

Dicotyledons				
<i>Alectryon excelsus</i>	ABS	<i>Lotus pedunculatus</i> *	ABS	<i>Astelia trinervia</i>
<i>Alseuosmia macrophylla</i>		<i>Melicytus macrophyllus</i>		<i>Carex banksiana (Uncinia)</i>
<i>Beilschmiedia tarairi</i>		<i>Melicytus ramiflorus</i>		<i>Carex uncinata (Uncinia)</i>
<i>Beilschmiedia tawa</i>		<i>Metrosideros fulgens</i>		<i>Cordyline australis</i>
<i>Brachyglottis repanda</i>		<i>Metrosideros perforata</i>		<i>Cordyline banksii</i>
<i>Callitriche stagnalis</i> *	ABS	<i>Metrosideros robusta</i>		<i>Cordyline pumilio</i>
<i>Carmichaelia australis</i>		<i>Mida salicifolia</i>		<i>Cortaderia selloana</i> *
<i>Carpodetus serratus</i>		<i>Myrsine australis</i>		ABS
<i>Centaurium erythraea</i> *	ABS	<i>Myrsine salicina</i>		<i>Dendrobium cunninghamii</i>
<i>Centella uniflora</i>		<i>Nertera depressa</i>		<i>Dianella nigra</i>
<i>Clematis cunninghamii</i>		<i>Nertera dichondrifolia</i>		<i>Earina autumnalis</i>
<i>Clematis paniculata</i>		<i>Nestegis lanceolata</i>		<i>Earina mucronata</i>
<i>Coprosma arborea</i>		<i>Olearia furfuracea</i>		<i>Entolasia marginata</i> *
<i>Coprosma grandifolia</i>		<i>Olearia rani</i>		ABS
<i>Coprosma lucida</i>		<i>Passiflora</i> sp.*	ABS	<i>Freycinetia banksii</i>
<i>Coprosma rhamnoides</i>		<i>Piper excelsum</i>		<i>Gahnia lacera</i>
<i>Coprosma robusta</i>		<i>Pittosporum cornifolium</i>		<i>Gahnia pauciflora</i>
<i>Corynocarpus laevigatus</i>		<i>Pittosporum tenuifolium</i>		<i>Gahnia setifolia</i>
<i>Cotoneaster glaucophyllus</i> *	ABS	<i>Prunella vulgaris</i> *	ABS	<i>Gahnia xanthocarpa</i>
<i>Dodonaea viscosa</i>		<i>Pseudopanax arboreus</i>		<i>Hedychium gardnerianum</i> *
<i>Dracophyllum latifolium</i>		<i>Pseudopanax crassifolius</i>		ABS
<i>Dysoxylum spectabile</i>		<i>Quintinia serrata</i>		<i>Isolepis reticularis</i>
<i>Elaeocarpus dentatus</i>		<i>Ranunculus reflexus</i>		<i>Libertia grandiflora</i>
<i>Euchiton japonicus</i>		<i>Raukua edgerleyi</i>		<i>Libertia ixioides</i>
<i>Galium propinquum</i>		<i>Rhabdothamnus solandri</i>		<i>Microlaena avenacea</i>
<i>Geniostoma ligustrifolium</i>		<i>Rubus australis</i>		<i>Microlaena stipoides</i>
<i>Griselinia lucida</i>		<i>Rubus cissoides</i>		<i>Microtis unifolia</i>
<i>Hebe stricta</i>		<i>Ulex europaeus</i> *	ABS	<i>Nematoceras macranthum</i>
<i>Hedycarya arborea</i>		<i>Veronica plebeia</i>	ABS	<i>Nematoceras trilobum</i>
<i>Hoheria populnea</i>		<i>Vitex lucens</i>		<i>Oplismenus hirtellus</i>
<i>Hypericum pusilla</i>		<i>Wahlenbergia violacea</i>		<i>Phormium tenax</i>
<i>Knightia excelsa</i>				<i>Pterostylis alobula</i>
<i>Kunzea robusta</i>				<i>Pterostylis agathicola</i>
<i>Leptospermum scoparium</i>				<i>Pterostylis banksii</i>
<i>Leucopogon fasciculatus</i>				<i>Pterostylis graminea</i>
<i>Litsea calicaris</i>				<i>Pterostylis graminea</i>
<i>Lobelia anceps</i>				<i>Rhopalostylis sapida</i>
				<i>Ripogonum scandens</i>
				<i>Schoenus maschalinus</i>
				<i>Thelymitra longifolia</i>

### Monocotyledons

<i>Acianthus sinclairii</i>			
<i>Agapanthus praecox</i> *	ABS		
<i>Asparagus scandens</i> *	ABS		
<i>Astelia hastata (Collospermum)</i>			
<i>Astelia solandri</i>			

## Additions and corrections to Rangitoto plant list

Mike Wilcox and Steve Benham

Since the publication of "Natural History of Rangitoto Island" in August 2007 (Wilcox 2007) there have been 26 additions or corrections to the higher plants list (\* = exotic). These are as listed here.

### 1. FERNS

#### SCHIZAEACEAE

*Lygodium articulatum* A.Rich.

Flax Point on lava rocks in the open, S.P. Benham, 21 Aug 2012, AK 333053.

## 2. CONIFERS

### ARAUCARIACEAE

*Araucaria heterophylla* (Salisb.) Franco \*  
Norfolk Island pine  
On coast at base of escarpment, *S.P. Benham*, 12 Dec 2011, AK 329763. A seedling.

### PODOCARPACEAE

*Podocarpus totara* G.Benn. ex D.Don totara  
**Reported in Oct 2014 by Mark Chillingworth** "Whilst undertaking a reptile survey on Rangitoto we encountered a totara on the northern side of the island. A 2-3 m sickly small tree, near kauri" (M. Chillingworth pers. comm.)

## 3. DICOTS

### AIZOACEAE

*Oscularia caulescens* (Miller) Schwantes \*  
Controlled Mine Base in open, *S.P. Benham*, 4 Apr 2011, AK 326492.

### ACTINIDIACEAE

*Actinidia deliciosa* (A.Chev.) C.F.Liang & A.R.Ferguson var. *deliciosa* \* kiwifruit  
Summit, within semi-shade, *S.P. Benham & D.C. Havell*, 22 Nov 2012, AK 335593. Single plant.

### ARALIACEAE

*Hydrocotyle tripartita* A.Rich. \* Australian pennywort  
Recorded by Steve Benham at several locations on Rangitoto, namely on the seaward side of the Rangitoto Wharf to McKenzie Bay road.

### BORAGINACEAE

*Echium candicans* L.f. \* pride of Madeira  
Bach site opposite track to Islington Bay Wharf, *S.P. Benham*, 15 Sep 2014, AK 354386. Non-flowering. One plant. Associated taxa: *Agapanthus praecox*, *Aeonium undulatum*, karamu, mapou.

### CONVOLVULACEAE

*Calystegia marginata* R.Br.  
Southern end of Kermode Cave, *P.J. de Lange*, 3 Oct 2013, AK 345116. A single large vine.

### CRASSULACEAE

*Crassula colligata* Toelken subsp. *colligata*  
Dry scoria boulders near track, *P.J. de Lange*, 3 Nov 1995, AK 298507. Abundant.

### ELAEOCARPACEAE

*Elaeocarpus dentatus* (J.R. & G.Forst.) Vahl hinau  
Two saplings recorded from the Summit Track by Phil Brown and Steve Benham, November 2007. SB collected herbarium specimen on the 16 November 2007 from the hinau tree recorded by Phil Brown. The two trees occur on Rangitoto just past the Wilson Park track and before the scoria cone starts, and left (facing the summit) of

a donated seat just off the main summit track. NZ TM N 5926579, E 1765826. The trees were growing 4 m apart and c. 6 m high at 153 m a.s.l. Associated taxa: *Olearia furfuracea*, *Griselinia lucida*, *Brachyglottis kirkii*, *Pseudopanax arboreus*, *Pteridium esculentum*, *Cardiomanes reniforme*. Both trees were relatively spindly, in poor condition with yellowing foliage. No flowers present despite it being the flowering season for hinau.

### LAMIACEAE

*Vitex lucens* Kirk puriri  
In February 2011 Phil Brown found a sapling near the Caves Track.

### LAURACEAE

*Persea americana* Mill. \* avocado  
Near summit next to boardwalk, *S.P. Benham*, 13 Feb 2012, AK 330328. One plant. Associated taxa: *Olearia furfuracea*, *Myrsine australis*, *Leptecophylla juniperina*, *Microsorium pustulatum*.

### LEGUMINOSAE

*Acacia baileyana* F.Muell. \* Cootamundra wattle  
Outside bach 114, *P.M. Brown*, 2 Sep 2010, AK 316607. Three seedlings, near where adult tree was removed in 2005.

*Callistachys lanceolata* Vent.\* (syn. *Oxylobium lanceolatum* (Vent.) Druce) Australian native willow  
West of the Rangitoto Wharf, *M.D. Wilcox*, 19 Jan. 2008, AK 301695. Single fruiting plant.

*Sophora microphylla* Aiton kowhai  
Kowhai Grove, *P.J. de Lange*, 29 Dec 2009, AK 308808. More common here than *S. chathamica*, but hybrids predominate.

### ROSACEAE

*Prunus cerasus* L. \* morello cherry  
A seedling in Rangitoto Wharf area, *S.P. Benham*, 23 March 2015, AK 357962.

### VERBENACEAE

*Verbena litoralis* var. *brasiliensis* (Vell.) Briq. \*  
The preferred name for *Verbena brasiliensis* Vell. Head of Islington Bay, vacated bach site, *M.D. Wilcox*, 12 Apr 2006, AK 299111.

## 4. MONOCOTS

### AMARYLLIDACEAE

*Narcissus bulbocodium* L. \* petticoat daffodil  
Bach 114, opposite track to Islington Bay Wharf, *S.P. Benham*, 22 Sep 2014. AK 354595. A flowering specimen. Associated taxa: *Agapanthus praecox*, *Aeonium undulatum*, karamu, mapou. Abundance: 2 bulbs – 1 mature and 1 juvenile growing next to track leading to front door of bach. Probably planted as there was foreign soil attached to roots.

#### ASPARAGACEAE

*Cordyline rubra* Otto & A.Deitr. \* palm lily  
Islington Bay, near causeway, ex bach site,  
*Department of Conservation*, Apr 2005, AK 290634;  
coastal track between Islington Bay Wharf and  
the Causeway, *S.P. Benham*, 15 Sep 2014, AK  
354387. Associated taxa: *Freesia refracta*, *Astelia  
banksii*, *Rhamnus alaternus*, mapou, karamu.  
Abundance: suckering clump of 10-15 stems, no  
higher than 400 mm.

*Eucomis comosa* Hort. ex Wehrh. \* pineapple lily  
Steve Benham, March 2013. One plant recorded at  
Islington Bay bach site in the open.

*Muscari armeniacum* Baker \* grape hyacinth  
Islington Coastal Track to causeway, *S.P. Benham* 1  
Sep 2015, AK 358412. One plant under pohutukawa  
canopy.

*Scilla peruviana* L. \* Portuguese squill  
Edge of coastal track between Islington Bay Wharf  
and the Causeway, *S.P. Benham* 15 Sep 2014, AK  
354388. A flowering specimen. Associated taxa:  
*Freesia refracta*, *Astelia banksii*, mapou, karamu.  
Abundance: 2 flowering and 25 juvenile specimens.  
Another clump with approximately 30 juvenile and 2  
flowering specimens was recorded within 10 m of  
original clump.

#### References

Wilcox, M.D. (ed.) 2007: *Natural History of Rangitoto Island*. Auckland Botanical Society Bulletin 27. 192p.

#### CYPERACEAE

*Carex inversa* R.Br. creeping lawn sedge  
Behind Bach 114, Islington Bay, *M.D. Wilcox*, 8 Nov  
2007, AK 301095.

#### HEMEROCALLIDACEAE

*Dianella latissima* Heenan & de Lange  
Summit Track, *P.J. de Lange, T.J. de Lange & R.O.  
Gardner*, 1 Sep 2007, AK 300546.

#### ORCHIDACEAE

*Cymbidium* cultivar. \*  
Bach site, Yankee Wharf, *S.P. Benham*, 24 Sep 2012,  
AK 333842-44. Collected from lavafield in semi-shade  
between Islington Bay Coastal track and bach 65.  
Two mature and 6 juvenile plants.

#### POACEAE

*Aira caryophyllea* subsp. *multiculmis* (Dumort.)  
Bonnier & Layens \*  
Flax Point on open lava, *M.D. Wilcox*, 21 Sep 2005,  
AK 299380.

#### Acknowledgements

Our thanks to Ewen Cameron for the AK (Auckland  
Museum) records, and to Peter de Lange, Phil Brown  
and Mark Chillingworth for contributing new records.

## Further notes on the botany of some of the islands of Ipipiri (the eastern Bay of Islands), northern New Zealand

**Barbara Parris**

### Introduction

The islands of the eastern Bay of Islands are now known locally as Ipipiri. Beaver et al. (1984) provide an account of the botany of the larger islands. Their account is based on visits by Alan Esler in 1973 to Urupukapuka, Moturua and Okahu, and by Ross Beaver and Antony Wright in 1980 to Urupukapuka, Motuarohia, Waewaetorea, Motukiekie and Okahu.

Young (2009) visited Urupukapuka, Moturua and Okahu as a member of the Department of Conservation (DoC) team setting up vegetation monitoring plots prior to the eradication of rats from the islands, and also visited the small islands Poroporo and Motungarara. She provided an update

on the state of the vegetation of Urupukapuka, Moturua and Okahu, added new species to the list, discussed some of the records and commented on the vegetation of Poroporo and Motungarara. Both Beaver et al. (1984) and Young (2009) provide a map showing the location of the islands and the names of the major bays and headlands.

This article extends the accounts of Beaver et al. (1984) and Young (2009). It reports on visits from 2009 to 2015 to the six islands covered by Beaver et al. (1984) and to Poroporo, visited by Young (2009). Its aim is to list the flora around the time of pest eradication in winter 2009 up to August 2015, together with a check on the survival of species