"Report on the CI Taiko & C.I. Petrel Recovery Programmes (1990/91)" by G.A. Taylor Threatened Species Unit
Threatened Species Occasional Publication no 2.

TABLE 14. Measurements of yellow-eyed penguin, South East Island.

	(mm)
Bill Length - ·	56.6
Bill Depth at base	25.0
Head Length + bill	143.0
Heel to mid claw pad	123.5
Flipper Length	234.0

Chatham Island pigeon

During the September visit, I carried out a number of observations of CI pigeons, in particular obtaining feeding and movement data from the two birds that had transmitters attached in July 1990. All these observations were put onto the Chatham Island Field Centre pigeon database so I will not summarise them here. One unusual sighting was a group of five CI pigeons together in a tarahinau in the Awatotara Valley on 27/9/90. These birds were displaying and chasing each other. A CI pigeon was seen in the Tuku Valley up from Taiko Hill on 24/9/90. Chatham Island pigeons were seen eating CI mahoe flowers and leaves, hoho leaves and green fruit, *Hebe barkeri* leaves, and karamu flowers and green fruit during September. A CI pigeon watch carried out by Andy Grant, Sharon Walker, John Andrew, Euan Kennedy and myself located 25 CI pigeons using the Awatotara and mid to lower Tuku Valley on 8/2/91.

One CI pigeon was seen roosting in a ribbonwood tree in the Kokopu Creek catchment on South East Island on 28/1/91. The bird seemed plump and healthy. No bands were visible when checked carefully from below.

Flora of South East Island

While on South East Island, I recorded the species of plants present on the island and estimated their relative abundance (Appendix 3). The flora includes 134 species of vascular plants, 93 (70%) of which are native. Several plants were extremely rare and were known from less than five individuals. These included Hebe barkeri, Dicksonia squarrosa, Corokia macrocarpa, Linum monogynum and Schoenoplectus pungens.

In a survey of the summit area and western cliffs on 31/1/91, I noted that Festuca coxii was extremely abundant (1000's of plants). On a steep slope directly south of the Western Summit is a herbfield dominated by Myosotidium hortensia (100's of plants) and Aciphylla dieffenbachii (50-100 plants), some with yellow flower heads and others with seeds. I saw o evidence of Aciphylla weevil chewing on the stems of these plants. Three plants of 'bergeria grandifolia were present (one large plant with green seed capsules, one large t with no seed capsules and one seedling). A few plants of Lepidium oleraceum were resent and at least 11 plants were found on the ridge east of the Eastern Summit.

from ! Report on the Chathan Stand talks & Chathan of Terret Recovery logicarnines (1990/91) Threshold Species Occasional Publication No. 2

Gracine A. Taylor 1991

APPENDIX 3. FLORA OF SOUTH EAST ISLAND

SCIENTIFIC NAME	COMMON NAME	ABUNDANCE SCALE
FERNS (16)		
Asplenium bulbiferum A. chathamense A. oblongifolium A. obtusatum Blechnum sp. 1 "capense" B. durum B. penna-marina Cyathea dealbata C. ?smithii Dicksonia squarrosa	hen and chickens fern shining spleenwort shore spleenwort kiokio silver fern soft tree fern rough tree fern	R C R O-C L O L R R
Histiopteris incisa Hypolepis lactea Phymatosorus diversifolius Polystichum "chatham" Pteridium esculentum Pyrrosia eleagnifolia	water fern hound's tongue shield fern bracken leather-leaf fern	A L L O C
TREES, SHRUBS AND CLIMBERS - N Calystegia soldanella C. tuguriorum Coprosma chathamica "repens form" C. chathamica	ative Dicots (22) shore bindweed karamu karamu	R O O A
Corokia macrocarpa Corynocarpus laevigatus Dracophyllum arboreum Haloragis erecta Hebe barkeri H. chathamica	- kopi tarahinau toatoa koromiko	R O L L R
H. dieffenbachii Macropiper excelsum Melicytus chathamicus Muehlenbeckia australis Myoporum laetum	kawakawa - Chatham Is mahoe - ngaio	O A A A
Myrsine chathamica Olearia chathamica O. traversii Plagianthus regius Pseudopanax chathamicus	matipo keketerehe akeake lowland ribbonwood hoho	C A LC A A C
Solanum aviculare Urtica australis	poroporo southern nettle	o c
TREES, SHRUBS AND CLIMBERS - Intr		
Calystegia sepium Physalis peruviana Rubus fruticosus	pink bindweed Cape gooseberry blackberry	L R C
TREES, SHRUBS AND CLIMBERS - Nati	ve Monocots (2)	
Phormium tenax "chatham" Ripogonum scandens	NZ flax supplejack	c c

DICOT HERBS - Native (35)

. ,		
	bidibid	С
√Aciphylla dieffenbachii	coxella	L
✓Apium prostratum	native celery	С
Chenopodium glaucum	glaucous goosefoot	C
Colobanthus muelleri	-	R
Cotula coronopifolia	buttonweed	0
Crassula moschata	-	LA
/ Dichondra repens	Mercury Bay weed	0
Disphyma papillatum	Chatham ice plant	Α
Einadia allanii	-	L
E. trigonos	<u>-</u>	С
Embergeria grandifolia Epilobium billardiereanum	Chatham sowthistle	R
Geranium traversii	-	0
Hydrocotyle novae-zeelandiae "chatham"		0
Lagenifera pumila	pennywort	R
Lepidium oleraceum	Coole's source areas	0
Leptinella ?squalida	Cook's scurvy grass bachelors'buttons	R C
Linum monogynum	rauhuia	R
Lobelia anceps	shore lobelia	0
Myosotidium hortensia	Chatham forget-me-not	L
Oreomyrrhis colensoi	-	R
Parietaria debilis	-	Ö
Potentilla anserinoides	silverweed	Ĺ
Pratia arenaria	-	ō
Pseudognaphalium luteoalbum	Jersey cudweed	Ċ
Ranunculus reflexus	hairy buttercup	0
Rumex neglectus	shore dock	0
Samolus repens	-	С
Sarcocomia quinqueflora	glasswort	LC
Selliera radicans	-	0
Senecio lautus S. radiolatus	shore groundsel	C
Stellaria parviflora		C
Tetragonia trigyna	native chickweed native spinach	0
· · · · · · · · · · · · · · · · · · ·	native spinach	0
DICOT HERBS - Introduced (26)	•	
, ,		
Achillea millefolium	уагтоw	R
Anagallis arvensis s.s.	scarlet pimpernel	0
Carduus tenuiflorus	winged thistle	R
Cerastium fontanum	mouse-ear chickweed	0
C. glomeratum	annual mouse-ear chickweed	R
Chenopodium murale 1029	nettle-leaved fat-hen	LC
Cirsium vulgare	Scotch thistle	0
Coronopus didymus Geranium molle	twin cress	R
Hypochoeris radicata	dove's foot cranesbill	R
Leontodon taraxacoides	catsear	L
Lotus pedunculatus	hawkbit birdsfoot trefoil	o,
Plantago ?australis		L
P. coronopus	hairy plantain buck's horn plantain	0
P. lanceolata	narrow-leaved plantain	C L
Rorippa nasturtium-aquaticum	watercress	0
Rumex acetosella	sheep's sorrel	Ö
R. pulcher 1038	fiddle dock	ő
Sagina procumbens	pearlwort	Ö
Solanum tuberosum	potato	Ľ
Sonchus oleraceus	puha	č
Taraxacum officinale	dandelion	R
Trifolium dubium	suckling clover	0

T. repens Vicia sativa Vicia sp.	white clover vetch	o o o
MONOCOT HERBS, RUSHES, SEI	DGES (11)	
Carex trifida Carex sp. Eleocharis acuta Isolepis cernua I. nodosa Luzula banksiana var. acra Microtis unifolia Schoenoplectus pungens Thelymitra sp. Triglochin striatum Uncinia uncinata	coastal woodrush onion orchid sun orchid arrow-grass hook grass	A A L C O L O R O L R
GRASSES - Native (7)		
Dichelachne crinita Deyeuxia billardierei Festuca coxii Hierochloe redolens Poa chathamica Rytidosperma sp Trisetum antarcticum GRASSES - Introduced (12)	plume grass sand wind-grass holy grass -	O O A L C R O
Agrostis tenuis Aira caryophyllea Anthoxanthum odoratum Bromus hordeaceus B. willdenowii Dactylis glomerata ?Digitaria sanguinalis Holcus lanatus Hordeum murinum Lolium perenne Poa annua Vulpia bromoides	browntop silvery hair-grass sweet vernal soft brome prairie grass cocksfoot summer grass Yorkshire fog barley grass perennial ryegrass annual poa squirrel-tail fescue	A C R C C A L C O C L O

ABUNDANCE SCALE

A = Abundant

O = Occasional

L = Local

C = Common

R = Rare