

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

Species, Family, &c.	Maori Name.	English Name.	Distribution.			Plant Association of Dunes.	Growth-form.	Remarks.
			Beyond New Zealand, or Endemic.	Within New Zealand.	Altitude.			
VIOLACEAE.								
<i>Viola Cunninghamii</i> Hook. f.	..	Common New Zealand violet	Aus.	C., S., Ch.	3	Fixed dune	Herb, small, open rosette-form	Dunes near Colac, Southland.
<i>Melicthys ramiflorus</i> Forst.	Mahoe	Whitewood ; cowleaf	Pol., Norf. I.	Ker., N., C., S.	2	Ancient fixed dune	Tree, low	North Island dunes, but not common.
THYMELAEACEAE.								
*Pimelea arenaria A. Cunn.	Aute-tauranga ; to-roheke	Sand-pimelea	Endl.	N., C., S., Ch.	0	Semi-stable dune shrub dune	Shrub, low, dense	Not on Stewart Island or Southland dunes.
— <i>laevigata</i> Gaertn.	..	Common pimelea	Endl.	N., C., S.	3	Dune-hollow ; heath ; grass dune	Shrub, small, procumbent.	
— <i>Lyallii</i> Hook. f.	..	Lyall's pimelea	Endl.	C., S.	3	Semi-stable dune	Shrub, procumbent	Only on dunes of Southland and Stewart Island.
MYRTACEAE.								
*Leptospermum scoparium Forst.	Kahikatoa ; manuka	Red tea-tree	Aus.	N., C., S., Ch.	3	Ancient fixed dune ; heath ; sand-hollow	Shrub, tall.	
*— ericoides A. Rich.	Kanuka ; manuka	White tea-tree	Endl.	N., C., S.	2	Heath ; sand-hollow ; ancient fixed dune	Shrub or tree, tall	Always a shrub on the exposed dune.
— <i>lineatum</i> (T. Kirk) Cockayne sp. nov. = <i>L. ericoides</i> var. <i>lineatum</i> T. Kirk in Students' Flora, p. 158	..	Narrow-leaved tea-tree	Endl.	N.	0	Heath ; sand-hollow	Shrub, low or medium	This differs from <i>L. ericoides</i> in its being always a shrub, in its very narrow linear silky leaves and small flowers. It is constant over wide areas, and is recognized from <i>L. ericoides</i> at a glance.
<i>Metrosideros lucida</i> (Forst. f.) A. Rich.	Rata	Southern rata ; iron-wood	Endl.	N., C., S. Sub.	3	Dune forest	Tree, medium	Only on dunes (western) of Stewart Island, and formerly in some parts of Southland.
— <i>tomentosa</i> A. Rich.	Pohutakawa	Christmas-tree	Endl.	N.	1	Fixed dune ; semi-stable dune	Tree, medium	Very rare on dunes, and especially where not stable. Extends on west for short distance into central province.
ONAGRACEAE.								
*Epilobium Billardierianum Ser.	..	Red-stemmed willow-herb	Aus.	N., C., S., Ch.	0	Sand-hollow, moist	Herb, erect, moderate.	
— <i>juncum</i> Sol.	..	Narrow-leaved willow-herb	Aus.	N., C., S.	3	Sand-hollow	Herb, erect, moderate.	
— <i>confertifolium</i> Hook. f.	..	..	Endl.	Sub.	1	Fixed dune	Herb, creeping	
*— nerterioides A. Cunn.	..	Wrinkled willowherb	Endl.	N., C., S., Ch., Sub.	2	Sand-hollow	Herb, creeping	Dunes of Auckland Islands.
HALORRHAGACEAE.								
<i>Halorrhagis incana</i> Walp.	..	..	Endl.	N.	0	Heath	Herb, semi-erect, low.	
— <i>procumbens</i> Cheesem.	..	..	Endl.	N., C., S.	1	Heath	Herb, prostrate.	
*Myriophyllum Volschii Schindler	..	..	Endl.	N., C., S.	1	Sand-hollow, moist	Herb, minute.	
*Gunnera arenaria Cheesem.	..	Sand-gunnera	Endl.	N., C., S.	0	Sand-hollow, moist	Herb, creeping, forming patches.	Especially abundant in western Wellington.