

bracken and a notable forest fragment including mahoe, *Macropiper*, five finger and some kanuka.

### W93 PUKERUA BAY

Grid refs.	-	NZMS1 N160 440532		NZMS260 R26 690180
Length	-	0.5 km		
Structure	-	Very low sand mounds		
Material	-	Sand		
Trend	-	Stable		
Hinterland	-	Road, housing		
Communities	-	Ice plant. Spinifex. Boxthorn. Taupata		
Present use	-	Intensive recreation, urban		
Grazing	-	Low		
Observer	-	I. A. E. Atkinson		
Rating	-	Diversity 2	Natives 1	
		Modification 0	Weeds 1	
		<u>Total = 4</u>		

Sand mounds between the road and the beach carry ice plant with tree mallow and taupata shrubland, and patches of Indian doab. Spinifex, flax and boxthorn are all present.

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R.M.H.

### W94 HONGOEKA BAY

Grid refs.	-	NZMS1 N160 404487		NZMS260 R26 656140
Length	-	0.5 km		
Structure	-	Gravel beach		
Material	-	Gravel		
Trend	-	Stable		
Hinterland	-	Farmland, some housing		
Communities	-	Taupata		
Present use	-	Recreation		
Observer	-	I. A. E. Atkinson		
Rating	-	Diversity 1	Natives 1	
		Modification 0	Weeds 1	
		<u>Total = 3</u>		

The gravel beach has some taupata with *Senecio angulatus*.

### W95 MAKARA BEACH

Grid refs.	-	NZMS1 N164 277298		NZMS260 R27 535971
Length	-	0.25 km		
Structure	-	Gravel beach		

Material	-	Gravel			
Trend	-	Stable			
Hinterland	-	Hilly farmland and baches			
Communities	-	Silver tussock/ice plant/ <i>Scirpoides</i>			
Present use	-	Recreation			
Observer	-	I. A. E. Atkinson			
Rating	-	Diversity	1	Natives	2
	-	Modification	1	Weeds	1
		<u>Total = 5</u>			

The gravel carries silver tussock with *Scirpoides*, ice plant and horned poppy.

### W96 WHATARANGI

Grid refs.	-	NZMS1 N168 732980		NZMS260 S28 943668	
Length	-	3 km			
Structure	-	Low regular flat-topped dunes varying in width between 5 and 50 m			
Material	-	Sand and gravel			
Trend	-	Unstable in places			
Hinterland	-	Farmland, road			
Communities	-	Spinifex/sand sedge/pingao. Lupin. Gorse			
Present use	-	Farming			
Grazing	-	Medium			
Observer	-	G. M. Rodgers			
Rating	-	Diversity	2	Natives	2
	-	Modification	3	Weeds	2
		<u>Total = 9</u>			

Marram is absent from these dunes. The vegetation consists of a spinifex/sand sedge mixture with pingao, lupin and gorse. Horned poppy and haretail are also present.

### W97 TE HUMENGA POINT

Grid refs.	-	NZMS1 N168 725930		NZMS260 S28 935622
Length	-	6 km		
Structure	-	High hummocky dunes. Fore-dune hummocks are irregular and there is a sand plain behind. Rear dunes occur some 200 m back from the beach and are about 50 m wide		
Material	-	Coarse sand		
Trend	-	Fore-dune is unstable and eroding in places, and the rear dunes are also unstable		
Hinterland	-	Road, hills		
Communities	-	Spinifex/pingao. Spinifex/sand sedge/ <i>Scirpoides</i> . <i>Cyperus</i>		
Other values	-	Conservation—absence of marram		
Observer	-	G. M. Rodgers		



# The Sand Dune and Beach Vegetation Inventory of New Zealand

## I. North Island

Trevor R. Partridge

DSIR Land Resources, Lincoln

DSIR Land Resources Scientific Report No. 15

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Private Bag  
Christchurch  
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