

Madeira

Naturetrek Tour Report

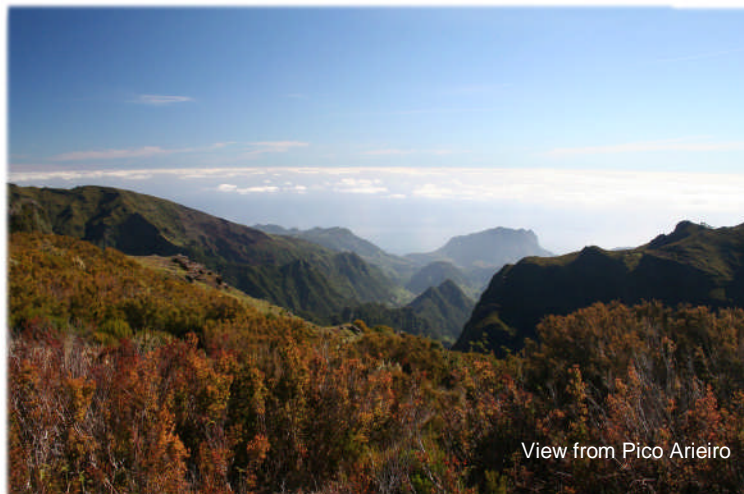
7 - 14 May 2006



Viola paradoxa



Madeira Orchid



View from Pico Arieiro

Report compiled by Jenny Willsher and Stuart Winter
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Day 1

Sunday 7 May

After a good flight from Heathrow to Funchal, though a little late, we are met by our two drivers, Tino and Lerinda, and they ferry us to the Residential Pina.

Day 2

Monday 8 May

Tino and Lerinda arrive at 9, and we set off in high expectation for our first day, as the weather looks perfect. First stop is the supermarket, where the group scatter with allotted food items to find, and we are soon back at the bus. Our first excursion through the Funchal suburbs gives us a flavour of this wonderfully colourful city, which is studded with Tree Ferns, Jacaranda and African Tulip Trees and dripping with Bougainvillea, which comes in sixteen shades.

We head for Poiso, north of Funchal. Our drivers suggest a small change to the programme, and we head for Pico de Arieiro, Madeira's third highest peak, at 1,818m. There is a footpath from here to Puico Rivo, the highest peak, but it is not for the faint-hearted! On the way up we pause at a viewpoint and can appreciate the plants that are so typical of this habitat such as Laurel (*Laurus azorica*), Tree Heather (*Erica arboretum*) and Madeiran Bilberry (*Vaccinium padifolium*). We also find *Ranunculus cortusifolius* var. *minor* and Sweet Wood Violet.

At the top the view is spectacular, across to Pico Riuvo, and the wonderful wooded valleys in between. Walkers can be seen following the levadas that snake around the hillsides. We have a short walk here for photos and to look at Downy Sow Thistle (*Andryala glandulosa*), Rock Cress (*Arabis caucasia*) and Small-flowered Catchfly (*Silene gallica*).

The peak also gives us our first opportunity to study one of the few passerines that breeds on the island – Berthelot's Pipit, a Macronesian endemic found only on Madeira and the Canary Islands. Its delightful territorial

song-flight fills the clear highland air with a delightful liquid sound, while Yellow-legged Gulls of the race Atlantis scour the barren landscape for possible nest sites. A low-flying Buzzard passes the coaches, our first encounter with the island's largest raptor.

We retrace our steps and head for Ribeiro Frio. We explore the gardens around the trout farm, where there are planted endemic plants such as Wollaston's Musschia (*M. wollastonii*), *Ranunculus cortusifolius* ssp *grandiflorus*, Madeira Stork's-bill (*Geranium maderense*) and Anemone-leaved Stork's-bill (*A. palmatum*). Also Madeira Holly (*Ilex perado*) and Picconia or Madeira Olive (*Olea maderensis*) – which is hosting Hair's Foot Fern (*Davallia canariensis*) and Macaronesian Polypody (*P. macaronesicum*). There are beds planted with Madeira Orchid (*Dactylorhiza foliosa*) but we later find one growing in its natural habitat on a shady bank overhanging a levada.

Our drivers negotiate with the restaurant, next to the trout farm, for us to use their tables in the garden for our picnic, so much to the amusement of other diners, we take over three tables and spread out our food and drink, sharing some of it with remarkably tame Chaffinches of the green-backed form tintillon, a likely candidate for full species status. A singing male Grey Wagtail and several sulphur-coloured Cleopatra butterflies make our al fresco lunch all the more enjoyable.

After lunch, supplemented by coffee and ice creams from the restaurant, we take the levada walk to the lookout point at Balcoes. The levada wall has many ferns including Hard Fern (*Blechnum spicant*), Lady Fern (*Athyrium filix-femina*), Madeiran Brittle Baldder Fern (*Cystopteris diaphana*), Macaronesian Polypody, *Polystichum falcinellum*, *Woodwardia radicans* and Madeiran Buckler Fern (*Dryopteris maderensis*). And we see the large umbellifer Black Parsley (*Melanoselinum decipiens*). At the lookout point, we find Downy Stonecrop (*Aichryson villosum*), Disc Houseleek (*Aeonium glandulosum*), Viscid Houseleek (*A. glutinosum*), *Helychrysum devium* and *Hypericum canariense*.

The walk also gives us our first view of Madeira's smallest and most delightful endemic bird – the Madeiran Firecrest. Only recently “split” from the nominate species, these birds are so tame that they willingly show off their diagnostic features: the restricted white eye markings that make them appear as if they are wearing spectacles.

We return to the hotel and prepare to venture out into town for dinner.

Day 3

Tuesday 9 May

The weather is fine again. We are heading for Pico Ruivo today, the highest peak on the island. As we cannot see this peak from Funchal we can only hope the weather is as good there too! We stop on route to take photos of one of the Madeiran A-frame thatched houses, typical of the Santana area, and are invited in to see it by the owner.

We reach Pico Ruivo in wonderful clear weather and enjoy a good walk along the peak, some walking to the top, others walking as far as they want to and then appreciating the fantastic views.

Birds are scarce at this altitude but, surprisingly, species one would expect at much lower altitudes manage to eke out a living on the slopes. Blackbirds and Chaffinches sing from strategic song perches while another

Macronesian endemic flies low overhead. The subtle field marks of wholly chocolate brown plumage, narrow, scythe-like wings and deep forked-tail mark them out as Plain Swifts.

Among the rocks along the path are lovely clumps of the yellow endemic Madeira Pansy (*Viola paradoxa*) and two spikes of Dense-flowered Orchid (*Neotinea maculata*) by the path.

We picnic lower down the hill in a small park where the local Muscovies are waiting for our scraps. One of the group has a birthday today so we share a very nice chocolate swirl cake, once he has blown out the candles! The chorus of Happy Birthday is joined by a male Siskin, performing its display flight from a coniferous tree overlooking the car park. Later on, a short stop at a sugar cane factory allows us to look out to sea and watch a raft of resting Cory's Shearwaters.

On our way back to the hotel we stop for a photograph of a stunning plant, the Madeira Stork's-bill.

Day 4

Wednesday 10 May

We head for a very different part of the island today – the rocky eastern tail of the island – Ponta de Sao Lourenco. In the car park is planted *Echium nervosum*, one of two handsome shrubby *Echium* species which are endemic to Madeira. We also find Scorpion Vetch (*Scorparius muricatus*) with its very unvetch-like leaves and curious curly seeds, Mallow-leaved Bindweed (*Convolvulus althaeoides*) and Mexican Prickly Poppy (*Argemone mexicana*).

The rocky habitat here is very dry but we find some interesting plants such as Shrubby Seablite (*Suaeda vera*), Spotted Golden Thistle (*Scolymus maculatus*), Hollow-stemmed Asphodel (*A. fistulosus*), *Phagnalon hymenii*, Madeiran Bird's-foot Trefoil (*Lotus glaucus*), Madieran Sea Stock (*Matthiola madarensis*) and *Sonchus pinnatus*.

Plain Swifts seem to particularly enjoy this habitat and we see our best numbers of the trip, with more than dozen birds flying overhead. At one stage, a migrating Barn Swallow joins in their fast-flying sorties. As we continue the walk towards the headland, the distinctive call of a Quail is heard but finding the bird amid the dense swathes of grass is impossible.

The dry habitat also produces a small flock of Rock Sparrows hunting for grasshoppers, a real connoisseur's bird. However, for most of the group, the highlight is a pair of Canaries, the male glistening bright yellow in the sunlight.

We picnic at a wonderful viewpoint, but it is a challenge to light the candles for our second birthday cake!

We return via Canical, where some look at the whaling museum and others have coffee or ice creams. The sound of squabbling sparrows fills the air but, on closer inspection, the birds show the streaky black breasts and chocolate brown head of Spanish Sparrows, always a pleasant find.

Day 5

Thursday 11 May

The group splits today. Five members join the leaders for a day trip to Porto Santo while the rest of the group enjoy a day exploring Funchal, the Botanic and other gardens, experiencing the cable cars and sampling the cafes and restaurants.

The ferry to Porto Santo takes two and a half hours giving us plenty of time for sea-watching. After leaving the only Pallid Swift of the trip in Funchal harbour, we are soon accompanied by a flotilla of Cory's Shearwaters in the open waters of the Atlantic, some birds flying approaching within a few feet of the stern. A few gambolling Common Dolphins soon have most of the passengers excitedly looking out to sea, while a flying fish skimming over the water is an exciting find.

On arrival at the port we are met by Bruno and a minibus, and are taken to Ponta da Calheta at the southern point of the main island where we have the morning to explore the beach and sand dunes. We find Ice Plant (*Mesembryanthemum crystallinum*), *Euphorbia peplis*, *E. paralias* and a fruiting Mulberry tree. Two of the group enjoyed a swim.

Besides swimmers, the beach also supports a thriving population of Kentish Plovers, a species fast disappearing from much of Europe and North America because of tourism pressures. A walk into the dunes produces several Hoopoes and singing male Spectacled Warbler.

We have a good meal at the restaurant, attempting to gauge the size of our sea bass from the size of our delicious cutlets.

On our tour round the island plants include Sea Heath (*Frankenia Laevis*), Fish-stunning Spurge (*Euphorbia piscatoria*), *Galactites tomentosa* and the handsome lilac blue flowers of Cardoon (*Cynara cardunculus*). We stop at several small reservoirs, most barely worthy of the description. But on such an arid island, freshwater is precious and we are soon looking at some of the most surprising finds of the holiday – Little Egret, Grey Heron and, top of the bill, a highly unexpected Spoonbill. A mother Red-legged Partridge and her chicks get the biggest “aah” of the day.

The return sailing to Funchal, however, eclipses even the surprising wetland bird finds. We count up to 30 Bulwer's Petrels as we reach the mid-way stage of the journey. These medium-size, dark brown seabirds are a highly prized tick in the Western Palearctic and give excellent views as they share the sea with large numbers of Cory's and a few Manx Shearwaters.

Day 6

Friday 12 May

After our usual supermarket run, we head for Paul de Serra, the high moorland plateau in the middle of the island. We experience our first low cloud and drizzle, so a coffee and comfort stop is very welcome. As we arrive at the top of our walk it is still foggy, but we disperse the picnic amongst everyone's haversacks and set off down to the Rabacal levada walk. We walk through typical laurasilva forest – a mix of Laurel, Tree Heather and Madeiran Bilberry.

Talk among the birders immediately centres on the likelihood of seeing Trocaz Pigeon, a Madeiran endemic with slightly more than 500 individual birds. Almost on cue, a large Wood Pigeon-like bird flaps into view, glides leisurely across a ravine and settles 100m or so away, showing off its diagnostic tail-markings on landing. It settles long enough for the whole group to get a good view.

After sharing our lunch with the obligatory flock of Chaffinches, we have to descend through more forest to reach the Levada of the 25 Waterfalls. Some of the group turns right to have a good walk to the first waterfall, while others take a more leisurely walk along this delightful levada, getting very close views of Madeiran Firecrests along the way. Plants include Great Horsetail (*Equisetum telmatea*), Madeiran Moneywort (*Sibthorpia peregrina*), Madeira Water Dropwort (*Oenanthe divaricata*) and Large Sowthistle (*Sonchus fructescens*).

We have to negotiate the 800m levada tunnel before meeting up again with our buses, so don our coats and get out our torches. It is good to emerge into the bright sunshine at the other end. Blackwood Acacia (*A. melanoxylon*) intrigues us at the end of our walk as it has two distinctly different sorts of leaves on the same plant.

Day 7

Saturday 13 May

Our last full day on Madeira, and a busy one! There is a religious festival at certain sites and a car rally which limits our use of the most scenic roads. Firstly we visit the cliffs at Cabo Giroa, reputedly the second tallest cliffs in the world, but today it is thronging with visitors and many food and other stalls. We take a quick look at the cliffs and then cause a slight traffic jam of our own as we stop to buy freshly griddled flat bread from one of the stalls.

Then further along the coast we look at the only remaining wild Dragon Trees (*Dracaena draco*), the resin or Dragons Blood used to be tapped and used as a red dye. There are some very handsome Dragon Trees planted in Funchal.

We make a short detour to stop at a small coastal lagoon; one of the few areas birds can find fresh water along the arid southern coastline. Even though the area of open water is smaller than the penalty area of a football pitch, birds are plentiful. Four Dunlin, a handful of Moorhens and a splendid Turnstone in its full summer tortoiseshell breeding finery are the highlights.

We are late to the supermarket today and want to make this a really good picnic so we add local honey cake and fresh pastel de natas to the trolley, and then, a finishing touch, we buy huge local strawberries from a roadside stall.

We now cut across the island to the North coast, mostly via tunnels due to the rally. We find picnic tables at Chao da Ribeira, a steep-sided valley, where we take a walk after our lunch.

Plants include Kidney Fern (*Adiantum reniform*) on the side of the lavada and Willow-leaved Hare's Ear (*Bupleurum salicifolium*). On waste ground in the open valley we find Grass-poly (*Lytbrum hyssoipifolia*), Fetid Everlasting (*Helichrysum foetidum*), Trailing St John'swort (*Hypericum humisufusum*), Procumbent Yellow Oxalis (*O. corniculata*) and *Polygonum capitatum*

A pair of Trocaz Pigeons try to pass overhead un-noticed but with their rather bulky frames – they are only a shade smaller than our native Wood Pigeon – they are soon spotted before disappearing into the dense Laurel woods.

Finally, we travel onto Porto Moniz, the most northern point of the island to look at the natural rock pools, popular with bathers, which have been modified for the many visitors, before we head back to Funchal.

Day 8

Sunday 14 May

We return to Funchal airport for our return flight to Heathrow and bid a fond farewell to Tino and Larinda who have looked after us so well and contributed much to the enjoyment of our trip.

Species lists

Plant list

Group/Species	English Name(if any)	Location
PTERIDOPHYTES	FERNS & ALLIES	
Selaginellaceae	Lesser Clubmoss Family	
<i>Selaginella denticulata</i>	A Clubmoss	Ribeiro Frio - Balcoes
<i>Selaginella kraussiana</i>	Krauss's Spikemoss	Ribeiro Frio - Balcoes
Equisetaceae	Horsetail Family	
<i>Equisetum telmatia</i>	Great Horsetails	Rabacal
Adiantaceae	Maidenhair Fern Family	
<i>Adiantum capillus-veneris</i>	Maidenhair Fern	Ribeiro Frio - Portela
<i>Adiantum reniforme</i>	Kidney-leaved Fern	-
<i>Anogramma leptophylla</i>	Jersey Fern	Cancela
Aspleniaceae	Spleenwort Family	
<i>Asplenium monanthes</i>	A Spleenwort	Ribeiro Frio - Balcoes
Blechnaceae	Hard Fern Family	
<i>Blechnum spicant</i>	Hard Fern	Ribeiro Frio - Balcoes
<i>Woodwardia radicans</i>	Chain Fern	Ribeiro Frio - Balcoes
Davalliaceae	Hare's-foot Fern Family	
<i>Davallia canariensis</i>	Hare's-foot Fern	Ribeiro Frio -
<i>Pteridium aquilinum</i>	Bracken	Widespread
Dryopteridaceae	Buckler Fern Family	
<i>Dryopteris affinis</i> ssp. <i>affinis</i>	Scaly Male Fern	-
<i>Dryopteris maderensis</i> *	Madeiran Buckler Fern	Ribeiro Frio - Balcoes
<i>Polystichum setiferum</i>	Soft Shield fern	Rabacal
Polypodiaceae	Polypody Family	
<i>Polypodium macaronesicum</i>	Macaronesian Polypody	Ribeiro Frio - Balcoes
Woodsiaceae (Athyriaceae)	Lady Fern Family	
<i>Athyrium felix-femina</i>	Lady Fern	Ribeiro Frio - Balcoes
<i>Cystopteris diaphana</i>	Madeiran Brittle Bladder-fern	Ribeiro Frio - Balcoes
PINOPSIDA (GYMNOSPERMS)	CONIFERS	
Cupressaceae	Juniper Family	
<i>Juniperus cedrus</i>	Prickly Juniper	Ribeiro Frio - Portela
<i>Juniperus phoenicea</i>	A Juniper	

Group/Species	English Name(if any)	Location
Pinaceae	Pine Family	
<i>Pinus pinaster</i>	Maritime Pine	Pico Arierio
<i>Pinus pinea</i>	Stone or Umbrella Pine	Cabo Girao
<i>Pinus radiata</i>	Monterey Pine	Porto Santo
<i>Pseudotsuga menziesii</i>	Douglas Fir	Paso de Poiso
MAGNOLIOPSIDA (ANGIOSPERMS)	FLOWERING PLANTS	
	Magnoliidae (Dicotyledons)	
Acanthaceae	Bear's-breech Family	
<i>Acanthus mollis</i>	Bear's-breech	Cliffs in Funchal
Aceraceae	Maple Family	
<i>Acer pseudoplatanus</i>	Sycamore	Ribeiro Frio - Balcoes
Aizoaceae (Tetragoniaceae)	Dewplant Family	
<i>Aizoon canariensis</i>	Aizoon	Ponta de Sao Lourenco
<i>Mesembryanthemum crystallinum</i>	Common Ice-plant	Ponta de Sao Lourenco
<i>Carpobrotus edulis</i>	Yellow Hottentot Fig	Ponta de Sao Lourenco
Apiaceae (Umbelliferae)	Carrot Family	
<i>Ammi majus</i>	Bullwort	Ponta de Sao Lourenco
<i>Apium nodiflorum</i>	Fool's Watercress	Rabacal
<i>Foeniculum vulgare</i>	Fennel	Cancela
<i>Melanoselinum decipiens</i> *	Black Parsley	Ribeiro Frio - Balcoes
<i>Crithmum maritimum</i>	Rock Samphire	Porto Santo, Porto Moniz
<i>Oenanthe divaricata</i> *	Madeira Water Dropwort	Ribeiro Frio - Balcoes
<i>Petroselinum crispum</i>	Parsley	Canical
Apocynaceae	Perriwinkle Family	
<i>Vinca major</i>	Greater Perriwinkle	-
Aquifoliaceae	Holly Family	
<i>Ilex perado ssp. perado</i>	Madeira Holly	Ribeira Frio
Araliaceae	Ivy Family	
<i>Hedera helix ssp. canariensis</i>	Ivy	Paso de Poiso
Asteraceae	Daisy Family	
<i>Ageratina adenophora</i>	White Eupatorium	Ribeiro Frio - Balcoes
<i>Andryala glandulosa</i>	Andryala	Ponta de Sao Lourenco
<i>Argyranthemum pinnatifidum ssp.pinnatifidum</i> *	Argyranthemum	Ribeiro Frio - Portela
<i>Bidens pilosa var.minor</i>	A Bur-marigold	Canical
<i>Bidens pilosa var pilosa</i>	A Bur-marigold	-
<i>Bidens pilosa var radiata</i>	A Bur-marigold	Funchal

Group/Species	English Name(if any)	Location
<i>Calendula arvensis</i>	Field Marigold	-
<i>Calendula maderensis</i> *	Madeiran Marigold	-
<i>Chrysanthemum coronarium</i> <i>var. discolor</i>	Crown Daisy	Porto Santo
<i>Cichorium intybus</i>	Chicory	Ponta de Sao Lourenco
<i>Cynara cardunculus</i>	Cardoon	Ponta de Sao Lourenco
<i>Erigeron karvinskianus</i>	Mexican Fleabane	Ribeiro Frio
<i>Filago minima</i>	Small Cudweed	Paul da Serra
<i>Galactites tomentosa</i>	Galactites	Ponta de Sao Lourenco
<i>Galinsoga quadriradiata</i>	Shaggy Soldier	Funchal
<i>Galinsoga parviflora</i>	Gallant Soldier	Canical
<i>Helichrysum devium</i> *	Everlasting	Ponta de Sao Lourenco
<i>Helichrysum foetidum</i>	Stinking Everlasting	Chao da Ribeira
<i>Helichrysum melaleucum</i> *	White Everlasting	West of Sao Vicente
<i>Picris (Helminthotheca) echioides</i>	Prickly Oxtongue	Ponta de Sao Lourenco
<i>Hypochoeris glabra</i>	Smooth Cat's-ear	Pico Ruivo
<i>Lapsana communis</i>	Nipplewort	-
<i>Pericaulis aurita</i> * (not in flower)	Madeira Groundsel	Ribeiro Frio
<i>Phagnalon (bennettii) hansenii</i> *	Phagnalon	Ponta de Sao Lourenco
<i>Scolymus maculatus</i>	Spotted Golden Thistle	Ponta de Sao Lourenco
<i>Senecio incrassatus</i> *	Thick-leaved Groundsel	Prairha
<i>Senecio vulgaris</i>	Groundsel	Residencial Pina
<i>Sonchus asper</i>	Prickly Sow Thistle	Funchal
<i>Sonchus fruticosus</i> *	Shrubby Sow Thistle	Ribeiro Frio
<i>Sonchus oleraceus</i>	Smooth Sow Thistle	Funchal
<i>Sonchus pinnatus</i> *	A Sow Thistle	Sao Vicente
<i>Sonchus ustulatus</i> ssp. <i>ustulatus</i> *	A Sow Thistle	-
<i>Taraxacum officinale</i> agg.	Dandelion	Ribeiro Frio
Boraginaceae	Forget-me-not Family	
<i>Echium plantagineum</i>	Purple Viper's Bugloss	Ponta de Sao Lourenco
<i>Echium candicans</i> *	Pride of Madeira	Above Monte
<i>Echium nervosum</i> *	Small Pride of Madeira	West of Sao Vicente
<i>Myosotis arvensis</i>	Field Forget-me-not	Chao da Ribeira
<i>Myosotis discolor</i>	Changing Forget-me-not	Pico Arieiro
Brassicaceae (Cruciferae)	Cabbage Family	
<i>Arabis alpina</i> ssp. <i>caucasica</i>	Rockcress	Pico Areiro
<i>Eruca vesicaria</i> ssp. <i>sativa</i>	Garden Rocket	Ponta de Sao Lourenco
<i>Erysimum bicolor</i> *	Madeiran Mountain Stock	Ribeiro Frio - Portela
<i>Matthiola maderensis</i> *	Madeira Sea-stock	Ponta de Sao Lourenco
<i>Rapistrum rugosum</i> ssp. <i>orientale</i>	Bastard Cabbage	Ponta de Sao Lourenco
<i>Rorippa nasturtium-aquaticum</i>	Water Cress	-
<i>Teesdalia nudicaulis</i>	Shepherd's Cress	Pico Arieiro
Cactaceae	Cactus Family	
<i>Opuntia tuna</i>	Prickly Pear	Ponta de Sao Lourenco
Campanulaceae	Bellflower Family	
<i>Musschia aurea</i> *	Golden Musschia	Cancela

Group/Species	English Name(if any)	Location
<i>Musschia wollastonii</i> *	Wollaston's Musschia	Ribeiro Frio - Portela
<i>Trachelium caeruleum</i>	Throatwort	Cancela
Caprifoliaceae	Honeysuckle Family	
<i>Sambucus lanceolata</i> *	Madeiran Elder	Ribeiro Frio - Balcoes
Caryophyllaceae	Pink Family	
<i>Cerastium fontanum</i>	Common Mouse-ear	Pico Ruivo
<i>Silene uniflora</i>	Sea Campion	Ponta de Sao Lourenco
<i>Silene vulgaris</i>	Bladder Campion	Chao da Ribeira
<i>Spergula arvense</i>	Corn Spurry	-
Chenopodiaceae	Goose-foot Family	
<i>Beta vulgaris ssp.maritima</i>	Sea Beet	Ponta de Sao Lourenco
<i>Chenopodium album</i>	Common Goosefoot	-
<i>Chenopodium murale</i>	Maple-leaved Goosefoot	Ponta de Sao Lourenco
<i>Atriplex halimus</i>	Shrubby Orache	Porto Santo
<i>Atriplex prostrata</i>	Spear-leaved Orache	-
<i>Suaeda vera</i>	Shrubby Sea-blite	Ponta de Sao Lourenco
Clethraceae	Lily-of-the-Valley Tree Family	
<i>Clethra arborea</i> *	Lily-of-the-Valley Tree	Ribeiro Frio - Balcoes
Clusiaceae (Guttiferae, Hypericaceae)	St.John's-wort Family	
<i>Hypericum canariensis</i> *	A St.John's Wort	Ribeiro Frio - Balcoes
<i>Hypericum grandiflorum</i> *	A St.John's Wort	Ribeiro Frio - Portela
<i>Hypericum humifusum</i>	Trailing St.John's Wort	Chao da Ribeira
Convolvulaceae	Bindweed Family	
<i>Convolvulus arvensis</i>	Field Bindweed	Porto Santo
<i>Convolvulus althaeoides</i>	Mallow-leaved Bindweed	Ponta de Sao Lourenco
<i>Ipomoea purpurea</i>	Morning Glory	Cancela
Crassulaceae	Stonecrop Family	
<i>Aeonium glandulosum</i> *	Disc Houseleek	Ribeiro Frio - Balcoes
<i>Aeonium glutinosum</i> *	Viscid Houseleek	"
<i>Aichryson dumosum</i> *	A Stonecrop	
<i>Aichryson divaricatum</i> *	Madeira Stonecrop	West of Sao Vicente
<i>Aichryson villosum</i> *	Downey Stonecrop	Widespread
<i>Crassula multicava</i>	Crassula	-
<i>Crassula tillaea</i>	Mossy Stonecrop	Pico Ruivo
<i>Umbilicus rupestris</i>	Navelwort	Widespread
Ericaceae	Heath Family	
<i>Erica maderensis</i>	Madeiran Heather	Pico Ruivo
<i>Erica arborea</i>	Tree Heather	Pico Arieiro
<i>Vaccinium padifolium</i>	Madeira Bilberry	Ribeiro Frio - Balcoes
Euphorbiaceae	Spurge Family	

Group/Species	English Name(if any)	Location
<i>Mercurialis annua</i>	Annual Mercury	Ribeiro Frio - Balcoes
<i>Ricinus communis</i>	Castor Oil Plant	Cancela
<i>Euphorbia mellifera</i> *	Melliferous Spurge	Balcoes
<i>Euphorbia piscatoria</i> *	Smooth Spear-leaved Spurge	Porta Santo
<i>Euphorbia peplis</i>	Purple Spurge	Calheta, Porto Santo
<i>Euphorbia paralias</i>	Sea Spurge	Calheta, Porto Santo
Fabaceae	Pea Family	
<i>Acacia dealbata</i>	Silver wattle	Faial
<i>Acacia longifolia</i>	Sallow Wattle	-
<i>Acacia mearnsii</i>	Black Wattle	Chao da Ribeira
<i>Acacia melanoxylon</i>	Australian Blackwood	Paso de Poiso
<i>Cytisus scorparius</i>	Broom	Roadsides
<i>Lathyrus cicera</i>	A Pea	-
<i>Lotus glaucus</i> *	Madeiran Bird's-foot Trefoil	Ponta de Sao Lourenco
<i>Medicago lupulina</i>	Black Medick	Ponta de Sao Lourenco
<i>Melilotus indicus</i>	Small Melilot	Ponta de Sao Lourenco
<i>Ornithopus perpusillus</i>	Common Bird's-foot	Pico Ruivo
<i>Psoralea bituminosa</i>	Pitch Trefoil	Widespread
<i>Scorparius muricatus</i>	Scorpion Vetch	Ponta de Sao Lourenco
<i>Teline maderensis</i> *	Shrub Trefoil	Chao da Ribeira
<i>Trifolium arvense</i>	Hare's-foot Clover	Rabacal
<i>Trifolium campestre</i>	Hop Trefoil	Ponta de Sao Lourenco
<i>Trifolium angustifolium</i>	Narrow-leaved Clover	-
<i>Trifolium dubium</i>	Lesser Yellow Trefoil	Rabacal
<i>Trifolium glomeratum</i>	Clustered Clover	Encumeada
<i>Trifolium pratense</i>	Red Clover	Ponta de Sao Lourenco
<i>Trifolium repens</i>	White Clover	Below Ribeiro frio
<i>Trifolium scabrum</i>	Rough Clover	-
<i>Trifolium stellatum</i>	Starry Clover	-
<i>Ulex europaeus</i>	Gorse	Ribeiro Frio - Balcoes
<i>Vicia capreolata</i> * (not in flower)	A Vetch	Ribeiro Frio - Portela
<i>Vicia hirsuta</i>	Hairy Tare	-
<i>Vicia sativa ssp.segetalis</i>	Common Vetch	Ribeiro Frio - Balcoes
<i>Vicia tetrasperma</i>	Smooth Tare	Santana
Fagaceae	Oak & Beech Family	
<i>Quercus robor</i>	Pedunculate Oak	-
<i>Castanea sativa</i>	Sweet Chestnut	Ribeiro Frio - Balcoes
Frankeniaceae	Sea Heath Family	
<i>Frankenia laevis</i>	Sea Heath	Porto Santo
Fumariaceae	Fumitory Family	
<i>Fumaria capreolata</i>	White Rampling Fumitory	-
<i>Fumaria muralis</i>	Wall Fumitory	Cancela
<i>Fumaria parviflora</i>	Small-flowered Fumitory	-
Geraniaceae	Geranium Family	
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	Rabacal

Group/Species	English Name(if any)	Location
<i>Geranium lucidum</i>	Shining Crane's-bill	Pico Ruivo
<i>Geranium maderense</i> * (non-native site)	Madeira Stork's-bill	Santana
<i>Geranium palmatum</i> *	Anemone-leaved Stork's-bill	Ribeiro Frio - Balcoes
<i>Geranium purpureum</i>	Little Robin	Ribeiro Frio - Balcoes
<i>Geranium robertianum</i>	Herb Robert	Ribeiro Frio - Balcoes
<i>Erodium cicutarium</i>	Common Stork's-bill	Pico Ruivo
<i>Erodium malacoides</i>	A Stork's-bill	Ponta de Sao Lourenco
Globulariaceae	Globularia Family	
<i>Globularia salicina</i> *	A Globularia	Pico do Facho
Hydrangeaceae	Mock-orange Family	
<i>Hydrangea macrophylla</i>	Hydrangea	Ribeiro Frio - Portela
Lamiaceae (Labiatae)	Dead-nettle Family	
<i>Cedronella canariensis</i> *	Canary Dragon Herb	Encumeada
<i>Lamiastrum galeobdolon</i> agg	Yellow Archangel	-
<i>Mentha pulegium</i>	Pennyroyal	Pico Ruivo
<i>Origanum vulgare</i>	Marjoram	Rabacal
<i>Prunella vulgaris</i>	Self-heal	Ribeiro Frio
<i>Stachys arvensis</i>	Field Woundwort	Ribeiro Frio - Balcoes
<i>Stachys oxymastrum</i>	A Woundwort	Pico do Facho
Lauraceae	Bay Family	
<i>Apollonias barbujana</i>	Canary Laurel	Encumeada
<i>Laurus azorica</i>	A Laurel	Ribeiro Frio - Balcoes
<i>Persea indica</i>	Madeiran Mahogany	Encumeada
Lythraceae	Loosestrife Family	
<i>Lythrum hissopifolium</i>	Grass-poly	Chao da Ribeiro
Malvaceae	Mallow Family	
<i>Lavatera cretica</i>	Cretian Tree-mallow	Monte
<i>Malva parviflora</i>	Least Mallow	Ponta de Sao Lourenco
<i>Malva sylvestris</i>	Common Mallow	-
Moraceae	Fig Family	
<i>Ficus carica</i>	Fig	Cancela
<i>Morus nigra</i>	Mulberry	Calheta, Porto Santo
Myrtaceae	Myrtles & Gum Family	
<i>Eucalyptus globulus</i>	Blue Gum	Common
<i>Leptospermum scoparium</i>	New Zealand Tea Tree	Ribeiro Frio
<i>Myrica faya</i>	Wax Myrtle	Chao da Ribeira
Nyctaginaceae	Bougainvillea Family	
<i>Bougainvillea glabra</i>	Bougainvillea	Funchal-everywhere!

Group/Species	English Name(if any)	Location
Oleaceae	Olive Family	
<i>Olea europaea</i> var. <i>maderensis</i>	Olive/Picconia	Ribeiro Frio
Onagraceae	Willowherb Family	
<i>Fuchsia magellanica</i>	Fuchsia	Ribeiro Frio - Balcoes
<i>Oenothera stricta</i>	Evening Primrose	-
Orobanchaceae	Broomrape Family	
<i>Orobanche minor</i>	Lesser Broomrape	-
Oxalidaceae	Wood-sorrel Family	
<i>Oxalis corniculata</i>	Procumbent Yellow Sorrel	Chao da Ribeira
<i>Oxalis latifolia</i>	Garden Pink Sorrel	Ribeira Brava
<i>Oxalis pes-caprae</i>	Bermuda Buttercup	Cancela
<i>Oxalis pes-caprae</i> 'Flore Pleno'	Double flowered Bermuda Buttercup	-
Papaveraceae	Poppy Family	
<i>Chelidonium majus</i>	Greater Celandine	Ribeiro Frio
<i>Eschscholzia californica</i>	Californian Poppy	-
<i>Papaver dubium</i> ssp. <i>dubium</i>	Long-headed Poppy	Cancela
<i>Papaver rhoeas</i>	Common Poppy	Cancela
<i>Papaver somniferum</i>	Opium Poppy	Prainha
Plantaginaceae	Plantains Family	
<i>Plantago arborescens</i> ssp. <i>maderensis</i> *	Madeira Plantain	
<i>Plantago coronopus</i>	Buck's-horn Plantain	Ponta de Sao Lourenco
<i>Plantago lanceolata</i>	Ribwort Plantain	Ribeiro Frio - Balcoes
<i>Plantago lagopus</i>	Hare's-foot Plantain	Ponta de Sao Lourenco
<i>Plantago major</i>	Greater Plantain	Canical
Plumbaginaceae	Thrift Family	
<i>Limonium ovalifolium</i>	A Sea Lavender	-
Polygonaceae	Knotweed Family	
<i>Polygonum aviculare</i>	Knotgrass	-
<i>Persicaria capitata</i>	Pink Garden Knotgrass	Chao da Ribeira
<i>Persicaria maculata</i>	Redshank	Machico
<i>Rumex acetosella</i>	Sheep-sorrel	Pico Ruivo
<i>Rumex pulcher</i>	Fiddle Dock	-
Primulaceae	Primrose Family	
<i>Anagallis arvensis</i> (Red)	Scarlet Pimpernel	-
Ranunculaceae	Buttercup Family	
<i>Ranunculus cortusifolius</i> var. <i>minor</i> *	A Buttercup	Pico Arieiro
<i>Ranunculus cortusifolius</i> var. <i>major</i> *	A Buttercup	Ribeiro Frio
<i>Ranunculus repens</i>	Creeping Buttercup	Below Ribeiro Frio

Group/Species	English Name(if any)	Location
Resedaceae	Mignonette Family	
<i>Reseda luteola</i>	Weld	Porto Santo
<i>Reseda media</i>	A Mignonette	Canical
Rosaceae	Rose Family	
<i>Aphanes arvense sensu.stricto</i>	Parsley Piert	Pico Ruivo
<i>Duchensea indica</i>	Yellow-flowered Strawberry	Ribeiro Frio - Balcoes
<i>Fragaria vesca</i>	Wild Strawberry	Ribeiro Frio - Balcoes
<i>Prunus avium</i>	Wild Cherry	Encumeada
<i>Prunus laurocerasus</i>	Cherry Laurel	Ribeiro Frio - Balcoes
Rubiaceae	Bedstraw Family	
<i>Galium aparine</i>	Clevers	Ribeiro Frio - Balcoes
<i>Galium productum</i>	Madeiran Bedstraw	Ribeiro Frio - Balcoes
<i>Sherardia arvensis</i>	Field Madder	Rabacal
<i>Rubia agostinhoi</i>	Madeiran Madder	Ribeiro Frio - Balcoes
Salicaceae	Poplar & Willow Family	
<i>Salix canariensis*</i>	Madeiran Willow	Chao da Ribeira
Sapindaceae	Prides-of-India Family	
<i>Cardiospermum grandiflorum</i>	Balloon Vine	Ribeira Brava
Saxifragaceae	Saxifrage Family	
<i>Saxifraga maderensis var. maderensis*</i>	Medeira saxifrage	
Scrophulariaceae	Figwort Family	
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Chao da Ribeira
<i>Digitalis purpurea</i>	Foxglove	Ribeiro Frio - Balcoes
<i>Kickxia elatine</i>	Fluelin	-
<i>Misopates orontium</i>	Lesser Snapdragon	Cancela
<i>Sibthorpia perigrina*</i>	Madeira Moneywort	Ribeiro Frio - Balcoes
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	-
<i>Veronica arvensis</i>	Wall Speedwell	Chao da Ribeira
<i>Veronica persica</i>	Common Field Speedwell	Chao da Ribeira
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Chao da Ribeira
Solanaceae	Nightshade Family	
<i>Datura stamonium var. tatula</i>	Thorn Apple	Canical
<i>Hyoscyamus albus</i>	White Henbane	-
<i>Lycium europaeum</i>	Duke of Argyll's Tea Plant	-
<i>Lycopersicon esculentum</i>	Tomato	Canical
<i>Nicotiana glauca</i>	Shrub Tobacco	Funchal
<i>Solanum linnaeanum</i>	-	-
<i>Solanum mauritianum</i>	Mauritius Nightshade	Below Ribeiro Frio
<i>Solanum nigrum</i>	Black Nightshade	Below Ribeiro Frio
<i>Solanum sodomaceum</i>	Apple of Sodom	Ponta de Sao Lourenco
Tamaricaceae	Tamarix Family	

Group/Species	English Name(if any)	Location
<i>Tamarix gallica</i>	Tamarisk	Ponta de Sao Lourenco
Tropaeolaceae	Nasturtiums	
<i>Tropaeolum majus</i>	Nasturtium	Canical
Urticaceae	Nettle Family	
<i>Parietaria judaica</i>	Pelitory -of-the-wall	Canical
<i>Urtica membranacea</i>	Membranous Nettle	Cancela
<i>Urtica urens</i>	Annual Nettle	Porto Santo
Valerianaceae	Valerian Family	
<i>Centranthus rubra</i>	Red Valerian	Funchal
<i>Centranthus calcitrapae ssp. calcitrapae</i>	Small Valerian	Ribeiro Frio - Balcoes
Violaceae	Violet Family	
<i>Viola riviniana</i>	Common Wood Violet	Ribeiro Frio - Balcoes
<i>Viola paradoxa*</i>	Madeiran Yellow Violet	Pico Ruivo
	Liliidae (Monocotyledons)	
Agavaceae	Centuryplant Family	
<i>Agave americana</i>	Century Plant	Ponta de Sao Lourenco
<i>Dracaena draco*</i>	Dragon Tree	Ribeira Brava
<i>Agave attenuata</i>	Swan's Neck Agave	Nr Airport
Araceae	Arum Family	
<i>Zantedeschia aethiopica</i>	Calla Lily	Sao Vicente
Cannaceae	Canna Lily Family	
<i>Canna indica</i>	Yellow Canna Lily	-
Cyperaceae	Sedges Family	
<i>Carex divulsa ssp. divulsa</i>	Grey Sedge	Ribeiro Frio - Balcoes
<i>Carex lowei</i>	Lowe's Sedge	Ribeiro Frio - Balcoes
<i>Carex muricatus ssp. lamprocarpa</i>	Prickly Sedge	-
<i>Carex perigrina</i>		Rabacal
Iridaceae	Iris Family	
<i>Watsonia borbonica</i>	Bugle Lily	Santana
<i>Crocasmia x crocosmiflora</i>	Montbretia	Ribeiro Frio - Balcoes
Juncaceae	Rush Family	
<i>Juncus acutus</i>	Sharp Rush	Ponta de Sao Lourenco
<i>Juncus capitatus</i>	Dwarf Rush	Paul da Serra
<i>Juncus effusus</i>	Soft Rush	Below Ribeiro Frio
<i>Juncus inflexus</i>	Hard Rush	-
<i>Luzula campestris</i>	Field Wood-rush	Ribeiro Frio - Balcoes

Group/Species	English Name(if any)	Location
Liliaceae	Lily Family	
<i>Aloe arborescens</i>	Sword Aloe	Ponta de Sao Lourenco
<i>Asphodelus fistulosus</i>	Hollow-stemmed Asphodel	Porto Santo
<i>Agapanthus praecox</i>	African Lily	Common on Roadsides
Orchidaceae	Orchid Family	
<i>Dactylorhiza foliosa</i> *	Madeira Marsh Orchid	Ribeiro Frio
<i>Neotinea maculata</i>	Dense-flowered Orchid	Pico Ruivo
Zingiberaceae	Ginger Lily Family	
<i>Hedychium gardineranum</i>	Yellow Ginger Lily	Chao da Ribeira

Plants Associated with Parks, Streets and Gardens

Scientific Name	English Name	Location
<i>Abelia grandiflora</i>	Glossy Abelia	Street, Funchal
<i>Agathis brownii</i>	Kawri of the East Indies	Street, Funchal
<i>Agave attenuata</i>	Maguay Plant	Airport
<i>Araucaria bidwillii</i>	Bunya Pine	Funchal
<i>Araucaria heterophylla</i>	Norfolk Island Pine	Funchal
<i>Archontophoenix cunninghamiana</i>	Elegant Palm	Street, Funchal
<i>Asclepias fruticosa</i>	Wild Cotton or Silk Plant	-
<i>Bauhinia variegata</i>	Orchid Tree	Gardens, Funchal
<i>Bougainvillea x hybrida</i>	Bougainvillea	Street, Funchal
<i>Brunfelsia pauciflora</i>	Brunfelsia	Gardens, Funchal
<i>Brunsvigia rosea (Amaryllis belladonna)</i>	Amaryllis	Residencial Pina
<i>Burgmansia versicolor</i>	Angel's Trumpet	Gardens, Funchal
<i>Callistemon viminalis</i>	Weeping Bottle-brush	Street, Funchal
<i>Camelia japonica</i>	Camelia	Garden, Ribeiro Frio
<i>Canna sp.</i>	Indian Shot or Canna Lily	San Francisco Gardens, Funchal
<i>Carica papaya</i>	Pawpaw	Garden, Ribeira Brava
<i>Coprosma repens</i>	Mirror Plant	-
<i>Cassia (Senna) didymobotrya</i>	Popcorn Bush	Gardens, Funchal
<i>Casuarina cunninghamiana</i>	Casuarina or Australian Pine	Porto Santo
<i>Chasmanthe aethiopica</i>	Flag-lily	-
<i>Chorisia speciosa</i>	Kapok Tree	Street, Funchal
<i>Choisya ternata</i>	Mexican Orange Flower	Ribeiro Frio
<i>Clianthus puniceus</i>	Parrot's Bill or Lobster Claw	-
<i>Clivia nobilis</i>	Clivia	San Francisco Gardens, Funchal
<i>Colocasia esculenta</i>	Taro-root or Elephant Ears	Machico
<i>Dicksonia antarctica</i>	Tree Fern	Gardens, Funchal
<i>Eriobotrya japonica</i>	Japanese Loquat Tree	Gardens, Funchal
<i>Erythrina abyssinica</i>	Red Hot Poker Tree	-

<i>Erythrina crista-galli</i>	Cock's-comb or Coral Tree	Street, Funchal
<i>Erythrina speciosa</i>	Coral Tree	Garden, Funchal
<i>Eugenia uniflora</i>	Brazil Cherry	Residencial Pina
<i>Euphorbia ingens</i>	Candelabra Tree	Garden, Funchal
<i>Euphorbia pulcherrinia</i>	Poinsetta	Garden, Funchal
<i>Felicia sp.</i>	Felicia	-
<i>Ficus benjamina var.nuda</i>	Tufted Fig Tree	Machico
<i>Ficus elastica</i>	Indian Rubber Tree	Gardens, Funchal
<i>Furcraea (Agave) foetida</i>	Giant Agave	Gabo Girao
<i>Hibiscus rosa-sinensis</i>	Hibiscus or Shoe Plant	Street, Funchal
<i>Howea forsteriana</i>	Paradise Palm	San Francisco Gardens, Funchal
<i>Jacaranda mimosifolia</i>	Jacaranda	Street, Funchal
<i>Kigelia africana</i>	Fetish Tree	Gardens, Funchal
<i>Kniphofia uvaria</i>	Red Hot Poker	Residencial Pina
<i>Leucaena leucocephala</i>	West Indian Lead Tree	-
<i>Ligularia tussilaginea</i>	Coltsfoot	Gardens, Funchal
<i>Lillium longiflorum</i>	Easter Lily	Residencial Pina
<i>Magnolia grandiflora</i>	Large-flowered Magnolia	Santana
<i>Mangifera indica</i>	Mango	Garden, Santana
<i>Markhamia platycalyx</i>	Yellow Trumpet Tree	Street, Funchal
<i>Milia azedarach</i>	Persian Lilac or Bead Tree	Street, Funchal
<i>Monstera deliciosa</i>	Mexican Breadfruit	Gardens, Funchal
<i>Musa acuminata</i>	Dwarf Banana	Gardens, Funchal
<i>Musa x paradisiaca</i>	Silver Banana	Plantations west of Funchal
<i>Myoporum acuminatum</i>	Australian Blueberry	-
<i>Nerium oleander</i>	Oleander	Street, Funchal
<i>Ornithogalum thyrsoides</i>	Star of Bethlehem	Garden, Sao Vicente
<i>Pandanus utilis</i>	Screwpine	San Francisco Gardens, Funchal
<i>Passiflora x exoniensis</i>	Granadilla or Passion Flower	-
<i>Persea americana</i>	Avocado	Sao Vicente
<i>Phoenix canariensis</i>	Canary Island Palm	Street, Funchal
<i>Phytolacca americana</i>	Virginian Poke	-
<i>Platanus x hybrida</i>	Maple-leaved Plane	Street, Funchal
<i>Plumbago auriculata</i>	Plumbago	Street, Funchal
<i>Plumeria rubra</i>	Frangipani	Gardens, Funchal
<i>Protea cyranoides</i>	King Protea	-
<i>Salvia leucantha</i>	White Blooming Sage	-
<i>Schefflera actinophylla</i>	Umbrella Tree	Street, Funchal
<i>Sesbania punicea</i>	Sesbania	-
<i>Spathodea campanulata</i>	Flame of the Forest or African Tulip Tree	Street, Funchal
<i>Stelitzia reginae</i>	Bird of Paradise Plant	Residencial Pina
<i>Tibouchina urvilleana</i>	Brazilian Spyder Flower	-
<i>Tipuana tipu</i>	Pride of Bolivia	Street, Funchal
<i>Washingtonia filifera</i>	Fountain Palm	Residencial Pina

Bird list

Common Name	Scientific Name	May 2006						
		8	9	10	11	12	13	14
Bulwers Petrel	<i>Bulweria bulweria</i>					30+		
Cory's Shearwater	<i>Calonectris diomedea</i>			LO	50+	✓		
Little Shearwater	<i>Puffinus assimilis baroli</i>					LO		
Manx Shearwater	<i>Puffinus puffinus</i>				10+	50+		
Little Egret	<i>Egretta garzetta</i>					1		
Sparrowhawk	<i>Accipiter nisus granti</i>				1			
Buzzard	<i>Buteo buteo</i>		4	4	8	2	2	10
Kestrel	<i>Falco tinnunculus</i>		1	5	6	5	3	2
Kentish Plover	<i>Charadrius dubius</i>					1		
Turnstone	<i>Arenaria interpres</i>					3		
Wimbrel	<i>Numenius phaeopus</i>			5		8		
Red-legged Partridge	<i>Alectoris rufa</i>						LO	
Quail	<i>Coturnix coturnix</i>			H		H		
Western Yellow-l. Gull	<i>Larus michahellis atlantis</i>		c.50	100	✓	✓	✓	✓
Sandwich Tern	<i>Sterna sandvicensis</i>							
Common Tern	<i>Sterna hirundo</i>			7	15	8		
Ferel Pigeon / Rock Dove	<i>Columba livia</i>		✓	✓	✓	✓	✓	✓
Madeiran Laurel Pigeon	<i>Columba trocaz</i>		1		6			3
Pallid Swift	<i>Apus pallidus brehmorum</i>			1	2			
Plain Swift	<i>Apus unicolor</i>		10	✓	✓	✓	8	✓
Hoopoe	<i>Upupa epops</i>					6		
Swallow	<i>Hirundo rustica</i>			1				
Berthlot's Pipit	<i>Anthus berthelotii madeirensis</i>		4	20+		✓	✓	✓
Grey Wagtail	<i>Motacilla cinerea schmitzi</i>		3	8	6		2	3
Robin	<i>Erithacus rubecula</i>		6	✓	LO		6	12
Blackbird	<i>Turdus merula cabrerae</i>		10	✓	✓		✓	✓
Spectacled Warbler	<i>Sylvia conspicillata orbitalis</i>					4		
Blackcap	<i>Sylvia atricapilla heineken</i>		12	H	H	2		H
Madeiran Firecrest	<i>Regulus i. maderensis</i>		10					15
Spanish Sparrow	<i>Passer hispaniolensis</i>			8		✓	3	
Rock Sparrow	<i>Petronia petronia maderensis</i>					30+		
Chaffinch	<i>Fringilla coelebs madeirensis</i>		✓		1		6	15
Canary	<i>Serinus canaria</i>		3	10+	✓	✓	✓	✓
Goldfinch	<i>Carduelis carduelis</i>			7		3		2
Moorhen	<i>Gallinula chloropus</i>					8		
Sanderling	<i>Calidris</i>					1		
Dunlin	<i>Calidris alpina</i>					1		
Daily total			14	18	16	25	12	15
Grand total			14	21	24	34	34	34

H = Heard LO + Leader only

Butterflies

Species	Scientific Name	Location
Small White	<i>Pieris rapae</i>	Ribeiro Frio
Clouded Yellow	<i>Colias crocea faillae</i>	Below Ribeiro Frio
Madeiran Brimstone or Cleopatra	<i>Gonepteryx maderensis</i>	Below Ribeiro Frio
Madeiran Small Copper	<i>Lycaena phlacas phlaeoides</i>	Ponta da Calheta, Porto Santo
Long-tailed Blue	<i>Lampides boeticus</i>	Ponta da Calheta, Porto Santo
Macaronesian Red Admiral	<i>Vanessa vulcania</i>	Rabacal
Painted Lady	<i>Cynthia cardui</i>	Ponta de Sao Lourenco
European Speckled Wood	<i>Pararge aegeria aegeria</i>	Below Ribeiro Frio
Madeiran Speckled Wood	<i>Pararge xiphia</i>	Below Ribeiro Frio
Monarch or Milkweed Butterfly	<i>Danaus plexippus</i>	Funchal & Ribeira Brava

Other Insects and Archnids

Species	Scientific Name	Location
Orb-web Spider	<i>Cyrtophora citicola</i>	Campanario
Spurge Hawkmoth (Caterpillar)	<i>Hyles gecki</i>	Prainha

Reptiles & amphibians

Species	Scientific Name	Location
Madeiran Wall Lizard	<i>Lacerta (Teira) dugesii</i>	Ribeiro Frio
Perez's Frog (Heard)	<i>Rana perezi</i>	Ribeiro Frio - Portela

Mammals

Species	Scientific Name	Location
Rabbit	<i>Oryctolagus cuniculus</i>	Porto Santo and Paul da Serra

Lichens

Species	Scientific Name	Location
Latheriella baldensis	Yellow/Orange Lichen	Pico Arieiro
Lobaria pulmonaria	Lungwort	RibeiroFrio - Balcoes

Fungi

Species	Scientific Name	Location
Laurobasidium laurii	Madeiran Laurel Fungus	Ribeiro Frio - Balcoes

Algae

Species	Scientific Name	Location
Peacock's Tail Algae	<i>Padina pavonia</i>	Ponta da Calheta, Porto Santo

Bibliography

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