

PLANTS NOTED IN 1971 BEALEY CRAG (Continued)

Hymenanchera alpina
Nothofagus solandri var. cliffortoides
Leptospermum scoparium
Olearia ilicifolia
Olearia avicenniaefolia
Phyllocladus alpinus
Pteridium aquilinum var. esculentum
Pittosporum anomalum
Pittosporum tenuifolium
Pseudopanax crassifolium
Rubus schmidelioides

ORCHIDS:

Microtis
Prasopphyllum
Thelymitra

FERNS:

Blechnum capense
Blechnum pennamarina

SEDGES

RUSHES

PLANTED SINCE 1954:

Aciphylla colensoi
Cassinia fulvida
Cassinia vauvilliersii
Cordyline australis
Dracophyllum longifolium
Hebes
Kowhais
Hoheria glabrata
Hoheria sexstylosa
Phormium tenax
Phormium colensoi
Podocarpus totara
Podocarpus nivalis

PLANTS OF SALT MEADOW AND SAND DUNES AT THE
WAIMAKARIRI ESTUARY AT BROOKLANDS

By: Bryony Macmillan

On a walk from the end of Anfield Street, Brooklands, to the waters

edge (Map ref. N.Z.M.S.I. S76:06-71-), these plants can be seen :-

SALT MEADOW:

Juncus maritimus var. australiensis	sea rush
Scirpus nodosus	
Scirpus americanus	three-square
Scirpus cernuus	
Triglochin striatum	
Puccinellia stricta	
* Parapholis incurva	sickle grass
* Plantago coronopus	buck's-horn plantain
Salicornia australis	glasswort
Samolus repens	
Selliera radicans	
Spergularia marginata	sea spurry
Atriplex "hastata"	
Plagianthus divaricatus	

AT THE EDGES OF DUNES:

Suaeda maritima
Apium australe
Carex pumila

SAND DUNES:

* Ammophila arenaria	marram grass
* Lupinus arboreus	tree lupin
* Festuca arundinacea	tall fescue
* Bromus diandrus	riggut brome
* Calystegia soldanella	shore bindweed
* Hypochaeris radicata	catsear
* Crepis capillaris	hawksbeard
* Sonchus oleraceus	sow thistle
* Rumex acetosella	sheep's sorrel
* Senecio glomeratus	
* Trifolium arvense	haresfoot trefoil
* Holcus lanatus	yorkshire fog
* Vicia angustifolia	common vetch
* Galium aparine	cleavers
* Agropyron junceiforme	sandcouch
* Cassinia vauvilliersii	
* Sambucus nigra	elder
* Cytisus scoparius	broom
* Ulex europeus	gorse
* Pinus radiata	
* Achillea millefolium	yarrow
Phormium tenax	flax
* Carpobrotus edulis	ice-plant

MOSSES ON SAND DUNES:

Bryum truncorum
Ceratodon purpureus
Triquetrella papillata
Campylopus introflexus
Bryum dichotomum

Adventive species are marked *. It can be seen that of the salt meadow plants only two are not natives, while only four of the dune plants are natives and none of these is abundant.

In winter Scirpus americanus, Carex pumila, and Calystegia soldanella are not seen as their aerial shoots die down. Seeds of many of the adventive plants germinate in the autumn and seedlings are abundant, especially Lupinus arboreus, Vicia angustifolia and Plantago coronopus. Gorse, hawksbeard and ice-plant are flowering in July and small cushions of the moss Ceratodon purpureus are massed with immature capsules.

I am grateful to my father who chose this place with its good view of Banks Peninsula across the estuary, for a painting expedition on which I accompanied him.

FURTHER READING:

Mason R.	The Vegetation of the Coast, in The Natural History of Canterbury. Ed. G.A. Knox, 1969, pp 95-105.
Moore L.B. & Adams N.M.	Plants of the New Zealand Coast. 1963.

A CONSERVATION PROJECT

By: Lester H. Kyle

McLennan's Bush lies at the South-East flank of Mt. Hutt, in Mid-Canterbury, taking up the floor of a small valley between the 1700 and 1800 ft. contour lines. It is part of the still extensive nothofagus forest that once extended unbroken from Mt. Hutt to Mt. Somers, and here at McLennan's Bush the beech reaches to the edge of the plains, as it does again at Alford Forest, five miles further south. This valley, which lies between Pudding Hill Stream, and a small area of downland to the north, has had the flat partly cleared for grazing, and over the cleared land a few black beech still stand scattered. There is also a fair bit of open swamp, a little cleared