

(b.) LIST OF THE INDIGENOUS SPERMOPHYTA AND PTERIDOPHYTA OF THE NEW ZEALAND DUNES.

EXPLANATION OF ABBREVIATIONS USED.

N = northern botanical province of New Zealand. C = central botanical province of New Zealand. S = southern botanical province of New Zealand. Ker = Kermadec botanical province of New Zealand. Ch = Chatham Islands botanical province of New Zealand. Sub. = the Subantarctic botanical province of New Zealand. Aus = Australian and Tasmanian (one or both). S.A. = South American and Subantarctic, excluding the New Zealand portion (one or both). Pol. = Polynesian. Mal. = Malayan or South Asian (one or both). Cos. = generally distributed in temp. (= temperate) or trop. (= tropical) lands. Plants confined to the dunes, or nearly so, are printed in bold type. Plants specially common on the dunes are marked with an asterisk. 0 = occurring at not more than 1,000 ft. altitude. 1 = occurring at not more than 2,000 ft. 2 = occurring at not more than 3,000 ft. 3 = occurring up to 3,000 ft. and upwards.

Species, Family, &c.	Maori Name.	English Name.	Distribution.			Plant Association of Dunes.	Growth-form.	Remarks.
			Beyond New Zealand, or Endemic.	Within New Zealand.	Altitude.			
FILICES.								
* <i>Pteridium esculentum</i> Forst. f. (Cockayne) ..	Rau - aruhe ; rahu- rahu ..	Common bracken ..	Aus., S.A. ..	Ker., N., C., S., Ch., Sub.	3	Heath ; grass dune ..	Fern, with stout creeping underground stem.	Except for a few localities in the Aupouri Peninsula, is confined to vicinity of hot springs.
<i>Nephrodium unitum</i> R. Br. ..	..	..	Cos. trop. ..	N., C. ..	1	Sand-hollow, moist ..	Fern, with creeping rhi- zome	
SCHEUZERIAEAE.								
<i>Triglochin striata</i> Ruiz & Pav. var. <i>filifolia</i> (Sieb.) Buchenau	..	Three-ribbed arrow- grass	Aus., S.A. ..	N., C., S., Ch.	0	Sand-hollow, moist ..	Herb, small, stoloniferous.	
GRAMINEAE.								
<i>Imperata Cheesemani</i> Hack. ..	..	..	End. ..	Ker. ..	0	<i>Pes caprae</i> dune ..	Grass, tall.	Not on dunes of the south.
* <i>Zoysia pungens</i> Willd. ...	..	..	Aus., Mal., E. Asia	N., C., S. ..	1	Semi-stable dune ; sand-hollow ; grass dune	Grass, small, matted with long creeping rhizome	
<i>Spinifex hirsutus</i> Labill. ..	..	Silvery sand-grass ..	Aus., New Cal.	N., C. ..	0	Sand-grass dune ..	Grass, sand-binder ..	As far as Gore Bay in the south.
<i>Microaena stipoides</i> R. Br. ..	..	Meadow rice-grass ..	Aus., Norf. I.	N., C., S. ..	1	Grass dune	Grass, medium, creeping rhizome.	
* <i>Calamagrostis Billardieri</i> (R. Br.) Steud.	..	..	Aus. ..	N., C., S., Ch.	0	Sand-grass dune ; sand-hollow	Grass, moderate, tufted.	
<i>Dichelachne crinita</i> (Forst. f.) Hook. f. ..	..	Long-haired plume- grass	Aus., Norf. I.	Ker., N., C., S., Ch.	2	Grass dune	Grass, tall, tufted.	
<i>Danthonia pilosa</i> R. Br. ..	..	Purple-awned oat- grass	Aus. ..	Ker., N., C., S., Ch.	3	Grass dune	Grass, medium, tufted.	
* ——— var. <i>tacemosa</i> Buch.	..	..	End. ..	N., C., S. ..	1	Grass dune	Grass, medium, tufted.	
* ——— <i>semiannularis</i> R. Br. ..	..	Common oat-grass ; danthonia	Aus. ..	N., C., S., Ch.	3	Grass dune	Grass, medium, tufted.	
<i>Eleusine indica</i> Gaertn. ..	..	..	Cos. trop. ..	Ker. ..	0	<i>Pes caprae</i> dune ..	Grass, medium, annual ..	Also naturalized in central and northern botanical provinces.
* <i>Aristida conspicua</i> Forst. f. ..	Toetoe-kakaho ..	New Zealand reed ..	End. ..	N., C., S., Ch.	2	Semi-stable dune ; shrub dune	Tussock-grass of immense size, semi-sand-binder.	
<i>Poa pusilla</i> Berggr. var. <i>seticulmis</i> (Petrie) Cockayne var. nov. = <i>P. seticulmis</i> Petrie in Trans. N.Z. Inst. 34, p. 391, 1902	..	..	End. ..	N., C., S. ..	2	Grass dune	Grass, tufted, small.	
—— <i>caespitosa</i> Forst. f. ..	..	Common tussock- grass	Aus. ..	N., C., S. ..	3	Semi-stable dune ; inland dunes	Tussock-grass, tall, semi- sand-binder	Only on dunes in the south.