida</i>	puka	u	u		u	
<i>Hedycarya arborea</i>	pigeonwood	u	u		u	u
<i>Hoheria sixtylosa</i>	lacebark					u
<i>Ileostylus micranthus</i>	mistletoe			u	u	u
<i>Knightia excelsa</i>	rewarewa	u		u		u
<i>Kunzea ericoides</i>	kanuka					
<i>Leucopogon fasciculatus</i>	mingimingi		u			
<i>Lophomyrtus bullata</i>	ramarama					
<i>L.obcordata</i>	rohutu	u			u	
<i>Macropiper excelsum</i>	kawakawa	u				
<i>Melicope simplex</i>			u	u	c	c
<i>Melicytus micranthus</i>		u		u		
<i>M. "blondin"</i>						u
<i>M. ramiflorus</i>	mahoe	c				u
<i>Metrosideros robusta</i>	northern rata					2
<i>Myrsine australis</i>	mapou					
<i>Nestegis cunninghamii</i>	black maire	u	u	u	u	u
<i>N. lanceolata</i>	white maire					
<i>N. montana</i>	oro-oro	u	u	u		
<i>Nothofagus solandri</i>	black beech			c		
<i>Olearia rani</i>		u				
<i>Olearia virgata</i>		u				
<i>Pennantia corymbosa</i>	kaikomako	u	u			u
<i>Pittosporum eugenioides</i>	lemmonwood		u		u	u
<i>P. tenuifolium</i>		u				
<i>Plagianthus regius</i>			u			c
<i>Podocarpus totara</i>	totara	c	a	u	a	a
<i>Prumnnotitys taxifolia</i>	matai	c			c	
<i>Pseudopanax anomalus</i>		c				u
<i>P. arboreus</i>	five-finger	u				
<i>P. crassifolius</i>	lancewood			u	u	u
<i>Schefflera digitata</i>	pate	u				
<i>Solanum laciniatum</i>	poroporo			u		

<b>trees and shrubs (cont.)</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5/6</b>
<i>Sophora microphylla</i>	kowhai					
<i>Streblus heterophyllus</i>			u	u	u	
<i>Weinmannia racemosa</i>	kamahai	u				
<b>climbers</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5/6</b>
<i>Clematis forsteri</i>		u		u		
<i>C. paniculata</i>		u				
<i>Metrosideros colensoi</i>						
<i>M. diffusa</i>					u	
<i>M. perforata</i>					c	
<i>Muehlenbeckia australis</i>		c		c		
<i>M. complexa</i>				u	u	
<i>Parsonsia heterophylla</i>	NZ jasmine					u
<i>Passiflora tetrandra</i>	kohia	c				
<i>Ripogonum scandens</i>	supplejack	c			c	
<i>Rubus cissoides</i>	bush lawyer					
<i>R. schmidelioides</i>	bush lawyer					
<b>ferns</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5/6</b>
<i>Asplenium bulbiferum</i>		x		x		
<i>A. colensoi</i>		x	x	x		
<i>A. flabellifolium</i>			x	x		
<i>A. flaccidum</i>		x	x	x		
<i>A. hookerianum</i>		x	x	x		
<i>A. oblongifolium</i>		x		x		
<i>A. polyodon</i>		x				
<i>Blechnum chambersii</i>		x				
<i>B. filiforme</i>		x				
<i>B. fluviatile</i>		x				
<i>B. "black spot lowland"</i>		x				
<i>B. membranaceum</i>		x				
<i>Cyathea dealbata</i>		x	x	x		
<i>C. smithii</i>		x				
<i>Dicksonia fibrosa</i>		x			x	
<i>D. squarrosa</i>		x				
<i>Hypolepis ambigua</i>		x	x	x		
<i>Lastreopsis glabella</i>		x				
<i>Leptopteris hymenophylloides</i>		x				
<i>Paesia scaberula</i>			x			
<i>Pellaea rotundifolia</i>		x		x		
<i>P. pustulatus</i>		x		x		
<i>Polystichum richardii</i>		x	x	x		
<i>Pneumatopteris pennigera</i>		x				
<i>Pteridium esculentum</i>		x				
<i>Pteris tremula</i>				x		
<i>Pyrrhosia eleagnifolia</i>		x	x	x		
<i>Rumhora adiantiformis</i>		x				

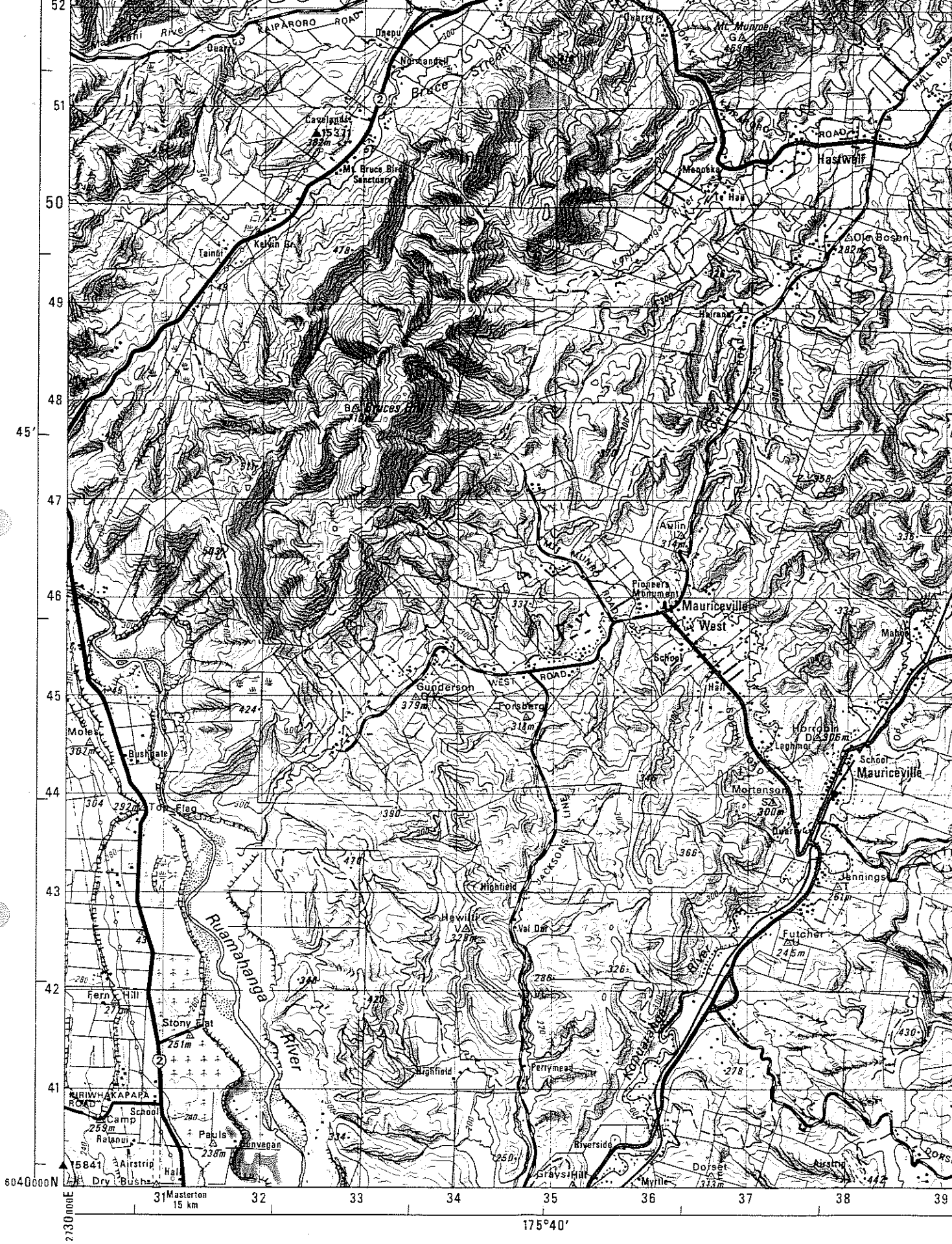
herbs, grasses, sedges, rushes and orchids	1	2	3	4	5/6
<i>Aceana juvenca</i>			x		
<i>Arthropodium candidum</i>		x	x		
<i>Australina pusilla</i>				x	x
<i>Cardamine</i> "long style"	x				
<i>C. sp.</i>		x			
<i>Collospermum hastatum</i>	x				
<i>C. microspermum</i>	x		x		
<i>Dichondra brevifolia</i>			x		
✓ <i>Earina autumnalis</i>	x				
✓ <i>E. mucronata</i>	x				
<i>Echinopogon ovatus</i> hedgehog grass			x		
<i>Gnaphalium sp.</i>		x	x		
<i>Hydrocotyle elongata</i>		x	x		
<i>H. moschata</i>		x	x		
<i>H. novae-zelandiae</i>	x				
<i>Leptinella squalida</i>			x		
<i>Luzula banksiana</i>			x		
<i>Microlaena avenacea</i>	x				
<i>Oxalis exilis</i>	x	x	x		
<i>Stellaria decipiens</i>	x				
<i>Uncinia banksii</i>	x				
<i>U. uncinata</i>	x				
<i>Urtica incisa</i>	x		x	x	
<i>Viola filicaulis</i>	x				

Weeds	1	2	3	4	5/6
gorse	u			l	
broom	u				
blackberry	l		l	u	
rosehip				u	
pine	l				
hawthorn		l	l	c	c
ilex				l	l
berberry		l	l	l	l
walnut				u	
wandering jew					l

Birds	1	2	3	4	5/6
Tui	x	x	x	x*	x
Bellbird	x				
Shining cuckoo	x			x	x
NZ pigeon	x	x	x	x	x
Fantail	x	x	x	x	x
Grey warbler	x			x	
Silvereye	x				x

\* = including fledged juveniles

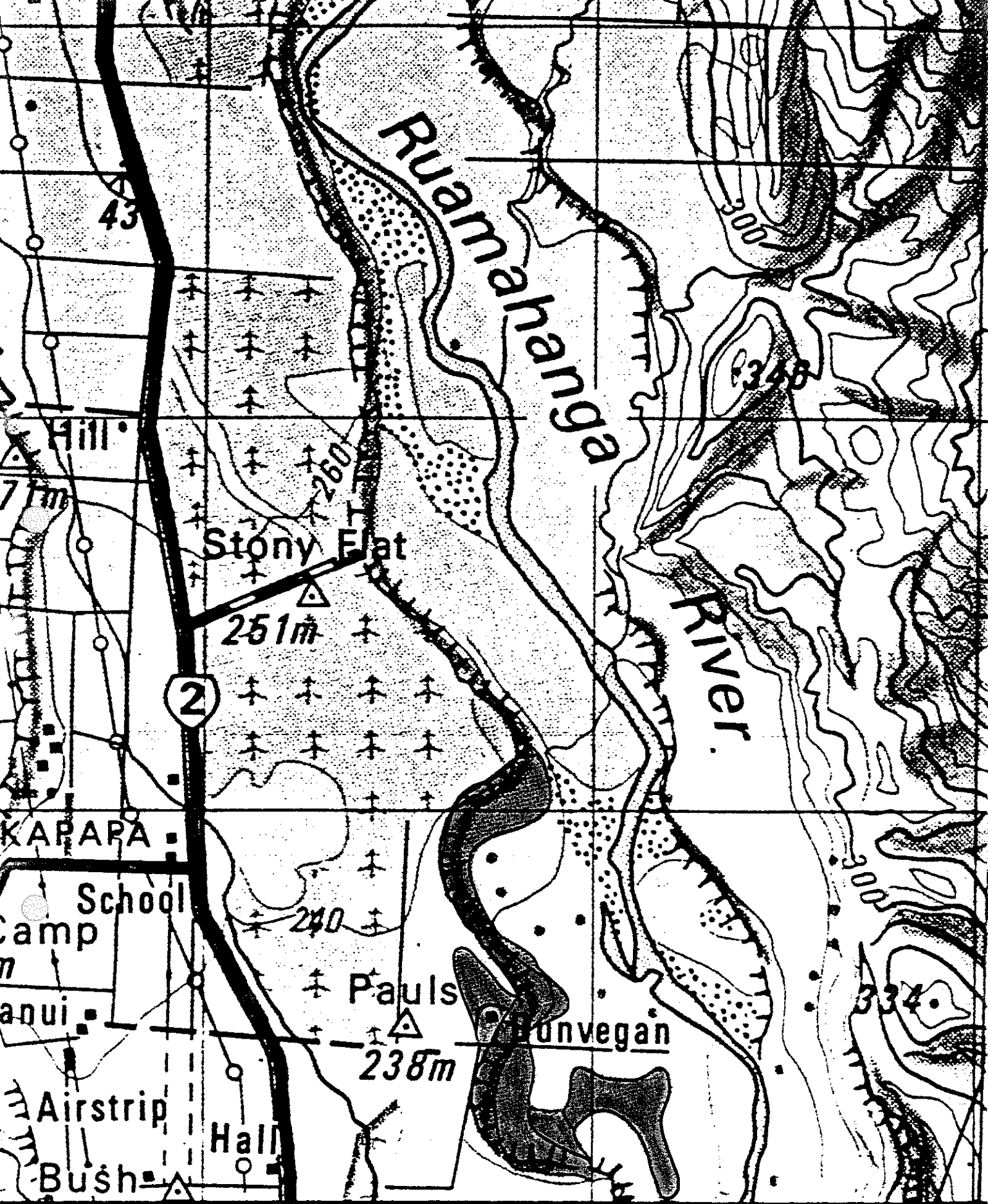
a = abundant, c = common, u = uncommon (or actual no. of individuals), l = local (may be common in small areas), x = recorded, no information about abundance.



6040000N  
2730 mndE

31 Masterton  
15 km

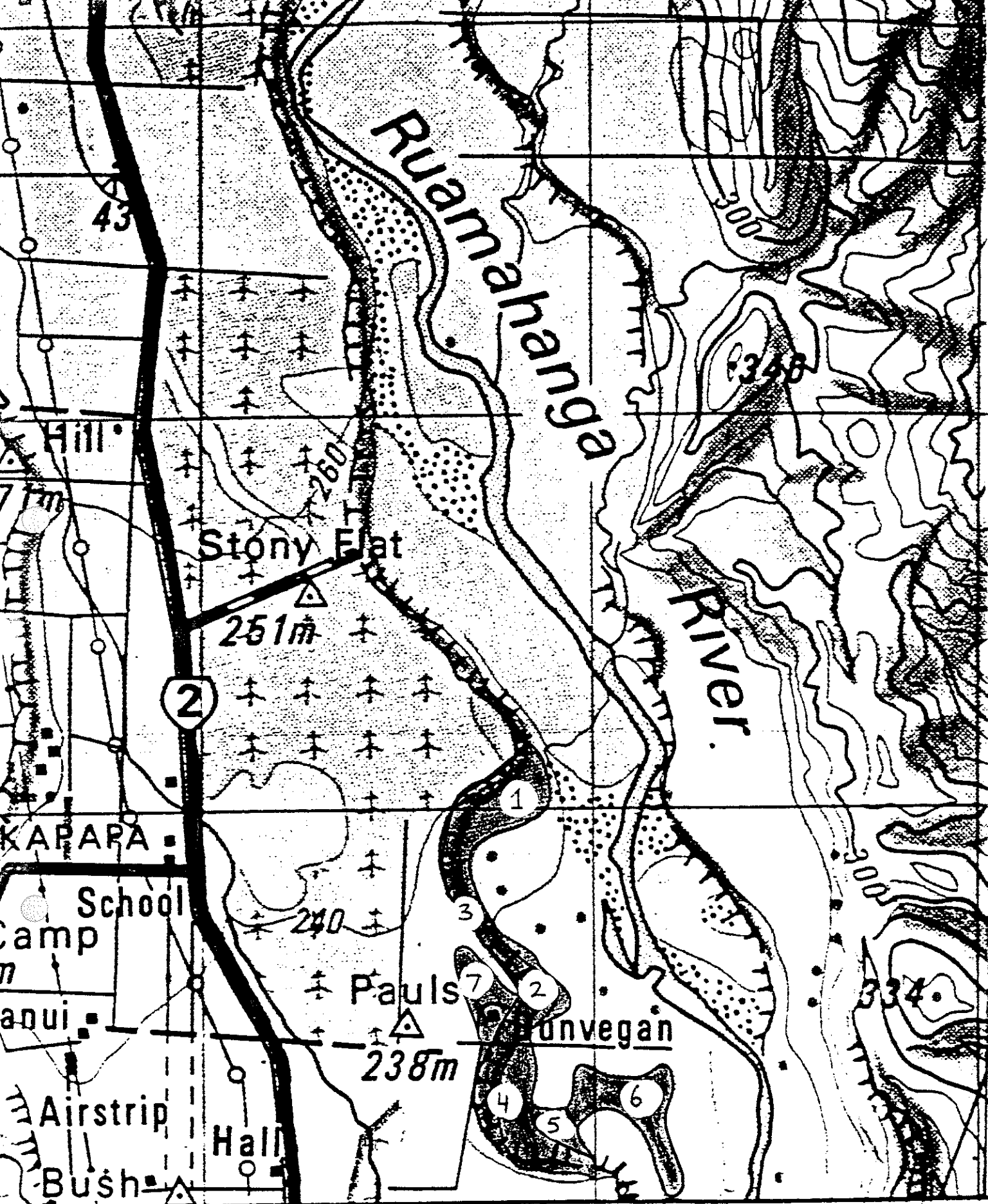
175°40'



31 Masterton  
15 km

32

33



31 Masterton  
15 km

32

33