



## Phanerogamic flora and vegetation of Itacolomi State Park, Minas Gerais, Brazil

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**Abstract:** Located in the municipalities of Ouro Preto and Mariana, in the *Quadrilátero Ferrífero* (QF) of Minas Gerais, the Itacolomi State Park (ISP) shelters more than 7,000 ha of remnants of Atlantic Forest and *campos rupestres*. The QF region has high biodiversity and is being highly impacted, mainly by mining activities. Aiming to organize the available floristic information and to support related research, this study presents the list of phanerogamic species of the ISP and the major vegetation types. This survey was carried out from October/1992 to July/2006, by monthly field trips. Besides authors' personal collections, other records were assembled from herbarium databank. A total of 1623 taxons belonging to 122 families were listed. The families with higher species richness were Asteraceae, Fabaceae, Melastomataceae, Poaceae and Orchidaceae. The vegetation is represented by *campos rupestres* (51% of the total area), followed by montane forests (40%) and anthropogenic disturbed areas (9%). The greatest species richness occurs in *campos rupestres*. Several species are threatened and/or endemic. The knowledge of phanerogamic flora of ISP can help the Management Plan of this Unit of Conservation. It is also a contribution for future-related studies of the flora of ISP, Minas Gerais and Brazil.

**Keywords:** *Brazilian flora, campos rupestres, Iron Quadrangle flora, montane forests, rock outcrop flora, Neotropics.*

## Flora Fanerogâmica e Vegetação do Parque Estadual do Itacolomi, Minas Gerais, Brasil

**Resumo:** O Parque Estadual do Itacolomi (PEIT) localiza-se nos municípios de Ouro Preto e Mariana, no Quadrilátero Ferrífero de Minas Gerais e abriga mais de 7.000 ha de remanescentes de mata atlântica e campos rupestres. A região do QF possui alta biodiversidade vegetal e está sobre alto impacto, principalmente pela mineração. O objetivo deste estudo foi apresentar a lista das espécies fanerogâmicas e os principais tipos vegetacionais desse Parque, no intuito de organizar a diversidade florística existente, além de servir como suporte para pesquisas correlatas subsequentes. O levantamento florístico foi realizado de outubro/1992 a julho/2006 por excursões mensais ao campo. Foram também incluídas na listagem registros ocorrentes em banco de dados de herbários. Foram identificados 1623 táxons, pertencentes à 122 famílias. As famílias mais representativas foram Asteraceae, Fabaceae, Melastomataceae, Poaceae e Orchidaceae. A vegetação do PEIT é constituída por campos rupestres (51% da área do parque), seguido pelas florestas montanas (40%) e por formações antrópicas (9%). A maior riqueza de espécies ocorre nos campos rupestres. Diversas espécies figuram em listas de espécies ameaçadas de extinção e outras são endêmicas. O conhecimento da flora fanerogâmica do Parque Estadual do Itacolomi pode subsidiar o Plano de Manejo dessa Unidade de Conservação e contribuir para futuros trabalhos correlatos nesta área, além de suprir conhecimentos para a flora de Minas Gerais e do Brasil.

**Palavras-chave:** *campos rupestres, flora do Quadrilátero Ferrífero, flora do Brasil, florestas montanas, Neotropicos.*

## Introduction

Minas Gerais is the Brazilian State with the highest richness and endemism of Angiosperm species and harbors important phytogeographical domains (BFG 2015). Among them, the Atlantic Forest and the *Cerrado*

are the largest, richest and more threatened ones (Fundação SOS Mata Atlântica 1998, Coutinho 2006). Atlantic Forest is one of the most biologically rich and diverse domain in the world, with around 20,000 plant species, representing 8% of the Earth's flora (Fundação SOS Mata Atlântica 1998). In spite of the Atlantic Forest being considered

a biodiversity hotspot (Myers et al. 2000), it was reduced to less than 12% of its original size, with most of the remaining areas restricted to Conservation Units (Ribeiro et al. 2009).

With regard to Brazilian vegetation, the *campos rupestres* stand out due to the peculiar and rich biodiversity. They occur from an altitude of 900m above sea level and upwards, mainly along the *Espinhaço* Range, in the States of Minas Gerais and Bahia, and with disjunct parts of the same chain, between latitudinal limits of 21°10' and 10° S (Giulietti & Pirani 1988). Phytogeographically, the *campos rupestres* are classified into the *Cerrado* domain (Coutinho 2006, Batalha 2011), a kind of savanna, where plants grow in a wide variety of substrates including rock outcrops of quartzite, sandstone or ironstone, along with sandy, stony and waterlogged grasslands (Silveira et al. 2016). *Campos rupestres* also harbor several endemic and threatened species from different groups of organisms (Echternacht et al. 2011, BGF 2015, Silveira et al. 2016). Among the 538 threatened plant species of the Minas Gerais State, 358 (66.5 percent) occur in this kind of physiognomy (Costa et al. 1998). Among the Brazilian vegetation types, the *campos rupestres* have the highest percentage of endemism (1,951 endemic out of 4,928 species) (BGF 2015)

The *Quadrilátero Ferrífero* (Iron Quadrangle) Region (QF) covers an area of 7,000 km<sup>2</sup>, in the central portion of the Minas Gerais State (Dorr 1969). This region is considered to be of extreme biological importance (Costa et al. 1998). The QF landscape is a mosaic under the influence of two Brazilian hotspots, Cerrado and Atlantic Forest, giving evidence of the ecotonal character of the region (Echternacht et al. 2011). The Atlantic Forest in the QF Region is mainly represented by a seasonal semideciduous type (Morellato & Haddad 2000) and the *Cerrado* occurs in different phytogeographies, including the *campos rupestres* (Silveira et al. 2016). The *campos rupestres* in the *Quadrilátero Ferrífero*, occur frequently in areas with quartzite rocks, interspersed mainly with banded iron formation (BIF's), also known as *cangas* (Messias et al. 2011, 2012, 2013). *Cangas*

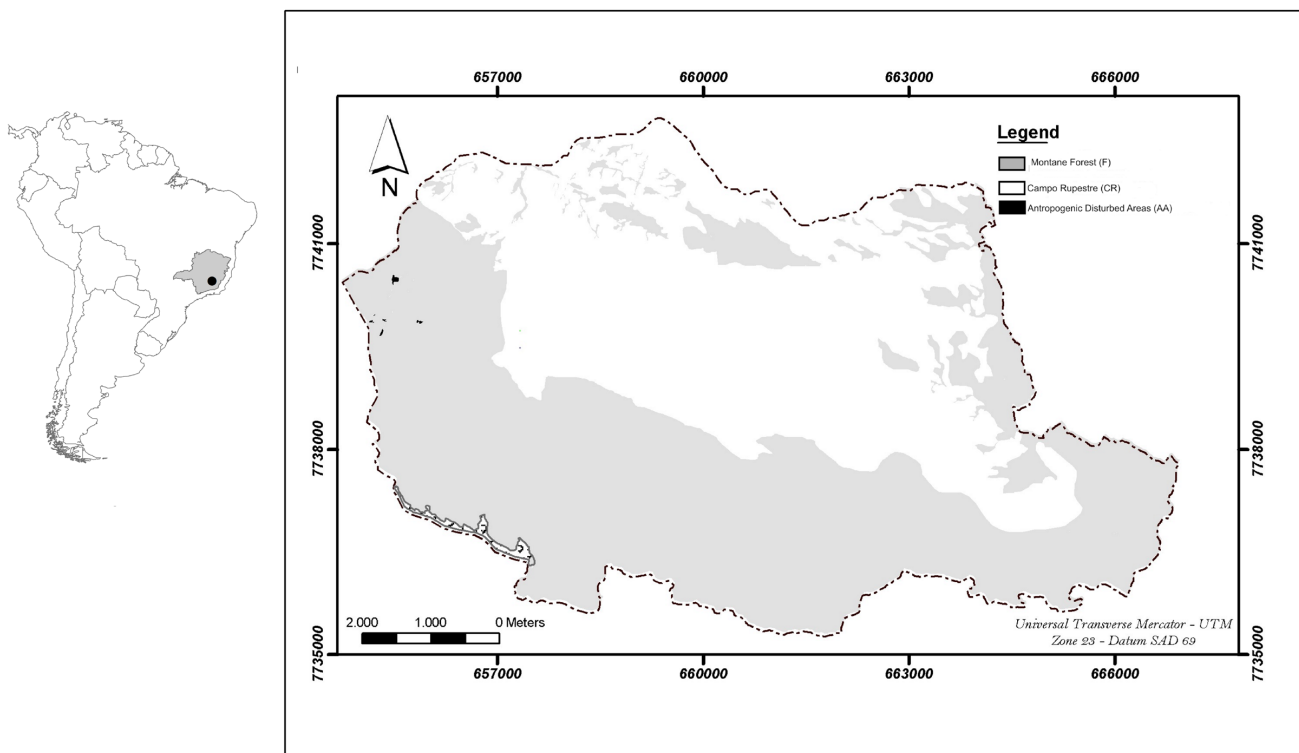
are one of the most diverse, threatened and least studied ecosystems of southeast Brazil (Jacobi et al. 2007). In spite of the great biodiversity, mining, as well as metallurgical industries, urban expansion, among other activities, have provoked a high environmental impact in the *Quadrilátero Ferrífero* Region (Jacobi et al. 2007).

Itacolomi State Park is one of the few full protection conservation units in this region (IEF 2016) and shelters more than 7,000 ha of remnants of Atlantic Forest and *campos rupestres*. Most of the *campos rupestres* are quartzitic, but ISP is one of the three full protection parks of Minas Gerais also harboring ferruginous *campos rupestres*. Thus, this conservation unit in this region plays an important role in protecting biodiversity.

Little is still known about Itacolomi State Park flora, whose domain is an ecotone region between the Atlantic Forest and the *Cerrado*. There were found only a preliminary checklist of *campos rupestres* (Peron 1989), specific family studies about Orchidaceae (Alves 1990, Batista et al. 2004), Leguminosae (Dutra et al. 2005, 2008a, 2008b, 2009, 2014, Lima et al. 2007, 2010), Bromeliaceae (Coser et al. 2010), Myrtaceae (Bünger et al. 2012) and Asteraceae (Barnadesiae e Mutiseae) (Almeida et al. 2014). And also, few floristic studies have been recently published on small patches of *campos rupestres* (Gastauer et al. 2012) and forests (Pedreira & Sousa 2011) of this conservation unit. The aims of this study are to present a brief description of the vegetation of Itacolomi State Park (ISP) and to present a checklist of the phanerogamic flora.

## Material and Methods

This survey was carried out in Itacolomi State Park (ISP), situated in the municipalities of Ouro Preto (World Patrimony by Unesco) and Mariana (Brazilian Historic Patrimony), Minas Gerais State, (43°32'30" to 43°22'30"W and 20°22'30" to 20°30'00"S). This Brazilian Conservation Unit was created in 1967 by Minas Gerais State law n° 4465 (Figure 1).



**Figure 1.** Vegetation map and location of the Itacolomi State Park (ISP), Ouro Preto and Mariana, Minas Gerais, Brazil. F = Montane Forest, CR = Campos rupestres, AA = Anthropogenic disturbed areas.

According to Peron (1989) the vegetation at ISP is formed mainly by *campos rupestres* permeated by riparian or semideciduous forest fragments.

The climate, according Köppen classification is Cwb, i. e. mesotermic, with a warm and rainy season from September to April with a dry season from May to August (Álvares et al. 2013). The annual mean rainfall is 1,250 mm and the annual mean temperature is about 20°C (varying from 4 to 33°C). Fog is frequent, especially during the dry season.

The relief is characterized by steep slopes where the altitudes varies from 700 to 1772 m. The Park covers the greatest part of Itacolomi Hill, at the southern of Espinhaço Range, with around 7,500 ha (Castañeda 1993). The geology of ISP comprises clastic metasedimentary rocks from Rio das Velhas and Minas Supergroups, Sabará and Itacolomi Groups. The quartzite of Itacolomi Group occurs in the greatest proportion of the Park area. There are also intrusions of metabasic rocks and a superficial iron crusts known as *canga* (Castañeda 1993). According to the same author, the soils at Itacolomi vary from sandy shallow soils, mostly associated to quartzite, occurring in *campos rupestres* to deeper ones, mainly Latossols (Oxisols), at forest patches at lower altitudes.

This survey was carried out from October/1992 to July/2006, when monthly field trips were taken, all over the Park. The collected species were herborized and deposited in the Professor José Badini Herbarium (OUPR) at Federal University of Ouro Preto. The species identification was made by comparison with previously identified material at RB, BHCB, VIC and OUPR herbaria, by using specialized literature and with the help of specialists.

Aiming to supplement the checklist, records from SpeciesLink (CRIA 2016) and JABOT (JBRJ 2016) databank were included. Materials determined only at the family level were not considered and the ones identified at generic level were included only when deposited in OUPR and assumed

they were different from the species already listed. Records included in the checklist appear cited with acronyms according to Thiers (2016).

The circumscription of families followed the Angiosperm Phylogeny Group - APG III (Chase & Reveal 2009). The species names were checked with the database of the list of species of the Brazilian Flora 2020 Project (2016) and The Plant List (2013). Each species was described by its habit (Rizzini 1997) and habitat. The forest vegetation was classified according to Veloso et al. (1991) and the grasslands areas followed Ferri (1980), Eiten (1983) and Giulietti et al. (1987). The major vegetation types are Montane Forest (F), *Campos Rupestres* (CR) and Anthropogenic Disturbed Areas (AA). In order to recognize the threatened species, it was consulted the IUCN Red List (2015), as well as the Brazilian (MMA 2014) and Minas Gerais (COPAM 1997) Red Lists.

The vegetation map was made using an IKONOS image, which was provided by the State Forest Institute of Minas Gerais (IEF). The vegetation groups described were identified in the field campaigns and then designed in Geographic Information System (GIS) environment with Arcview 9.2 software (Environmental Systems Research Institute, 2007).

## Results and Discussion

A total of 1614 species, one subspecies and eight varieties, belonging to 569 genera and 122 families were identified (Table 1). The species richness in ISP is comparable with other mountainous areas along the Espinhaço Range, e.g. Pico das Almas: 930 species (Stannard et al. 1995), Ibitipoca: 1080 species (Forzza et al. 2013), Grão Mogol: 1073 species (Pirani et al. 2003), Serra de São José: 1087 species (Alves & Kolbek 2009) and Serra do Cipó: 1530 species (Giulietti et al. 1987). These results highlight how diverse is the ISP flora as well as the importance of focusing on further taxonomic studies in this park.

**Table 1.** Checklist of phanerogamic species of Itacolomi State Park, Ouro Preto/Mariana, Minas Gerais, Brazil and their respective habit, habitat and voucher (Herbarium acronym + number). Habitat: F = Montane forest, CR = Campos rupestres, AA = Anthropogenic disturbed areas. After the species name, in red, the categories of threatened species and references: CR = Critically endangered, DD = Data deficient, EN = Endangered, EX = Probably Extinct, LC = Least concern, NT = Near threatened, VU = Vulnerable, \* COPAM (1997), \*\* MMA (2014), \*\*\* IUCN (2015).

Family / Species	Habit	Habitat	Voucher
<b>Acanthaceae</b>			
<i>Aphelandra prismatica</i> (Vell.) Hiern	Subshrub	F	OUPR 9064
<i>Aphelandra</i> sp	Subshrub	F	OUPR 1296
<i>Clistax brasiliensis</i> Mart.	Subshrub	F	BHCB 41493
<i>Justicia monticola</i> (Nees) Proffice	Liana	CR	OUPR 102
<i>Justicia</i> sp1	Subshrub	F	OUPR 6780
<i>Justicia</i> sp2	Subshrub	F	OUPR 6825
<i>Justicia</i> sp3	Subshrub	F	OUPR 1403
<i>Justicia</i> sp4	Subshrub	F	OUPR 1991
<i>Justicia</i> sp5	Subshrub	F	OUPR 19286
<i>Mendoncia puberula</i> Mart.	Liana	CR	OUPR 045
<i>Mendoncia velloziana</i> Mart.	Liana	F	OUPR 1273
<i>Ruellia geminiflora</i> Kunth	Subshrub	CR	OUPR 061
<i>Ruellia jussieuoides</i> Schltdl. & Cham.	Subshrub	F	OUPR 7352
<i>Ruellia macrantha</i> (Mart. ex Ness) Lindau	Subshrub	CR,F	OUPR 1996
<i>Ruellia neesiana</i> (Mart. ex Ness) Lindau	Subshrub	CR	NY 1059877
<i>Staurogyne minarum</i> (Nees) Kuntze <b>EN*</b>	Subshrub	F	OUPR 10002
<i>Staurogyne vauthieriana</i> (Nees) Kuntze <b>EN*</b>	Subshrub	F	HRCB 42225
<i>Staurogyne</i> sp	Subshrub	F	OUPR 7411
<b>Alismataceae</b>			
<i>Echinodorus grandiflorus</i> (Cham. & Schltr.) Micheli	Herb	AA	NY 51987
<b>Alstroemeriaceae</b>			
<i>Alstroemeria foliosa</i> Mart. ex Schult. & Schult.f.	Herb	CR	OUPR 617
<i>Alstroemeria haemantha</i> Ruiz & Pav.	Herb	F	OUPR 1308

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Bomarea edulis</i> (Tussac) Herb.	Liana	F	OUPR 577
<b>Amaranthaceae</b>			
<i>Alternanthera brasiliana</i> (L.) Kuntze	Subshrub	F	OUPR 6800
<i>Alternanthera brasiliana</i> var. <i>moquini</i> Uline & W.L.Bray	Subshrub	CR,F	RB 170197
<i>Amaranthus spinosus</i> L.	Subshrub	CR	RB 244325
<i>Amaranthus viridis</i> L.	Subshrub	AA	NY 837913
<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants	Subshrub	CR	OUPR 2743
<b>Amoryllidaceae</b>			
<i>Hippeastrum correiense</i> (Bury) Worsley	Herb	CR	RB 112160
<i>Hippeastrum damazianum</i> Beauverd	Herb	CR	OUPR 1404
<i>Hippeastrum organense</i> Herb.	Herb	CR	OUPR 7392
<b>Anacardiaceae</b>			
<i>Schinus terebinthifolius</i> Raddi	Shrub	CR,F	OUPR 1201
<i>Tapirira guianensis</i> Aubl.	Tree	F	OUPR 9059
<b>Annonaceae</b>			
<i>Annona emarginata</i> (Schltdl.) H.Rainer	Tree	F	OUPR 19153
<i>Guatteria australis</i> A.St.-Hil.	Shrub	F	OUPR 20217
<i>Guatteria pohliana</i> Schltdl. <b>VU*</b>	Shrub	F	OUPR 5270
<i>Guatteria sellowiana</i> Schltdl. <b>VU*</b>	Tree	F	OUPR 1202
<i>Guatteria villosissima</i> A.St.-Hil. <b>VU*</b>	Tree	F	OUPR 1505
<i>Xylopia brasiliensis</i> Spreng.	Tree	F	OUPR 1398
<b>Apiaceae</b>			
<i>Centella asiatica</i> (L.) Urb.	Herb	CR	OUPR 13609
<i>Ciclospermum leptophyllum</i> (Pers.) Britton P.Wilson	Subshrub	AA	NY 877641
<i>Eryngium eurycephalum</i> Malme	Herb	CR	NY 877731
<i>Eryngium paniculatum</i> Cav. & Dombey ex F.Delaroche	Herb	CR	OUPR 1352
<b>Apocynaceae</b>			
<i>Asclepias curassavica</i> L.	Subshrub	CR	OUPR 19409
<i>Aspidosperma spruceanum</i> Benth. ex Müll.Arg.	Tree	F	OUPR 1468
<i>Blepharodon ampliflorum</i> E.Fourn.	Liana	CR	MO 1246283
<i>Blepharodon pictum</i> (Vahl) W.D.Stevens	Liana	CR	MO 1934634
<i>Condylocarpon intermedium</i> subsp. <i>laxum</i> (Müll.Arg.) Fallen	Liana	F	OUPR 366
<i>Condylocarpon isthmicum</i> (Vell.) A. DC.	Liana	CR	OUPR 17722
<i>Ditassa aequicymosa</i> E. Fourn. <b>VU*</b>	Liana	CR	RB 361320
<i>Ditassa laevis</i> Mart. <b>VU*, EN**</b>	Liana	CR	OUPR 833
<i>Ditassa longisepala</i> (Hua) Fontella & E. A. Schwarz <b>VU*, EN**</b>	Liana	CR	OUPR 739
<i>Ditassa mucronata</i> Mart.	Liana	F	OUPR 1379
<i>Ditassa nitida</i> Decne.	Liana	CR	BHCB 110
<i>Ditassa tomentosa</i> (Decne.) Fontella	Liana	CR	OUPR 743
<i>Forsteronia velloziana</i> (A.DC.) Woodson	Liana	F	OUPR 6804
<i>Gonioanthea hilariana</i> (E. Fourn.) Malme	Liana	CR	OUPR 717
<i>Mandevilla atrovioleacea</i> (Stadelm.) Woodson	Liana	F	RB 277734
<i>Mandevilla emarginata</i> (Vell.) C.Ezcurra	Shrub	CR	OUPR 1272
<i>Mandevilla immaculata</i> Woodson	Liana	CR	SP 139907
<i>Mandevilla martiana</i> (Stadelm.) Woodson	Liana	CR,F	OUPR 400
<i>Mandevilla sellowii</i> (Müll.Arg.) Woodson	Liana	F	NY 1183021
<i>Mandevilla tenuifolia</i> (J.C.Mikan) Woodson	Subshrub	CR	OUPR 423
<i>Mandevilla</i> sp1	Shrub	CR	RB 277638
<i>Mandevilla</i> sp2	Subshrub	CR	OUPR 8261
<i>Minaria decussata</i> (Mart.) T.U.P.Konno & Rapini	Liana	CR	OUPR 8743
<i>Orthosia scoparia</i> (Nutt.) Liede & Meve	Liana	F	OUPR 6797
<i>Oxypetalum appendiculatum</i> Mart.	Liana	CR	OUPR 883
<i>Oxypetalum foliosum</i> Mart.	Subshrub	CR	OUPR 1488
<i>Oxypetalum glabrum</i> (Decne.) Malme	Liana	CR	BHCB 114
<i>Oxypetalum insigne</i> (Decne.) Malme	Liana	CR	OUPR 799
<i>Oxypetalum minarum</i> E. Fourn.	Liana	CR	OUPR 943
<i>Oxypetalum strictum</i> Mart.	Liana	CR	OUPR 7228
<i>Peplonia asteria</i> (Vell.) Fontella & E.A.Schwarz	Liana	F	OUPR 717



Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Stipecoma peltigera</i> (Stadelm.) Müll. Arg.	Liana	F	OUPR 20151
<b>Aquifoliaceae</b>			
<i>Ilex chamaedryfolia</i> Reissek	Shrub	CR	OUPR 478
<i>Ilex conocarpa</i> Reissek	Shrub	CR,F	OUPR 13606
<i>Ilex euryaeformis</i> Reissek	Shrub	CR	OUPR 4639
<i>Ilex grandis</i> Reissek	Shrub	F	OUPR 1358
<i>Ilex loranthoides</i> Mart. ex Reissek <b>VU*</b> ,**	Shrub	CR	OUPR 1357
<i>Ilex subcordata</i> Reissek	Shrub	CR	OUPR 446
<i>Ilex theezans</i> Mart. ex Reissek	Tree	F	OUPR 19183
<b>Araceae</b>			
<i>Anthurium minarum</i> Sakur. & Mayo	Herb	CR	OUPR 1467
<i>Anthurium scandens</i> (Aubl.) Engl.	Herb	CR,F	OUPR 1486
<i>Philodendron propinquum</i> Schott	Herb	F	OUPR 24872
<b>Araliaceae</b>			
<i>Dendropanax cuneatus</i> (DC.) Decne & Planch	Tree	F	OUPR 565
<i>Hydrocotyle quinqueloba</i> Ruiz & Pav.	Herb	CR	OUPR 1504
<i>Hydrocotyle verticillata</i> Thunb.	Herb	CR	OUPR 1504
<i>Schefflera calva</i> (Cham.) Frodin & Fiaschi	Tree	F	BHCB 8276
<i>Schefflera macrocarpa</i> (Cham. & Schltdl.) Frodin	Tree	CR,F	OUPR 534
<i>Schefflera vinosa</i> (Cham. & Schltdl.) Frodin & Fiaschi	Shrub	F	OUPR 1319
<i>Schefflera</i> sp	Shrub	CR	RB 112206
<b>Araucariaceae</b>			
<i>Araucaria angustifolia</i> (Bertol.) Kuntze <b>EN*</b> ,**	Tree	F	OUPR 23543
<b>Areaceae</b>			
<i>Geonoma brevispatha</i> Barb.Rodr.	Palm	F	BHCB 42284
<i>Geonoma schottiana</i> Mart.	Palm	F	OUPR 6955
<b>Aristolochiaceae</b>			
<i>Aristolochia smilacina</i> (Klotzsch) Duch.	Liana	CR	OUPR 687
<b>Asteraceae</b>			
<i>Acanthospermum australe</i> (Loefl.) Kuntze	Subshrub	AA	JB 490409
<i>Achyrocline alata</i> (Kunth) DC.	Subshrub	CR	OUPR 1547
<i>Achyrocline albicans</i> Griseb.	Subshrub	CR	OUPR 1553
<i>Achyrocline satyroides</i> (Lam.) DC.	Subshrub	CR	OUPR 12807
<i>Ageratum conyzoides</i> L.	Subshrub	CR	OUPR 1578
<i>Ageratum fastigiatum</i> (Gardner) R.M.King & H.Rob.	Subshrub	CR	RB 486721
<i>Ageratum myriadenium</i> (Sch.Bip. ex Baker) R.M.King & H.Rob.	Subshrub	CR	BHCB 41506
<i>Apopyros corymbosus</i> (Hook. & Arn.) G.L.Nesom	Subshrub	CR	NY 787836
<i>Aspilia caudata</i> J.U.Santos <b>CR*</b>	Shrub	CR	VIC 26515
<i>Aspilia pohlii</i> (Sch.Bip. ex Baker) Baker <b>DD**</b>	Subshrub	CR	VIC 8312
<i>Austrocritonia angulicaulis</i> (Sch. Bip. ex Baker) R.M.King & H.Rob.	Subshrub	CR	OUPR 18551
<i>Austrocritonia velutina</i> (Gardner) R.M.King & H.Rob.	Subshrub	F	BHCB 161975
<i>Austro eupatorium neglectum</i> (B.L.Rob.) R.M.King & H.Rob.	Shrub	CR	OUPR 14853
<i>Ayapana amygdalina</i> (Lam.) R.M.King & H.Rob.	Subshrub	CR	OUPR 16892
<i>Baccharis aphylla</i> (Vell.) DC.	Subshrub	CR	OUPR 2320
<i>Baccharis articulata</i> (Lam.) Pers.	Subshrub	CR	VIC 22077
<i>Baccharis brevifolia</i> DC.	Subshrub	CR	RB 275538
<i>Baccharis calvescens</i> DC.	Shrub	CR	RB 486583
<i>Baccharis cognata</i> DC.	Subshrub	CR	RB 486604
<i>Baccharis crispa</i> Spreng.	Subshrub	CR	RB 486597
<i>Baccharis dentata</i> (Vell.) G.M.Barroso	Subshrub	CR	HUFU 42320
<i>Baccharis dracunculifolia</i> DC.	Subshrub	CR	OUPR 1287
<i>Baccharis genistelloides</i> (Lam.) Pers.	Subshrub	CR	OUPR 12791
<i>Baccharis glutinosa</i> Pers.	Subshrub	CR	VIC 22069
<i>Baccharis gnidiifolia</i> Kunth	Shrub	CR	OUPR 4937
<i>Baccharis helichrysoides</i> DC.	Shrub	CR	OUPR 1288
<i>Baccharis hirta</i> DC.	Subshrub	CR	OUPR 4852
<i>Baccharis illinita</i> DC.	Subshrub	CR	VIC22071
<i>Baccharis junciformis</i> DC.	Subshrub	CR	OUPR 4928

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Baccharis lateralis</i> Baker	Shrub	CR	RB 157380
<i>Baccharis latifolia</i> (Ruiz & Pav.) Pers.	Subshrub	CR	OUPR 3456
<i>Baccharis ligustrina</i> DC.	Shrub	CR	HUFU 42319
<i>Baccharis linearifolia</i> (Lam.) Pers.	Shrub	CR	VIC 22176
<i>Baccharis lychnophora</i> Gardner <b>VU*</b> , <b>EN**</b>	Shrub	CR	RB 275530
<i>Baccharis microcephala</i> (Less.) DC.	Subshrub	CR	VIC 22063
<i>Baccharis montana</i> DC.	Subshrub	CR	OUPR 1747
<i>Baccharis oblongifolia</i> (Ruiz & Pav.) Pers.	Subshrub	CR	RB 486562
<i>Baccharis platypoda</i> DC.	Shrub	CR	OUPR 9054
<i>Baccharis pseudomyriocephala</i> Malag.	Shrub	CR	OUPR 12806
<i>Baccharis punctulata</i> DC.	Shrub	CR	OUPR 3453
<i>Baccharis reticularia</i> DC.	Shrub	CR	OUPR 4865
<i>Baccharis retusa</i> DC.	Subshrub	CR	RB 486582
<i>Baccharis rufidula</i> (Spreng.) Joch.Müll.	Shrub	CR	RB 277732
<i>Baccharis sagittalis</i> (Less.) DC.	Subshrub	CR	OUPR 4928
<i>Baccharis semiserrata</i> DC.	Shrub	CR	RB 486706
<i>Baccharis serrulata</i> (Lam.) Pers.	Subshrub	CR	OUPR 23270
<i>Baccharis sessiliflora</i> Vahl	Shrub	CR	OUPR 2664
<i>Baccharis subdentata</i> DC.	Shrub	CR	RB 486595
<i>Baccharis tarchonanthoides</i> DC.	Subshrub	CR	OUPR 12790
<i>Baccharis tridentata</i> Vahl	Subshrub	CR	RB 486741
<i>Baccharis trinervis</i> Pers.	Liana	CR	RB 486620
<i>Baccharis vulneraria</i> Baker	Shrub	CR	OUPR 4994
<i>Baccharis</i> sp1	Shrub	CR	OUPR 9053
<i>Baccharis</i> sp2	Shrub	CR	OUPR 15602
<i>Barrosoa organensis</i> (Gardner) R.M.King & H.Rob.	Shrub	CR	RB 486774
<i>Bartlettina hemisphaerica</i> (DC.) R.M.King & H.Rob.	Shrub	CR	OUPR 14502
<i>Bidens pilosa</i> L.	Subshrub	CR	OUPR 13594
<i>Bidens rubifolia</i> Kunth	Liana	CR,F	OUPR 1354
<i>Bidens segetum</i> Mart. ex Colla	Liana	F	VIC 26510
<i>Calea clauseniana</i> Baker	Subshrub	CR	VIC 26502
<i>Calea clematidea</i> Baker	Subshrub	CR	OUPR 22365
<i>Calea fruticosa</i> (Gardner) Urbatsch, Zlotzky & Pruski	Shrub	CR	OUPR 1286
<i>Calea lemmatioides</i> Sch.Bip. ex Baker	Subshrub	CR	OUPR 1338
<i>Calea rotundifolia</i> (Less.) Baker	Subshrub	CR	RB 489982
<i>Campovassouria cruciata</i> (Vell.) R.M.King & H.Rob.	Shrub	CR	OUPR 16909
<i>Centratherum punctatum</i> Cass.	Subshrub	CR	OUPR 20305
<i>Chaptalia graminifolia</i> (Dusén) Cabrera	Subshrub	CR	VIC 21840
<i>Chaptalia integerrima</i> (Vell.) Burkart	Subshrub	CR	RB 324851
<i>Chaptalia martii</i> (Baker) Zardini <b>EN*</b>	Subshrub	CR	OUPR 7038
<i>Chaptalia nutans</i> (L.) Pol.	Subshrub	CR	OUPR 13583
<i>Chaptalia runcinata</i> Kunth	Subshrub	CR	NY 362359
<i>Chevreulia acuminata</i> Less.	Subshrub	CR	RB 490161
<i>Chionolaena capitata</i> (Baker) S.E.Freire	Subshrub	CR	RB 1468
<i>Chionolaena lychnophorioides</i> Sch.Bip. <b>VU*</b>	Subshrub	CR	RB 324850
<i>Chromolaena adenolepis</i> (Sch.Bip. ex Baker) R.M.King & H.Rob.	Subshrub	CR	VIC 26568
<i>Chromolaena barbacensis</i> (Hieron.) R.M.King & H.Rob.	Subshrub	CR	RB 486723
<i>Chromolaena cylindrocephala</i> (Sch.Bip. ex Baker) R.M.King & H.Rob.	Subshrub	CR	RB 275393
<i>Chromolaena decumbens</i> Gardner	Subshrub	CR	OUPR 1341
<i>Chromolaena laevigata</i> (Lam.) R.M.King & H.Rob.	Shrub	CR	OUPR 18318
<i>Chromolaena latisquamulosa</i> (Hieron.) R.M.King & H.Rob.	Subshrub	CR	RB 489213
<i>Chromolaena maximilianii</i> (Schrad. ex DC.) R.M.King & H.Rob.	Subshrub	CR	OUPR 18517
<i>Chromolaena multiflosculosa</i> (DC.) R.M.King & H.Rob.	Subshrub	CR	OUPR 18843
<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob.	Shrub	AA,CR	OUPR 14460
<i>Chromolaena pedalis</i> (Sch. Bip. ex Baker) R.M.King & H.Rob.	Subshrub	CR	OUPR 1343
<i>Chromolaena perforata</i> (Sch.Bip. ex Baker) R.M.King & H.Rob.	Subshrub	CR	RB 486781
<i>Chromolaena squalida</i> (DC.) R.M.King & H.Rob.	Subshrub	CR	OUPR 16856
<i>Chromolaena squarrosula</i> (Hook. & Arn.) R.M.King & H.Rob.	Subshrub	CR	OUPR 18567

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Chromolaena stachyophylla</i> (Spreng.) R.M.King & H.Rob.	Subshrub	CR	OUPR 15603
<i>Chromolaena vindex</i> (DC.) R.M.King & H.Rob.	Subshrub	CR	RB 486779
<i>Chrysolaena cognata</i> (Less.) Dematt.	Subshrub	CR	OUPR 19959
<i>Chrysolaena simplex</i> (Less.) Dematt.	Subshrub	CR	OUPR 3776
<i>Chrysolaena obovata</i> (Less.) Dematt.	Subshrub	CR	HUFU 54022
<i>Chrysolaena platensis</i> (Spreng.) H.Rob.	Subshrub	CR	OUPR 20752
<i>Chrysolaena propringua</i> (Hieron.) H.Rob.	Subshrub	CR	RB 158177
<i>Chrysolaena verbascifolia</i> (Less.) H.Rob.	Subshrub	F	OUPR 2939
<i>Clibadium armani</i> (Balb.) Sch. Bip. ex O.E. Schulz	Subshrub	CR	OUPR 1458
<i>Conyza bonariensis</i> (L.) Cronquist	Subshrub	CR	RB 486589
<i>Conyza canadensis</i> (L.) Cronquist	Subshrub	AA	VIC 22160
<i>Conyza monorchis</i> (Griseb.) Cabrera	Subshrub	CR	RB 162919
<i>Conyza primulifolia</i> (Lam.) Cuatrec. & Lourteig	Subshrub	F	RB 486622
<i>Conyza sumatrensis</i> (Retz.) E.Walker	Subshrub	F	RB 486608
<i>Cyrtocymura scorpioides</i> (Lam.) H.Rob.	Subshrub	CR	OUPR 13602
<i>Dasyphyllum brasiliense</i> (Spreng.) Cabrera	Shrub	CR	RB 468820
<i>Dasyphyllum candolleanum</i> (Gardner) Cabrera	Shrub	CR	VIC 21807
<i>Dasyphyllum flagellare</i> (Casar.) Cabrera	Shrub	CR	OUPR 1401
<i>Dasyphyllum fodinarum</i> (Gardner) Cabrera	Shrub	CR	OUPR 5152
<i>Dasyphyllum sprengelianum</i> var. <i>inermis</i> (Gardner) Cabrera	Shrub	CR	VIC 21799
<i>Dasyphyllum sprengelianum</i> var. <i>sprengelianum</i> (Gardner) Cabrera	Shrub	CR	VIC 21796
<i>Dendrophorbium pellucidinerve</i> (Sch.Bip. ex Baker) C.Jeffrey	Shrub	CR	OUPR 15109
<i>Echinocoryne holosericea</i> (Mart. ex DC.) H.Rob.	Subshrub	CR	OUPR 20145
<i>Echinocoryne schwenkiiifolia</i> (Mart. ex DC.) H.Rob.	Subshrub	CR	VIC 21974
<i>Eclipta prostrata</i> (L.) L.	Subshrub	AA,CR	OUPR 14333
<i>Elephantopus biflorus</i> (Less.) Sch.Bip.	Subshrub	CR	OUPR 14344
<i>Elephantopus mollis</i> Kunth	Herb	AA,CR	OUPR 14353
<i>Emilia fosbergii</i> Nicolson	Subshrub	CR	VIC 22225
<i>Emilia sonchifolia</i> (L.) DC. ex Wight	Subshrub	AA,CR	OUPR 2166
<i>Erechtites hieracifolius</i> (L.) Raf. ex DC.	Subshrub	CR	OUPR 14372
<i>Erechtites valerianifolius</i> (Wolf) DC	Subshrub	CR	OUPR 14380
<i>Eremanthus crotonoides</i> (DC.) Sch.Bip.	Shrub	CR	OUPR 19248
<i>Eremanthus erythropappus</i> (DC.) MacLeish	Tree	CR,F	OUPR 1385
<i>Eremanthus glomerulatus</i> Less.	Tree	CR	VIC 21891
<i>Eremanthus incanus</i> (Less.) Less.	Shrub	CR	OUPR 16943
<i>Fleischmannia laxa</i> (Gardner) R.M. King & H. Rob.	Subshrub	CR	OUPR 14028
<i>Galatella linosyris</i> (L.) Rchb.f.	Subshrub	CR	OUPR 2080
<i>Galinsoga parviflora</i> Cav.	Subshrub	AA	VIC 26498
<i>Gamochaeta americana</i> (Mill.) Wedd.	Subshrub	CR	RB 490033
<i>Gamochaeta purpurea</i> (L.) Cabrera	Subshrub	CR	RB 490162
<i>Gamochaeta simplicicaulis</i> (Willd. ex Spreng.) Cabrera	Subshrub	CR	RB 163267
<i>Gamochaeta</i> sp	Subshrub	CR	RB 190526
<i>Gnaphalium cheiranthifolium</i> Bertero ex Lam.	Subshrub	CR	OUPR 14961
<i>Grazielia coriacea</i> (Scheele) R.M.King & H.Rob.	Subshrub	CR	OUPR 14457
<i>Grazielia gaudichaudeana</i> (DC.) R.M.King & H.Rob.	Shrub	CR	RB 163258
<i>Grazielia intermedia</i> (DC.) R.M.King & H.Rob.	Shrub	CR	RB 486734
<i>Grazielia serrata</i> (Spreng.) R.M.King & H.Rob.	Subshrub	CR	OUPR 18489
<i>Guayania yaviana</i> (Lasser & Maguire) R.M.King & H.Rob.	Shrub	CR	OUPR 18551
<i>Heterocondylus alatus</i> (Vell.) R.M.King & H.Rob.	Shrub	AA,CR	RB 486729
<i>Heterocondylus amphidictyus</i> (DC.) R.M.King & H.Rob.	Subshrub	CR	OUPR 1337
<i>Heterocondylus pumilus</i> (Gardner) R.M.King & H.Rob.	Subshrub	CR	RB 277730
<i>Hololepis pedunculata</i> (DC. ex Pers.) DC. <b>VU*</b>	Shrub	CR	OUPR 1389
<i>Hoehnephytum trixoides</i> (Gardner) Cabrera <b>VU*</b>	Subshrub	CR	RB 324847
<i>Hypochaeris chillensis</i> (Kunth) Hieron.	Herb	AA,CR	OUPR 14940
<i>Hypochaeris gardneri</i> Baker	Herb	CR	VIC 21875
<i>Inulopsis scaposa</i> (DC.) O.Hoffm. <b>EN*</b>	Herb	CR	OUPR 8353
<i>Jaegeria hirta</i> (Lag.) Less.	Herb	AA,CR	VIC 26495
<i>Koanophyllon adamantium</i> (Gardner) R.M. King & H. Rob. <b>EN*</b>	Subshrub	CR	OUPR 14308

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Koanophyllon consanguineum</i> (DC.) R.M.King & H.Rob.	Subshrub	CR	OUPR 14464
<i>Koanophyllon thysanolepis</i> (B.L.Rob.) R.M.King & H.Rob.	Shrub	CR	RB 163210
<i>Lepidaploa araripensis</i> (Gardner) H.Rob.	Liana	CR	OUPR 20101
<i>Lepidaploa argyrotiricha</i> (Sch.Bip. ex Baker) H.Rob.	Subshrub	CR	HUFU 54025
<i>Lepidaploa cotoneaster</i> (Willd. ex Spreng.) H.Rob.	Liana	F	OUPR 19247
<i>Lepidaploa helophila</i> (Mart. ex DC.) H.Rob.	Shrub	CR	VIC 21934
<i>Lepidaploa lilacina</i> (Mart. ex DC.) H.Rob. <b>VU*</b> (= <i>Vernonia adamantium</i> Gardner)	Subshrub	CR	OUPR 19432
<i>Lepidaploa muricata</i> (DC.) H.Rob.	Subshrub	CR	VIC 21917
<i>Lepidaploa persericea</i> (H.Rob.) H.Rob.	Subshrub	CR	VIC 21916
<i>Lepidaploa remotiflora</i> (Rich.) H.Rob.	Shrub	CR	OUPR 24656
<i>Lepidaploa rufogrisea</i> (A. St.-Hil.) H.Rob.	Subshrub	CR,F	RB 275396
<i>Lepidaploa salzmannii</i> (DC.) H.Rob.	Subshrub	CR	OUPR 2920
<i>Lepidaploa sororia</i> (DC.) H.Rob.	Subshrub	CR	RB 56519
<i>Lepidaploa vauthieriana</i> (DC.) H.Rob.	Subshrub	CR	OUPR 14559
<i>Leptostelma maximum</i> D.Don	Subshrub	CR	OUPR 1336
<i>Lessingianthus brevipetiolatus</i> (Sch.Bip. ex Baker) H.Rob.	Shrub	CR,F	HUFU 54037
<i>Lessingianthus linearifolius</i> (Less.) H.Rob.	Subshrub	CR	OUPR 4131
<i>Lessingianthus obscurus</i> (Less.) H.Rob.	Shrub	CR	OUPR 20146
<i>Lessingianthus psilophyllus</i> (DC.) H.Rob.	Subshrub	CR	RB 324843
<i>Lessingianthus rubricaulis</i> (Humb. & Bonpl.) H.Rob.	Subshrub	CR	HUFU 61540
<i>Lessingianthus syncephalus</i> (Sch.Bip. ex Baker) H.Rob.	Subshrub	CR	OUPR 1339
<i>Lessingianthus tomentellus</i> (Mart. ex DC.) H.Rob.	Subshrub	CR	OUPR 1335
<i>Lessingianthus vepretorum</i> (Mart. ex DC.) H.Rob.	Subshrub	CR	RB 490166
<i>Lessingianthus virgulatus</i> (Mart. ex DC.) H.Rob.	Subshrub	CR	OUPR 2932
<i>Lucilia linearifolia</i> Baker	Subshrub	CR	VIC 22005
<i>Lucilia lycopodioides</i> (Less.) S.E.Freire	Subshrub	CR	OUPR 1507
<i>Lychnophora ericoides</i> Mart. <b>VU*, NT**</b>	Shrub	CR	OUPR 13498
<i>Lychnophora passerina</i> (Mart. ex DC.) Gardner <b>VU*</b>	Shrub	CR	BHCB 318
<i>Lychnophora pinaster</i> Mart. <b>VU*, NT**</b>	Shrub	CR	OUPR 9057
<i>Lychnophora reticulata</i> Gardner <b>EN**</b>	Shrub	CR	HUFU 54028
<i>Melampodium divaricatum</i> (Rich. ex Pers.) DC	Subshrub	CR	VIC 26494
<i>Mikania acuminata</i> DC.	Liana	F	BHCB 54647
<i>Mikania argyreiae</i> DC. <b>VU*, **</b>	Liana	CR	OUPR 24668
<i>Mikania badiniana</i> G.S.S. Almeida & Carvalho-Okano	Subshrub	CR	VIC 29114
<i>Mikania banisteriae</i> DC.	Liana	CR	OUPR 5941
<i>Mikania candolleana</i> Gardner	Liana	CR	OUPR 24669
<i>Mikania capricorni</i> B.L. Rob.	Liana	F	OUPR 1332
<i>Mikania clematidifolia</i> Dusén <b>VU**</b>	Shrub	F	VIC 27606
<i>Mikania duckei</i> G.M. Barroso	Liana	CR	OUPR 14646
<i>Mikania glauca</i> Mart. ex Baker <b>EN*, **</b>	Subshrub	CR	BHCB 41476
<i>Mikania hemisphaerica</i> Sch.Bip. ex Baker	Liana	CR	HUFU 39918
<i>Mikania hirsutissima</i> DC.	Liana	CR	RB 98143
<i>Mikania lasiandrae</i> DC.	Liana	CR,F	BHCB 41501
<i>Mikania lindbergii</i> Baker	Liana	CR	OUPR 14706
<i>Mikania microcephala</i> DC.	Liana	CR	VIC 28777
<i>Mikania microdonta</i> DC.	Liana	CR	RB 324845
<i>Mikania microphylla</i> Sch.Bip.	Subshrub	CR	BHCB 56217
<i>Mikania microptera</i> DC.	Liana	F	OUPR 15006
<i>Mikania nummularia</i> DC.	Subshrub	CR	OUPR 16755
<i>Mikania oblongifolia</i> DC.	Subshrub	CR	OUPR 14758
<i>Mikania obtusata</i> DC.	Subshrub	CR	RB 162942
<i>Mikania officinalis</i> Mart.	Subshrub	CR	VIC 28764
<i>Mikania parviflora</i> (Aubl.) H.Karst.	Liana	F	OUPR 14618
<i>Mikania parvifolia</i> Baker	Subshrub	CR	BHCB 50618
<i>Mikania phaeocladus</i> Mart.	Liana	CR	VIC 28754
<i>Mikania premnifolia</i> Gardner <b>VU*, EN**</b>	Subshrub	CR	OUPR 14768
<i>Mikania psilostachya</i> DC.	Liana	F	VIC 8250



Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Mikania ramosissima</i> Gardner	Shrub	CR	OUPR 15002
<i>Mikania reticulata</i> Gardner	Shrub	CR	BHCB 161990
<i>Mikania scandens</i> (L.) Willd.	Liana	F	OUPR 15006
<i>Mikania schenckii</i> Hieron.	Liana	CR	VIC 28752
<i>Mikania selloi</i> Spreng.	Liana	F	OUPR 15015
<i>Mikania sericea</i> Hook. & Arn.	Liana	F	VIC 28750
<i>Mikania sessilifolia</i> DC.	Subshrub	CR	BHCB 54693
<i>Mikania subverticillata</i> Baker	Subshrub	CR	OUPR 14809
<i>Mikania ternata</i> (Vell.) B.L.Rob.	Liana	F	BHCB 8210
<i>Mikania testudinaria</i> DC.	Liana	F	BHCB 152825
<i>Mikania trinervis</i> Hook. & Arn.	Liana	F	BHCB 54658
<i>Mikania vauthieriana</i> Baker	Liana	F	BHCB 152826
<i>Mikania vismifolia</i> DC.	Liana	CR	OUPR 15046
<i>Mikania warmingii</i> Sch.Bip. ex Baker <b>EN*</b>	Shrub	CR	VIC 29120
<i>Mikania</i> sp1	Shrub	CR	OUPR 1879
<i>Mikania</i> sp2	Liana	F	OUPR 16754
<i>Mikania</i> sp3	Subshrub	CR	OUPR 7281
<i>Mikania</i> sp4	Subshrub	CR	OUPR 15604
<i>Mikania</i> sp5	Subshrub	CR	OUPR 16600
<i>Moquinia racemosa</i> (Spreng.) DC.	Shrub	CR	RB 324853
<i>Moquiniastrum densicephalum</i> (Cabrera) G.Sancho	Subshrub	CR	HUFU 54032
<i>Moquiniastrum floribundum</i> (Cabrera) G.Sancho	Shrub	CR	RB 162938
<i>Moquiniastrum paniculatum</i> (Less.) G.Sancho	Shrub	CR	OUPR 14886
<i>Moquiniastrum polymorphum</i> (Less.) G.Sancho	Shrub	F	HUFU 54040
<i>Moquiniastrum pulchrum</i> (Cabrera) G.Sancho	Shrub	CR	VIC 21818
<i>Mutisia campanulata</i> Less.	Liana	CR	OUPR 1208
<i>Mutisia speciosa</i> Aiton ex Hook.	Shrub	CR	VIC 21817
<i>Ophryosporus freyreysii</i> (Thunb.) Baker	Subshrub	CR	RB 145118
<i>Orthopappus angustifolius</i> (Sw.) Gleason	Subshrub	CR	HUFU 54018
<i>Pentacalia desiderabilis</i> (Vell.) Cuatrec.	Liana	F	OUPR 16117
<i>Piptocarpha axillaris</i> (Less.) Baker	Tree	F	HUFU 54024
<i>Piptocarpha macropoda</i> (DC.) Baker	Tree	F	OUPR 19150
<i>Piptocarpha oblonga</i> (Gardner) Baker	Shrub	F	OUPR 16027
<i>Piptocarpha regnellii</i> (Sch.Bip.) Cabrera	Tree	F	OUPR 16039
<i>Piptocarpha tomentosa</i> Baker	Tree	F	OUPR 5771
<i>Piptocarpha</i> sp	Tree	F	OUPR 1206
<i>Piptolepis ericoides</i> Sch. Bip. <b>VU*</b>	Subshrub	CR,F	OUPR 6815
<i>Piptolepis</i> sp	Subshrub	CR	OUPR 1457
<i>Pluchea oblongifolia</i> DC.	Subshrub	CR	RB 163287
<i>Pluchea sagittalis</i> (Lam.) Cabrera	Subshrub	AA,CR	OUPR 16061
<i>Porophyllum ruderale</i> (Jacq.) Cass.	Subshrub	AA,CR	VIC 26523
<i>Praxelis kleinoides</i> (Kunth) Sch. Bip.	Subshrub	CR	RB 486724
<i>Praxelis pauciflora</i> (Kunth) R.M.King & H.Rob.	Subshrub	CR	VIC 27577
<i>Pseudobrickellia brasiliensis</i> (Spreng.) R.M.King & H.Rob.	Subshrub	CR	OUPR 5095
<i>Pseudognaphalium cheiranthifolium</i> (Lam.) Hilliard & Burt	Subshrub	CR	RB 490164
<i>Pterocaulon alopecuroides</i> (Lam.) DC.	Subshrub	AA,CR	OUPR 15097
<i>Pterocaulon balansae</i> Chodat	Subshrub	CR	VIC 22023
<i>Pterocaulon rugosum</i> (Vahl) Malme	Subshrub	CR	VIC 22021
<i>Pterocaulon</i> sp	Subshrub	CR	OUPR 23275
<i>Raulinoreitzia crenulata</i> (Spreng.) R.M.King & H.Rob.	Shrub	CR	OUPR 14447
<i>Richterago campestris</i> Roque & J.N. Nakaj. <b>EN*</b>	Herb	CR	VIC 21866
<i>Richterago discoidea</i> (Less.) Kuntze	Subshrub	CR	OUPR 14903
<i>Richterago hatschbachii</i> (Zardini) Roque <b>EN*</b>	Herb	CR	OUPR 23296
<i>Richterago petiolata</i> Roque & J.N.Nakaj. <b>EN*</b>	Herb	CR	VIC 21862
<i>Richterago polymorpha</i> (Less.) Roque	Herb	CR	HUFU 54033
<i>Richterago radiata</i> (Vell.) Roque	Herb	CR	OUPR 1453
<i>Richterago</i> sp	Herb	CR	OUPR 3143
<i>Senecio adamantinus</i> Bong.	Subshrub	CR	OUPR 20458

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Senecio brasiliensis</i> (Spreng.) Less.	Shrub	CR	OUPR 21503
<i>Senecio colpodes</i> Bong.	Subshrub	CR	RB 490410
<i>Senecio pohlii</i> Sch.Bip. ex Baker <b>VU*</b>	Subshrub	CR	BHCB118650
<i>Sonchus asper</i> (L.) Hill	Herb	AA	VIC 21873
<i>Sonchus oleraceus</i> L.	Herb	AA	VIC 21871
<i>Sphagneticola trilobata</i> (L.) Pruski	Subshrub	CR	OUPR 21504
<i>Stenocephalum megapotamicum</i> (Spreng.) Sch.Bip.	Subshrub	CR	RB 56531
<i>Stenocline chionaea</i> (ex de Candolle) DC.	Shrub	CR	OUPR 16188
<i>Stenophalium chionaeum</i> (DC.) Anderb.	Subshrub	CR	RB 487378
<i>Stenophalium gardneri</i> (Baker) D.J.N.Hind	Subshrub	CR	BHCB125649
<i>Stevia alexii</i> G.S.S.Almeida & Carvalho-Okano	Subshrub	CR	VIC 29113
<i>Stevia camporum</i> Baker	Subshrub	CR	VIC 29116
<i>Stevia clausenii</i> Sch.Bip. ex Baker	Subshrub	CR	OUPR 1374
<i>Stevia hilarii</i> B.L.Rob. <b>VU*,CR**</b>	Subshrub	CR	VIC 29111
<i>Stevia myriadenia</i> Sch.Bip. ex Baker	Subshrub	CR	VIC 29110
<i>Stevia resinosa</i> Gardner	Subshrub	CR	RB 98089
<i>Stevia urticaefolia</i> Thunb.	Subshrub	CR	OUPR 24672
<i>Symphiopappus angustifolius</i> Cabrera	Shrub	CR	RB 110427
<i>Symphiopappus compressus</i> (Gardner) B.L.Rob.	Shrub	CR	OUPR 1481
<i>Symphiopappus cuneatus</i> (DC.) Sch.Bip. ex Baker	Shrub	CR	BHCB 137583
<i>Symphiopappus itatiayensis</i> (Hieron.) R.M.King & H.Rob.	Shrub	CR	VIC 28810
<i>Symphiopappus reticulatus</i> Baker	Shrub	CR	OUPR 1480
<i>Symphyotrichum regnellii</i> (Baker) G.L.Nesom	Subshrub	CR	VIC 22231
<i>Symphyotrichum squamatum</i> (Spreng.) G.L.Nesom	Subshrub	CR	RB 486586
<i>Tagetes minuta</i> L.	Subshrub	CR	OUPR 12812
<i>Trichogonia eupatorioides</i> (Gardner) R.M.King & H.Rob. <b>EX*</b>	Subshrub	CR	OUPR 17246
<i>Trichogonia hirtiflora</i> (DC.) Sch. Bip. ex Baker	Shrub	CR	OUPR 17207
<i>Trichogonia salviifolia</i> Gardner	Subshrub	CR	OUPR 1344
<i>Trichogonia villosa</i> (Spreng.) Sch.Bip. ex Baker	Subshrub	CR	OUPR 1345
<i>Trixis antimenorrhoea</i> (Schränk) Kuntze	Shrub	CR	OUPR 18367
<i>Trixis glaziovii</i> Baker <b>VU**</b>	Subshrub	CR	HUFU 54041
<i>Trixis lessingii</i> DC.	Subshrub	CR	OUPR 7386
<i>Trixis nobilis</i> (Vell.) Katinas	Subshrub	CR	OUPR 1456
<i>Trixis verbascifolia</i> (Gardner) Blake	Subshrub	CR	OUPR 15255
<i>Trixis</i> sp	Subshrub	CR	OUPR 1455
<i>Verbesina glabrata</i> Hook & Arn.	Shrub	CR	OUPR 1451
<i>Verbesina luetzelburgii</i> Mattf.	Shrub	CR	VIC 26488
<i>Vernonanthura discolor</i> (Spreng.) H.Rob.	Tree	F	OUPR 7430
<i>Vernonanthura lindbergii</i> (Baker) H. Rob.	Subshrub	CR	OUPR 20099
<i>Vernonanthura montevidensis</i> (Spreng.) H.Rob.	Subshrub	CR	OUPR 19249
<i>Vernonanthura mucronulata</i> (Less.) H.Rob.	Subshrub	CR	VIC 21919
<i>Vernonanthura phosphorica</i> (Vell.) H.Rob.	Shrub	CR	BHCB41489
<i>Vernonanthura viscidula</i> (Less.) H.Rob.	Shrub	CR	OUPR 2932
<i>Vernonanthura westiniana</i> (Less.) H.Rob.	Shrub	CR	OUPR 2948
<i>Vittetia orbiculata</i> (DC.) R.M.King & H.Rob.	Subshrub	CR	BHCB118661
<i>Willoughbya acuminata</i> (DC.) Kuntze	Liana	F	OUPR 14619
<i>Willoughbya candolleana</i> (Gardner) Kuntze	Liana	CR	OUPR 14608
<i>Willoughbya estrellensis</i> (Baker) Kuntze	Liana	CR	OUPR 14644
<i>Willoughbya glauca</i> (Mart.) Kuntze	Subshrub	CR	OUPR 1333
<i>Willoughbya lasiandra</i> (DC.) Kuntze	Liana	CR	OUPR 1334
<i>Willoughbya leiolaena</i> DC.	Subshrub	CR	RB 362360
<i>Willoughbya microdonta</i> (DC.) Kuntze	Liana	CR	RB 324845
<i>Willoughbya oblongifolia</i> (DC.) Kuntze	Shrub	CR	RB 163216
<i>Willoughbya obtusata</i> (DC.) Kuntze	Subshrub	CR	OUPR 15610
<i>Willoughbya ramosissima</i> (Gardner) Kuntze	Liana	F	OUPR 3142
<i>Willoughbya selloi</i> (Spreng.) Kuntze	Liana	F	OUPR 15015
<i>Willoughbya sessilifolia</i> (DC.) Kuntze	Shrub	CR	OUPR 14793
<i>Willoughbya subverticillata</i> (Sch. Bip. ex Baker) Kuntze	Subshrub	CR	OUPR 14809

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Willoughbya vismiifolia</i> (DC.) Kuntze	Liana	CR	OUPR 15046
<b>Balanophoraceae</b>			
<i>Langsdorffia hypogaea</i> Mart.	Herb	F	OUPR 987
<b>Balsaminaceae</b>			
<i>Impatiens balsamina</i> L.	Subshrub	AA	OUPR 19303
<b>Begoniaceae</b>			
<i>Begonia cucullata</i> Willd.	Subshrub	CR	NY 877944
<i>Begonia rufa</i> Thunb.	Subshrub	CR	OUPR 9090
<i>Begonia valdensium</i> A.DC.	Subshrub	CR	RB 47524
<b>Bignoniaceae</b>			
<i>Adenocalymma bracteatum</i> (Cham.) DC.	Liana	F	VIC 30460
<i>Adenocalymma cymbalum</i> (Cham.) Bureau & K.Schum.	Liana	F	VIC 30459
<i>Adenocalymma magnoalatum</i> Scud. <b>EN*</b> , <b>CR**</b>	Liana	F	VIC 30454
<i>Adenocalymma marginatum</i> (Cham.) DC.	Liana	F	VIC 30451
<i>Adenocalymma subsessilifolium</i> DC.	Liana	F	VIC 30448
<i>Adenocalymma ternatum</i> (Vell.) Mello ex Bureau & K.Schum.	Shrub	F	OUPR 1429
<i>Adenocalymma</i> sp	Liana	CR	OUPR 1141
<i>Amphilophium crucigerum</i> (L.) L.G.Lohmann	Liana	F	VIC 29400
<i>Amphilophium elongatum</i> (Vahl) L.G.Lohmann	Liana	F	VIC 30376
<i>Amphilophium paniculatum</i> (L.) Kunth	Liana	F	VIC 30447
<i>Anemopaegma arvense</i> (Vell.) Stelfeld ex de Souza <b>EN**</b>	Subshrub	CR	VIC 30445
<i>Anemopaegma chamberlaynii</i> (Sims) Bureau & K. Schum.	Liana	F	OUPR 1034
<i>Anemopaegma floridum</i> Mart. ex DC.	Liana	F	VIC 30442
<i>Anemopaegma prostratum</i> DC.	Liana	CR	OUPR 7513
<i>Anemopaegma setilobum</i> A.H.Gentry	Shrub	CR	VIC 30424
<i>Bignonia binata</i> Thunb.	Liana	F	VIC 21770
<i>Bignonia costata</i> (Bureau & K.Schum.) L.G.Lohmann	Liana	F	VIC 30384
<i>Bignonia prieurii</i> DC.	Liana	F	VIC 29404
<i>Callichlamys latifolia</i> (Rich.) K.Schum.	Liana	F	VIC 30393
<i>Cuspidaria floribunda</i> (DC.) A.H.Gentry	Liana	F	VIC 30380
<i>Cybistax antisiphilitica</i> (Mart.) Mart.	Tree	F	VIC 30378
<i>Dolichandra quadrivalvis</i> (Jacq.) L.G.Lohmann	Liana	F	VIC 29405
<i>Dolichandra unguiculata</i> (Vell.) L.G.Lohmann	Liana	F	VIC 29402
<i>Dolichandra unguis-cati</i> (L.) L.G.Lohmann	Liana	F	VIC 29411
<i>Fridericia candicans</i> (Rich.) L.G.Lohmann	Liana	F	VIC 30417
<i>Fridericia florida</i> (DC.) L.G.Lohmann	Liana	F	VIC 30415
<i>Fridericia formosa</i> (Bureau) L.G.Lohmann	Liana	F	VIC 30410
<i>Fridericia platyphylla</i> (Cham.) L.G.Lohmann	SubShrub	CR	VIC 30418
<i>Fridericia pubescens</i> (L.) L.G.Lohmann	Liana	F	VIC 30408
<i>Fridericia rego</i> (Vell.) L.G.Lohmann	Liana	F	VIC 30401
<i>Fridericia samydoides</i> (Cham.) L.G.Lohmann	Liana	CR,F	OUPR 1297
<i>Fridericia speciosa</i> Mart.	Liana	CR	OUPR 1329
<i>Fridericia triplinervia</i> (Mart. ex DC.) L.G.Lohmann	Liana	F	VIC 30398
<i>Fridericia tynanthoides</i> (A.H.Gentry) L.G.Lohmann	Liana	F	VIC 30395
<i>Handroanthus albus</i> (Cham.) Mattos <b>VU*</b>	Tree	F	OUPR 19280
<i>Handroanthus bureavii</i> (Sandwith) S.Grose	Tree	CR,F	VIC 29442
<i>Handroanthus chrysotrichus</i> (Mart. ex DC.) Mattos	Tree	F	VIC 29435
<i>Handroanthus vellosi</i> (Toledo) Mattos	Tree	F	VIC 29431
<i>Jacaranda macrantha</i> Cham.	Tree	F	VIC 29248
<i>Jacaranda mimosifolia</i> D.Don	Tree	F	OUPR 8202
<i>Jacaranda montana</i> Morawetz	Tree	F	VIC 29427
<i>Jacaranda puberula</i> Cham.	Tree	F	VIC 29425
<i>Lundia cordata</i> (Vell.) DC.	Liana	F	VIC 29424
<i>Lundia corymbifera</i> (Vahl) Sandwith	Liana	F	VIC 29416
<i>Manaosella cordifolia</i> (DC.) A.H.Gentry	Liana	F	VIC 29409
<i>Pleonotoma stichadenia</i> K.Schum.	Liana	F	VIC 29399
<i>Pleonotoma tetraquetra</i> (Cham.) Bureau	Liana	F	VIC 29398
<i>Pyrostegia venusta</i> (Ker Gawl.) Miers	Liana	CR,F	OUPR 1134

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Sparattosperma leucanthum</i> (Vell.) K. Schum.	Tree	F	OUPR 20259
<i>Stizophyllum</i> aff. <i>inaequilaterum</i> Bureau & K.Schum.	Liana	F	VIC 29392
<i>Stizophyllum perforatum</i> (Cham.) Miers	Liana	F	VIC 29391
<i>Stizophyllum riparium</i> (Kunth) Sandwith	Liana	F	VIC 29280
<i>Tabebuia heterophylla</i> (DC.) Britton	Liana	F	VIC 29390
<i>Tabebuia nodosa</i> (Griseb.) Griseb.	Tree	F	OUPR 20259
<i>Tecoma stans</i> (L.) Juss. ex Kunth	Shrub	AA	OUPR 19374
<i>Tynanthus fasciculatus</i> (Vell.) Miers	Liana	F	VIC 29388
<i>Xylophragma myrianthum</i> (Cham. ex Steud.) Sprague	Liana	F	VIC 29386
<i>Zeyheria montana</i> Mart.	Shrub	CR	VIC 29384
<b>Bixaceae</b>			
<i>Bixa orellana</i> L.	Shrub	F	OUPR 1361
<b>Boraginaceae</b>			
<i>Cordia curassavica</i> (Jacq.) Roem. & Schult.	Subshrub	CR	OUPR 3211
<i>Cordia sellowiana</i> Cham.	Tree	CR,F	OUPR 4812
<i>Heliotropium arborescens</i> L.	Shrub	AA	OUPR 1203
<b>Bromeliaceae</b>			
<i>Acanthostachys strobilacea</i> (Schult. & Schult.f.) Klotzsch	Epiphyte	CR	VIC 37212
<i>Aechmea bromeliifolia</i> (Rudge) Baker var. <i>bromeliifolia</i>	Herb	CR	VIC 21067
<i>Aechmea lamarchei</i> Mez	Epiphyte	F	VIC 21069
<i>Aechmea nudicaulis</i> var. <i>aureorosea</i> (Antoine) L.B.Sm.	Herb	CR	VIC 21070
<i>Aechmea</i> sp	Herb	CR	OUPR 13880
<i>Billbergia elegans</i> Mart. ex Schult. & Schult.f.	Herb	CR,F	OUPR 20235
<i>Billbergia minarum</i> L.B.Sm.	Herb	CR	RB 258593
<i>Billbergia vittata</i> Brongn.	Herb	CR	VIC 21090
<i>Cryptanthus schwackeanus</i> Mez.	Herb	CR	VIC 21098
<i>Dyckia bracteata</i> (Wittm.) Mez	Herb	CR	RB 112248
<i>Dyckia cinerea</i> Mez	Herb	CR	VIC 27818
<i>Dyckia saxatilis</i> Mez	Herb	CR	VIC 27806
<i>Dyckia schwackeana</i> Mez	Herb	CR	RB 275535
<i>Dyckia trichostachya</i> Baker	Herb	CR	RB 275531
<i>Neoregelia mucugensis</i> Leme	Herb	CR	VIC 21104
<i>Nidularium marigoii</i> Leme	Herb	CR	VIC 21107
<i>Pitcairnia flammea</i> Lindl. var. <i>flammea</i>	Herb	CR	VIC 27803
<i>Pseudananas sagenarius</i> (Arruda) Camargo	Herb	CR	VIC 21108
<i>Racinaea aerisincola</i> (Mez) M.A.Spencer & L.B.Sm.	Epiphyte	CR	VIC 23656
<i>Tillandsia pohliana</i> Mez	Epiphyte	F	OUPR 14301
<i>Tillandsia polystachia</i> (L.) L.	Epiphyte	CR	VIC (T.S. Coser <i>et al.</i> 24)
<i>Tillandsia stricta</i> Sol.	Epiphyte	F	VIC 27798
<i>Vriesea bituminosa</i> Wawra	Herb	CR	VIC 23657
<i>Vriesea clauseniana</i> (Baker) Mez VU*	Herb	CR	VIC 27793
<i>Vriesea hoehneana</i> L.B.Sm.	Herb	CR	VIC 27785
<i>Vriesea minarum</i> L.B.Sm. VU*, EN**	Herb	CR	VIC 36491
<i>Vriesea minor</i> (L.B.Sm.) Leme	Herb	CR	RB 112301
<i>Vriesea regnellii</i> Mez.	Herb	CR	VIC 26453
<i>Vriesea</i> sp1	Herb	CR	VIC 26457
<i>Vriesea</i> sp2	Herb	CR	VIC 26458
<b>Burmanniaceae</b>			
<i>Burmannia damazii</i> Beauverd EN*	Herb	CR	OUPR 13042
<i>Burmannia</i> sp	Herb	CR	OUPR 13471
<b>Burseraceae</b>			
<i>Protium brasiliense</i> (Spreng.) Engl.	Tree	F	OUPR 2452
<b>Cactaceae</b>			
<i>Hatiora salicornioides</i> (Haw.) Britton & Rose	Epiphyte	CR,F	OUPR 7431
<i>Rhipsalis floccosa</i> subsp. <i>pulvinigera</i> (Lindb.) Barthlott & N.P.Taylor	Herb	CR	OUPR 20568
<b>Campanulaceae</b>			
<i>Centropogon cornutus</i> (L.) Druce	Subshrub	CR	OUPR 1204
<i>Lobelia camporum</i> Pohl.	Subshrub	CR	OUPR 13425

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Lobelia thapsoidea</i> Schott	Subshrub	CR	RB 97999
<i>Siphocampylus nitidus</i> Pohl.	Subshrub	CR	OUPR 12800
<i>Siphocampylus verticillatus</i> (Cham.) G. Don	Subshrub	F	OUPR 1264
<i>Siphocampylus westinianus</i> (Thunb.) Pohl	Subshrub	CR	BHCB 8249
<i>Siphocampylus</i> sp1	Subshrub	CR	OUPR 5058
<i>Siphocampylus</i> sp2	Subshrub	F	OUPR 6825
<i>Siphocampylus</i> sp3	Subshrub	F	OUPR 6826
<b>Cannabaceae</b>			
<i>Trema micrantha</i> (L.) Blume	Tree	F	OUPR 20241
<b>Caprifoliaceae</b>			
<i>Lonicera japonica</i> Thunb.	Shrub	AA	OUPR 19304
<i>Valeriana organensis</i> Gardner <b>CR**</b>	Liana	F	OUPR 1798
<i>Valeriana scandens</i> L.	Liana	F	OUPR 24838
<b>Celastraceae</b>			
<i>Maytenus longifolia</i> Reissek ex Loes	Shrub	F	RB 398994
<i>Maytenus salicifolia</i> Reissek	Subshrub	F	OUPR 18916
<i>Peritassa campestris</i> (Cambess.) A.C.Sm.	Subshrub	F	BHCB 41525
<b>Chloranthaceae</b>			
<i>Hedyosmum brasiliense</i> Mart. ex Miq.	Shrub	CR,F	OUPR 1441
<b>Chrysobalanaceae</b>			
<i>Couepia grandiflora</i> (Mart. & Zucc.) Benth.	Shrub	F	OUPR 1431
<i>Hirtella floribunda</i> Cham. & Schltdl.	Liana	CR	OUPR 20274
<i>Licania humilis</i> Cham. & Schltdl.	Shrub	F	OUPR 22222
<b>Clethraceae</b>			
<i>Clethra scabra</i> Pers.	Tree	CR,F	OUPR 1275
<b>Clusiaceae</b>			
<i>Clusia arrudea</i> Planch. & Triana	Shrub	CR	NY 1022677
<i>Clusia fluminensis</i> Planch. & Triana	Shrub	CR	OUPR 1360
<i>Clusia spathulifolia</i> Engl.	Shrub	CR,F	OUPR 20150
<b>Commelinaceae</b>			
<i>Commelina diffusa</i> Burm.f.	Herb	CR	MO 3020454
<i>Commelina</i> sp	Herb	CR	OUPR 17721
<i>Dichorisandra pubescens</i> Mart. ex Schult & Schult.f.	Herb	CR,F	OUPR 27241
<i>Dichorisandra thyrsoiflora</i> J.C.Mikan	Subshrub	CR	OUPR 22794
<i>Dichorisandra</i> sp	Herb	CR	OUPR 16390
<i>Gibasis geniculate</i> (Jacq.) Rohweder	Herb	CR	OUPR 1414
<i>Tripogandra diuretica</i> (Mart.) Handlos	Herb	CR	OUPR 9063
<i>Tripogandra serrulata</i> (Vahl) Handlos	Herb	F	OUPR 1413
<b>Convolvulaceae</b>			
<i>Ipomoea cairica</i> (L.) Sweet	Liana	CR	OUPR 19301
<i>Ipomoea delphinioides</i> Choisy	Liana	CR,F	OUPR 1210
<i>Ipomoea indica</i> (Burm.f.) Merr.	Liana	AA,F	BHCB 41509
<i>Ipomoea purpurea</i> (L.) Roth	Liana	CR,F	OUPR 1370
<i>Jacquemontia densiflora</i> (Meisn.) Hallier f.	Liana	F	OUPR 8250
<i>Jacquemontia ferruginea</i> Choisy	Liana	F	HRCB 41557
<i>Jacquemontia prostrata</i> Choisy	Liana	CR	OUPR 3022
<i>Jacquemontia rufa</i> (Choisy) Hallier f.	Liana	CR	BHCB 41512
<i>Merremia contorquens</i> (Choisy) Hallier f.	Liana	F	BHCB 41520
<i>Merremia macrocalyx</i> (Ruiz & Pav.) O'Donell	Liana	CR,F	OUPR 1406
<i>Merremia repens</i> D.F.Austin <b>EN**</b>	Liana	F	NY 1014441
<i>Merremia</i> sp	Liana	F	OUPR 1465
<i>Turbina corymbosa</i> (L.) Raf.	Liana	F	OUPR 7746
<b>Cucurbitaceae</b>			
<i>Cayaponia</i> sp	Liana	CR	OUPR 5378
<i>Melothrianthus smilacifolius</i> (Cogn.) M.Crov.	Liana	F	OUPR 9973
<b>Cunoniaceae</b>			
<i>Lamanonia cuneata</i> (Cambess.) Kuntze	Tree	F	OUPR 1397
<i>Lamanonia ternata</i> Vell.	Tree	F	OUPR 4807



Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Weinmannia paulliniifolia</i> Pohl ex Ser.	Subshrub	CR	BHCB 460
<i>Weinmannia pinnata</i> L.	Subshrub	CR	OUPR 1396
<b>Cyperaceae</b>			
<i>Ascolepis brasiliensis</i> (Kunth) Benth. ex C.B.Clarke	Herb	F	OUPR 1411
<i>Bulbostylis capillaris</i> (L.) C.B.Clarke	Herb	CR,F	OUPR 12582
<i>Bulbostylis consanguinea</i> (Kunth) C.B.Clarke	Herb	CR	NY 916633
<i>Bulbostylis hirtella</i> (Schrud.) Urb.	Herb	CR	NY 916717
<i>Bulbostylis junciformis</i> (Kunth) C.B.Clarke	Herb	CR	OUPR 1502
<i>Bulbostylis juncooides</i> (Vahl) Kük.	Herb	CR	NY 916717
<i>Bulbostylis paradoxa</i> (Spreng.) Lindm.	Herb	CR	OUPR 12505
<i>Bulbostylis sphaerocephala</i> (Boeckeler) C.B.Clarke	Herb	CR	MO 2941369
<i>Bulbostylis vestita</i> (Kunth) C.B.Clarke	Herb	CR	NY918765
<i>Cryptangium clausenii</i> C.B.Clarke	Herb	CR	OUPR 13058
<i>Cryptangium junciforme</i> (Kunth) Boeckeler	Herb	CR	OUPR 13071
<i>Cryptangium minarum</i> (Nees) Boeckeler	Herb	CR	OUPR 13072
<i>Cyperus aggregatus</i> (Willd.) Endl.	Herb	CR	NY 918974
<i>Cyperus gardneri</i> Nees	Herb	CR	NY 919012
<i>Cyperus haspan</i> L.	Herb	CR	NY 919056
<i>Cyperus odoratus</i> L.	Herb	CR	OUPR 15239
<i>Cyperus pohlii</i> (Nees) Steud.	Herb	CR	OUPR 15945
<i>Cyperus rotundus</i> L.	Herb	CR	OUPR 15240
<i>Cyperus simplex</i> Kunth	Herb	CR	BHCB 483
<i>Cyperus</i> sp	Herb	CR	OUPR 17495
<i>Eleocharis debilis</i> Kunth	Herb	CR	NY 925594
<i>Eleocharis filiculmis</i> Kunth	Herb	CR	NY 925630
<i>Eleocharis sellowiana</i> Kunth	Herb	CR	NY 925702
<i>Fimbristylis complanata</i> (Retz.) Link	Herb	CR	NY 925764
<i>Fimbristylis dichotoma</i> (L.) Vahl	Herb	CR	UB 163367
<i>Kyllinga brevifolia</i> Rottb.	Herb	CR	NY 926309
<i>Lagenocarpus rigidus</i> Nees	Herb	CR	OUPR 7294
<i>Lipocarpha micrantha</i> (Vahl) G.C.Tucker	Herb	CR	OUPR 1502
<i>Pycnus lanceolatus</i> (Poir.) C.B.Clarke	Herb	CR	NY 1112699
<i>Rhynchospora albobracteata</i> A.C.Araújo	Herb	CR	OUPR 15953
<i>Rhynchospora brasiliensis</i> Boeckeler	Herb	CR	OUPR 17499
<i>Rhynchospora ciliata</i> Kük.	Herb	CR	OUPR 12463
<i>Rhynchospora consanguinea</i> (Kunth) Boeckeler	Herb	CR	RB 287166
<i>Rhynchospora corymbosa</i> (L.) Britton	Herb	CR	OUPR 16609
<i>Rhynchospora cryptantha</i> C.B.Clarke	Herb	CR	OUPR 13059
<i>Rhynchospora emaciata</i> (Nees) Boeckeler	Herb	CR	NY 938535
<i>Rhynchospora polyphylla</i> (Vahl) Vahl	Herb	CR	OUPR 15953
<i>Rhynchospora rugosa</i> subsp. <i>brownii</i> (Roem. & Schult.) T.Koyama	Herb	CR	OUPR 17703
<i>Rhynchospora speciosa</i> (Kunth) Boeckeler	Herb	CR	OUPR 17736
<i>Rhynchospora tenuis</i> Link	Herb	CR	OUPR 15963
<i>Rhynchospora</i> sp1	Herb	CR	OUPR 10019
<i>Rhynchospora</i> sp2	Herb	CR	OUPR 17736
<i>Rhynchospora</i> sp3	Herb	CR	OUPR 11503
<i>Rhynchospora</i> sp4	Herb	CR	OUPR 23279
<i>Scleria</i> sp	Herb	CR	OUPR 22769
<b>Dilleniaceae</b>			
<i>Davilla angustifolia</i> A. St.-Hil.	Liana	CR	OUPR 1331
<i>Davilla rugosa</i> Poir	Liana	F	OUPR 1318
<b>Dioscoreaceae</b>			
<i>Dioscorea debilis</i> Uline ex R.Knuth	Liana	CR	BHCB 8232
<i>Dioscorea demourae</i> Uline ex R.Knuth	Liana	F	OUPR 1824
<i>Dioscorea grisebachii</i> Kunth	Liana	F	RB 324861
<i>Dioscorea monadelpha</i> (Kunth) Griseb.	Liana	CR	OUPR 1824
<i>Dioscorea ovata</i> Vell.	Liana	CR	OUPR 13382A
<i>Dioscorea piperifolia</i> Humb. & Bonpl. ex Willd.	Liana	CR	OUPR 13382B

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Dioscorea schwakei</i> Uline ex Knuth	Liana	CR	RB 61004
<b>Droseraceae</b>			
<i>Drosera communis</i> A.St.-Hil.	Herb	CR	OUPR 9071
<i>Drosera latifolia</i> (Eichler) Gonella & Rivadavia	Herb	CR	NY 918650
<i>Drosera montana</i> A.St.-Hil.	Herb	CR	OUPR 12788
<i>Drosera villosa</i> A.St.-Hil.	Herb	CR	RB 116710
<b>Ebenaceae</b>			
<i>Diospyros kaki</i> Thunb.	Tree	AA	OUPR 22827
<i>Diospyros</i> sp	Shrub	F	OUPR 9067
<b>Elaeocarpaceae</b>			
<i>Sloanea hirsuta</i> (Schott) Planch. ex Benth.	Tree	F	OUPR 18921
<b>Ericaceae</b>			
<i>Agarista coriifolia</i> var. <i>bradei</i> (Sleumer) Judd	Subshrub	CR	RB 182938
<i>Agarista oleifolia</i> (Cham.) G.Don	Shrub	F	OUPR 6807
<i>Agarista pulchella</i> Cham. ex G.Don	Tree	F	OUPR 19288
<i>Agarista pulchella</i> var. <i>cordifolia</i> (Meisn.) Judd	Shrub	CR	OUPR 4581
<i>Gaultheria eriophylla</i> (Pers.) Sleumer ex Burt	Subshrub	CR	OUPR 12793
<i>Gaylussacia chamissonis</i> Meisn.	Shrub	CR	OUPR 8247
<i>Gaylussacia decipiens</i> Cham.	Subshrub	CR	OUPR 13626
<i>Gaylussacia densa</i> Cham.	Subshrub	CR	OUPR 6026
<i>Gaylussacia gardneri</i> Meisn.	Shrub	CR	NY 943288
<i>Gaylussacia incana</i> Cham.	Subshrub	CR	OUPR 6025
<i>Gaylussacia pallida</i> Cham.	Subshrub	CR	RB 139389
<i>Gaylussacia pinifolia</i> Cham. & Schltld.	Shrub	CR	OUPR 4183
<i>Gaylussacia pseudogaultheria</i> Cham. & Schltld.	Subshrub	CR	BHCB 162557
<i>Gaylussacia reticulata</i> Mart. ex Meisn.	Shrub	CR,F	OUPR 1294
<i>Gaylussacia rugosa</i> Cham. & Schltld.	Shrub	CR	OUPR 6817
<i>Gaylussacia salicifolia</i> Sleumer	Shrub	CR	OUPR 12789
<i>Leucothoe ambigua</i> Mart.	Shrub	CR	OUPR 7286
<i>Leucothoe laxiflora</i> Meiss.	Subshrub	CR	OUPR 1384
<i>Rhododendron simsii</i> Planch.	Subshrub	AA	OUPR 21502
<b>Eriocaulaceae</b>			
<i>Actinocephalus bongardii</i> (A.St.-Hil.) Sano	Herb	CR	BHCB 134051
<i>Comanthera nivea</i> (Bong.) L.R.Parra & Giul.	Herb	CR	R 3711
<i>Eriocaulon ligulatum</i> (Vell.) L.B.Sm.	Herb	CR	OUPR 6981
<i>Leiostrix flavescens</i> (Bong.) Ruhland	Herb	CR	OUPR 13145
<i>Leiostrix vivipara</i> (Bong.) Ruhland	Herb	CR	OUPR 5741
<i>Paepalanthus aequalis</i> (Vell.) J.F.Macbr.	Herb	CR	OUPR 13184
<i>Paepalanthus ciliolatus</i> Ruhland	Herb	CR	OUPR 4569
<i>Paepalanthus conduplicatus</i> Körn.	Herb	CR	OUPR 13193
<i>Paepalanthus elongatus</i> (Bong.) Körn.	Herb	CR	OUPR 12561
<i>Paepalanthus exiguus</i> (Bong.) Körn.	Herb	CR	OUPR 12572
<i>Paepalanthus flaccidus</i> (Bong.) Kunth	Herb	CR	NY 897855
<i>Paepalanthus freyreissii</i> (Thunb.) Körn.	Herb	CR	OUPR 12589
<i>Paepalanthus mollis</i> Kunth	Herb	CR	B 100243890
<i>Paepalanthus planifolius</i> (Bong.) Körn.	Herb	CR	OUPR 1212
<i>Paepalanthus plantagineus</i> (Bong.) Körn.	Herb	CR	OUPR 13286
<i>Syngonanthus caulescens</i> (Poir.) Ruhland	Herb	CR	OUPR 13348
<b>Erythroxylaceae</b>			
<i>Erythroxylum campestre</i> A.St.-Hil.	Shrub	CR	OUPR 6038
<i>Erythroxylum gonocladum</i> (Mart.) O.E.Schulz	Subshrub	F	OUPR 10776
<i>Erythroxylum microphyllum</i> A.St.-Hil.	Subshrub	CR	BHCB 574
<i>Erythroxylum</i> sp1	Shrub	CR	RB 324862
<i>Erythroxylum</i> sp2	Shrub	CR	RB 324863
<b>Escalloniaceae</b>			
<i>Escallonia hispida</i> (Vell.) Sleumer	Shrub	CR	OUPR 1255
<b>Euphorbiaceae</b>			
<i>Alchornea glandulosa</i> subsp. <i>iricurana</i> (Casar.) Secco	Shrub	F	OUPR 7429

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Alchornea triplinervia</i> (Spreng.) Müll. Arg.	Tree	CR,F	OUPR 9061
<i>Croton argyroglossus</i> Baill.	Shrub	F	OUPR 9058
<i>Croton ceanothifolius</i> Baill.	Subshrub	CR	NY 870391
<i>Croton celtidifolius</i> Baill.	Tree	F	OUPR 1242
<i>Croton fuscescens</i> Spreng.	Subshrub	CR,F	OUPR 20289
<i>Croton lundianus</i> (Didr.) Müll. Arg.	Subshrub	CR	OUPR 13619
<i>Croton salutaris</i> Casar.	Tree	F	OUPR 1281
<i>Croton vulnerarius</i> Baill.	Tree	CR,F	OUPR 6092
<i>Euphorbia chrysophylla</i> (Klotzsch & Garcke) Boiss.	Subshrub	CR	BHCB 602
<i>Euphorbia hyssopifolia</i> L.	Subshrub	CR	OUPR 1408
<i>Euphorbia portulacoides</i> subsp. <i>collina</i> (Phil.) Croizat	Subshrub	CR	BHCB 602
<i>Manihot pilosa</i> Pohl	Shrub	F	OUPR 18256
<i>Microstachys daphnoides</i> (Mart.) Müll. Arg.	Shrub	CR	OUPR 6930
<i>Microstachys hispida</i> (Mart.) Govaerts	Subshrub	CR	RB 277642
<i>Sapium glandulosum</i> (L.) Morong	Shrub	F	OUPR 1213
<i>Sapium sellowianum</i> (Müll.Arg.) Klotzsch ex Baill.	Tree	F	NY 528680
<b>Fabaceae</b>			
<i>Abarema brachystachya</i> (DC.) Barneby & J.W.Grimes	Tree	CR	OUPR 21252
<i>Abarema langsdorffii</i> (Benth.) Barneby & J.W.Grimes	Tree	CR	OUPR 18931
<i>Aeschynomene elegans</i> Schldl. & Cham	Subshrub	CR	OUPR 13590
<i>Anadenanthera colubrina</i> (Vell.) Brenan	Tree	F	OUPR 20242
<i>Anadenanthera peregrina</i> (L.) Speg.	Tree	F	OUPR 21354
<i>Ancistrotropis peduncularis</i> (Kunth) A. Delgado	Liana	CR	OUPR 13587
<i>Andira fraxinifolia</i> Benth.	Tree	F	VIC 20033
<i>Andira humilis</i> Mart. ex Benth.	Shrub	CR	OUPR 21201
<i>Andira surinamensis</i> (Bondt) Splitg. ex Amshoff	Tree	F	RB 411625
<i>Bauhinia forficata</i> Link	Tree	F	OUPR 15889
<i>Bauhinia fusconervis</i> (Bong.) Steud.	Tree	F	RB 98287
<i>Bauhinia longifolia</i> (Bong.) Steud.	Tree	F	VIC 20875
<i>Bauhinia unguolata</i> var. <i>cuiabensis</i> (Bong.) Vaz	Shrub	F	OUPR 20590
<i>Bauhinia</i> sp	Shrub	F	OUPR 7403
<i>Bionia bella</i> Mart. ex Benth.	Liana	F	OUPR 1306
<i>Bowdichia virgilioides</i> Kunth	Tree	F	OUPR 20575
<i>Cajanus cajan</i> (L.) Huth	Shrub	AA	OUPR 12125
<i>Calliandra parvifolia</i> (Hook. & Arn.) Speg.	Shrub	F	OUPR 19479
<i>Calliandra surinamensis</i> Benth.	Shrub	F	OUPR 7349
<i>Calopogonium mucunoides</i> Desv.	Subshrub	CR	OUPR 12131
<i>Camposema scarlatinum</i> var. <i>pohlianum</i> (Benth.) Burkart	Liana	CR	OUPR 13608
<i>Cassia ferruginea</i> (Schrad.) Schrad ex DC.	Tree	F	OUPR 20585
<i>Centrosema coriaceum</i> Benth.	Liana	CR	OUPR 1407
<i>Centrosema virginianum</i> (L.) Benth.	Liana	CR	OUPR 12134
<i>Chaetocalyx longiflora</i> Benth. ex A.Gray	Liana	F	VIC 21000
<i>Chamaecrista andromedeae</i> (Mart. ex Benth.) H.S.Irwin & Barneby	Shrub	CR	OUPR 3489
<i>Chamaecrista calycioides</i> (DC. ex Collad.) Greene	Subshrub	CR	VIC 28986
<i>Chamaecrista dentata</i> (Vogel) H.S.Irwin & Barneby <b>EN*</b>	Shrub	CR	OUPR 1220
<i>Chamaecrista desvauxii</i> (Collad.) Killip	Subshrub	CR	OUPR 22195
<i>Chamaecrista flexuosa</i> (L.) Greene var. <i>flexuosa</i>	Shrub	CR	OUPR 15934
<i>Chamaecrista hedysaroides</i> (Vogel) H.S.Irwin & Barneby	Shrub	CR,F	OUPR 19290
<i>Chamaecrista langsdorffii</i> (Kunth ex Vogel) Britton ex Pittier	Shrub	CR	OUPR 1423
<i>Chamaecrista mucronata</i> (Spreng.) H.S.Irwin & Barneby.	Shrub	CR	OUPR 1349
<i>Chamaecrista multipennis</i> (H.S.Irwin & Barneby) H.S.Irwin & Barneby	Shrub	CR	OUPR 18612
<i>Chamaecrista nictitans</i> (L.) Moench	Subshrub	CR	OUPR 16603
<i>Chamaecrista ochracea</i> (Vogel) H.S.Irwin & Barneby	Shrub	CR	OUPR 20197
<i>Chamaecrista rotundata</i> var. <i>grandistipula</i> (Vogel) H.S.Irwin & Barneby	Shrub	CR	OUPR 18982
<i>Chamaecrista rotundata</i> var. <i>rotundata</i> (Vogel) H.S.Irwin & Barneby	Shrub	CR	OUPR 18982
<i>Chamaecrista rotundifolia</i> var. <i>rotundifolia</i> (Pers.) Greene	Herb	CR	OUPR 18980
<i>Chamaecrista trichopoda</i> (Benth.) Britton & Rose ex Britton & Killip	Subshrub	CR	VIC 28986
<i>Chamaecrista</i> sp	Shrub	CR	OUPR 7400

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Clitoria falcata</i> Lam. var. <i>falcata</i>	Liana	F	OUPR 18254
<i>Clitoria rufescens</i> (Benth.) Benth.	Liana	CR	OUPR 1433
<i>Collaea speciosa</i> (Loisel.) DC.	Subshrub	CR	OUPR 17741
<i>Copaifera langsdorffii</i> Desf.	Tree	F	RB 377703
<i>Copaifera reticulata</i> Ducke	Tree	F	OUPR 13761
<i>Crotalaria breviflora</i> DC.	Subshrub	F	OUPR 13501
<i>Crotalaria grandiflora</i> Benth.	Subshrub	CR	OUPR 2337
<i>Crotalaria incana</i> L.	Subshrub	CR	OUPR 14408
<i>Crotalaria lanceolata</i> E.Mey.	Subshrub	CR	OUPR 14414
<i>Crotalaria maypurensis</i> Kunth	Subshrub	CR	NY 983419
<i>Crotalaria micans</i> Link	Subshrub	CR	OUPR 1279
<i>Crotalaria nitens</i> Kunth	Subshrub	CR	OUPR 13813
<i>Crotalaria otoptera</i> Benth.	Subshrub	CR	OUPR 5256
<i>Crotalaria pallida</i> Aiton	Subshrub	CR	FUNED 1275
<i>Crotalaria paulina</i> Schrank	Subshrub	F	OUPR 4817
<i>Crotalaria pilosa</i> Mill.	Subshrub	CR	VIC 24905
<i>Crotalaria stipularia</i> Desv.	Subshrub	CR	VIC 28478
<i>Crotalaria velutina</i> Benth.	Subshrub	CR	VIC 28479
<i>Dalbergia acuta</i> Benth.	Shrub	CR	RB 404382
<i>Dalbergia brasiliensis</i> Vogel	Tree	F	OUPR 21241
<i>Dalbergia foliosa</i> (Benth.) A.M.Carvalho	Shrub	CR	RB 404382
<i>Dalbergia frutescens</i> (Vell.) Britton	Shrub	CR,F	OUPR 9091
<i>Dalbergia nigra</i> (Vell.) Allemão ex Benth. <b>VU*</b>	Tree	CR,F	OUPR 8254
<i>Dalbergia villosa</i> (Benth.) Benth. var. <i>villosa</i>	Tree	CR,F	OUPR 12140
<i>Dalbergia violacea</i> (Jacq.) Hoffmanns.	Tree	F	OUPR 6377
<i>Dalbergia</i> sp	Tree	F	VIC 21402
<i>Desmodium adscendens</i> (Sw.) DC.	Subshrub	CR,F	OUPR 12127
<i>Desmodium affine</i> Schltdl.	Subshrub	CR	OUPR 12129
<i>Desmodium barbatum</i> (L.) Benth.	Subshrub	CR	OUPR 14418
<i>Desmodium incanum</i> DC.	Subshrub	CR	OUPR 14402
<i>Desmodium subsericeum</i> Malme	Subshrub	CR	ICN 138601
<i>Desmodium uncinatum</i> (Jacq.) DC.	Subshrub	CR,F	OUPR 12130
<i>Dioclea violacea</i> Mart. ex Benth.	Liana	F	VIC 21026
<i>Eriosema crinitum</i> var. <i>discolor</i> Fortunato	Subshrub	CR	OUPR 19766
<i>Erythrina speciosa</i> Andrews	Tree	CR	OUPR 13711
<i>Indigofera suffruticosa</i> Mill.	Subshrub	CR	OUPR 12124
<i>Inga barbata</i> Benth.	Tree	CR	OUPR 18930
<i>Inga cylindrica</i> (Vell.) Mart.	Tree	F	OUPR 21340
<i>Inga edulis</i> Mart.	Tree	F	VIC 20961
<i>Inga ingoides</i> (Rich.) Willd.	Tree	F	OUPR 21339
<i>Inga marginata</i> Willd.	Tree	F	OUPR 20583
<i>Inga schinifolia</i> Benth.	Tree	F	VIC 20963
<i>Inga sessilis</i> (Vell.) Mart.	Tree	F	OUPR 1439
<i>Inga vera</i> subsp. <i>affinis</i> (DC.) T.D.Penn.	Tree	F	OUPR 20581
<i>Inga vulpina</i> Mart. ex Benth.	Tree	CR,F	OUPR 9121
<i>Inga</i> sp1	Tree	F	OUPR 7401
<i>Inga</i> sp2	Tree	F	OUPR 9060
<i>Leptospron adenanthum</i> (G. Mey.) A.Delgado	Liana	CR	RB 255436
<i>Machaerium aculeatum</i> Raddi	Tree	CR,F	OUPR 4234
<i>Machaerium brasiliense</i> Vogel <b>LC***</b>	Shrub	CR	OUPR 13611
<i>Machaerium hirtum</i> (Vell.) Stellfeld	Tree	F	OUPR 8259
<i>Machaerium nyctitans</i> (Vell.) Benth.	Tree	F	OUPR 20070
<i>Machaerium oblongifolium</i> Vogel	Liana	F	OUPR 13715
<i>Machaerium reticulatum</i> (Poir.) Pers.	Tree	F	OUPR 13712
<i>Machaerium villosum</i> Vogel <b>VU***</b>	Tree	F	OUPR 20071
<i>Machaerium</i> sp	Shrub	F	OUPR 8259
<i>Macropitium sabaraense</i> (Hoehne) V.P.Barbosa	Liana	CR	VIC 29114
<i>Melanoxylon brauna</i> Schott <b>VU*, **</b>	Tree	F	OUPR 7405

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Mimosa aurivillus</i> Mart. var. <i>aurivillus</i>	Shrub	CR	OUPR 19029
<i>Mimosa aurivillus</i> var. <i>calothamnus</i> (Benth.) Barneby	Shrub	CR	OUPR 1223
<i>Mimosa bimucronata</i> (DC.) Kuntze var. <i>bimucronata</i>	Shrub	F	OUPR 19477
<i>Mimosa calodendron</i> Mart. ex Benth.	Shrub	CR	OUPR 24799
<i>Mimosa debilis</i> Humb. & Bonpl. ex Willd. var. <i>debilis</i>	Subshrub	CR	OUPR 12803
<i>Mimosa diplotricha</i> C.Wright ex Sauvalle var. <i>diplotricha</i>	Liana	CR	VIC 30737
<i>Mimosa dolens</i> Vell. var. <i>dolens</i>	Subshrub	CR	OUPR 18927
<i>Mimosa montis-carasae</i> Barneby EN*, **	Shrub	CR	OUPR 1452
<i>Mimosa ourobrancoensis</i> Burkart	Shrub	CR	OUPR 6385
<i>Mimosa peduncularis</i> Bong. ex Benth.	Shrub	CR	CEN 80702
<i>Mimosa pigra</i> L.	Shrub	CR	VIC 28302
<i>Mimosa pudica</i> var. <i>hispida</i> Brenan	Subshrub	CR	VIC 30736
<i>Mimosa scabrella</i> Benth.	Tree	CR,F	OUPR 12408
<i>Mimosa sensitiva</i> var. <i>malitiosa</i> (Mart.) Barneby	Liana	CR	VIC 30738
<i>Ormosia friburgensis</i> Taub. ex Glaz.	Tree	F	VIC 21045
<i>Ormosia ruddiana</i> Yakovlev	Tree	F	RB 419029
<i>Parapiptadenia rigida</i> (Benth.) Brenan	Tree	F	OUPR 1328
<i>Peltophorum dubium</i> (Spreng.) Taub.	Tree	F	NY 1093141
<i>Periandra mediterranea</i> (Vell.) Taub.	Shrub	CR	OUPR 14407
<i>Piptadenia adiantoides</i> (Spreng.) J.F.Macbr.	Shrub	F	OUPR 868
<i>Piptadenia gonoacantha</i> (Mart.) J.F.Macbr.	Tree	F	OUPR 20287
<i>Piptadenia micracantha</i> Benth.	Liana	F	OUPR 1450
<i>Platypodium elegans</i> Vogel	Tree	F	VIC 21048
<i>Poiretia punctata</i> (Willd.) Desv.	Liana	F	OUPR 19092
<i>Pseudopiptadenia contorta</i> (DC.) G.P. Lewis & M.P. Lima	Tree	F	OUPR 20582
<i>Pterocarpus rohrii</i> Vahl	Tree	F	OUPR 15587
<i>Rhynchosia minima</i> (L.) DC.	Liana	CR	OUPR 19110
<i>Rhynchosia reticulata</i> (Sw.) DC.	Liana	CR	OUPR 19024
<i>Schnella macrostachya</i> Raddi	Liana	CR	VIC 20874
<i>Senegalia martiusiana</i> (Steud.) Seigler & Ebinger	Liana	F	VIC 20930
<i>Senegalia nitidifolia</i> (Speg.) Seigler & Ebinger	Shrub	F	RB 421786
<i>Senegalia riparia</i> (Kunth) Britton & Rose ex Britton & Killip	Liana	F	VIC 20935
<i>Senna bicapsularis</i> (L.) Roxb. var. <i>bicapsularis</i>	Shrub	CR	OUPR 18666
<i>Senna macranthera</i> (DC. ex Collad.) H.S.Irwin & Barneby	Tree	F	OUPR 1346
<i>Senna macranthera</i> var. <i>nervosa</i> (Vogel) H.S.Irwin & Barneby	Tree	F	OUPR 1347
<i>Senna multijuga</i> var. <i>lindleyana</i> (Gardner) H.S.Irwin & Barneby	Tree	F	OUPR 20587
<i>Senna neglecta</i> var. <i>oligophylla</i> (Benth.) H.S.Irwin & Barneby	Tree	CR	OUPR 20197
<i>Senna pendula</i> var. <i>glabrata</i> (Vogel) H.S.Irwin & Barneby	Shrub	CR,F	OUPR 8258
<i>Senna pneumatica</i> H.S.Irwin & Barneby	Shrub	F	OUPR 20589
<i>Senna reniformis</i> (G.Don) H.S.Irwin & Barneby	Shrub	CR,F	OUPR 1305
<i>Sesbania virgata</i> (Cav.) Pers.	Shrub	CR	OUPR 19022
<i>Spartium junceum</i> L.	Shrub	AA	OUPR 13710
<i>Stryphnodendron adstringens</i> (Mart.) Coville	Tree	F	OUPR 7443
<i>Stryphnodendron polyphyllum</i> Mart.	Tree	F	OUPR 21204
<i>Stylosanthes gracilis</i> Kunth	Subshrub	CR	OUPR 19922
<i>Stylosanthes guianensis</i> var. <i>guianensis</i> (Aubl.) Sw.	Subshrub	CR	MO 3210340
<i>Stylosanthes guianensis</i> var. <i>pauciflora</i> M.B.Ferreira & Sousa Costa	Subshrub	CR	NY 623171
<i>Stylosanthes macrocephala</i> M.B.Ferreira & Sousa Costa	Subshrub	CR	OUPR 12126
<i>Stylosanthes montevidensis</i> Vogel	Subshrub	CR	OUPR 12126
<i>Stylosanthes scabra</i> Vogel	Subshrub	CR	RB 190484
<i>Stylosanthes viscosa</i> (L.) Sw.	Subshrub	CR	OUPR 13599
<i>Swartzia hilaireana</i> Mansano & Torke	Tree	F	OUPR 21248
<i>Swartzia oblata</i> R.S.Cowan	Shrub	CR	OUPR 19025
<i>Tachigali friburgensis</i> (Harms) L.G.Silva & H.C.Lima	Tree	F	OUPR 20588
<i>Tachigali rugosa</i> (Mart. ex Benth.) Zarucchi & Pipoly	Tree	F	OUPR 7449
<i>Trifolium repens</i> L.	Subshrub	F	OUPR 13754
<i>Zornia curvata</i> Mohlenbr.	Subshrub	CR	OUPR 27805
<i>Zornia hebecarpa</i> Mohlenbr.	Subshrub	CR	OUPR 27798



Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Zornia reticulata</i> Sm.	Subshrub	CR	OUPR 8256
<b>Gentianaceae</b>			
<i>Calolisianthus amplissimus</i> (Mart.) Gilg	Subshrub	CR	UPCB 38616
<i>Calolisianthus pedunculatus</i> (Cham. & Schltld.) Gilg	Subshrub	CR	OUPR 4564
<i>Calolisianthus pendulus</i> (Mart.) Gilg	Subshrub	CR	OUPR 15385
<i>Calolisianthus pulcherrimus</i> (Mart.) Gilg	Subshrub	CR	OUPR 1375
<i>Calolisianthus speciosus</i> (Cham. & Schltld.) Gilg	Subshrub	CR	VIC 8272
<i>Deianira damazioi</i> E.F.Guimar.	Subshrub	CR	RB 471530
<i>Deianira nervosa</i> Cham. & Schltld.	Subshrub	CR	OUPR 9094
<i>Helia alpestris</i> (Mart.) Kuntze	Subshrub	CR	OUPR 16387
<i>Irlbachia elegans</i> Mart.	Subshrub	CR	OUPR 20470
<b>Gesneriaceae</b>			
<i>Anetanthus gracilis</i> Hiern <b>VU*</b>	Subshrub	CR	OUPR 13296
<i>Nematanthus dichrus</i> (Spreng.) Wiehler	Subshrub	CR,F	OUPR 1215
<i>Paliavana sericiflora</i> Benth.	Subshrub	CR	OUPR 1350
<i>Sinningia allagophylla</i> (Mart.) Wiehler	Subshrub	CR	OUPR 1271
<i>Sinningia elatior</i> (Kunth) Chautems	Subshrub	CR	OUPR 17707
<i>Sinningia magnifica</i> (Otto & A.Dietr.) Wiehler	Subshrub	CR	OUPR 13427
<i>Sinningia tuberosa</i> (Mart.) H.E.Moore <b>VU*,**</b>	Subshrub	CR	OUPR 16437
<b>Griselinaceae</b>			
<i>Griselinia ruscifolia</i> (Clos) Taub.	Liana	CR	OUPR 3307
<b>Humiriaceae</b>			
<i>Humiriastrum glaziovii</i> (Urb.) Cuatrec.	Tree	F	RB 277735
<i>Sacoglottis dentata</i> (Casar.) Urb.	Tree	F	OUPR 3563
<b>Hydrangeaceae</b>			
<i>Hydrangea macrophylla</i> (Thunb.) Ser.	Subshrub	AA	OUPR 21501
<b>Hypericaceae</b>			
<i>Hypericum brasiliense</i> Choisy	Subshrub	CR	RB 98245
<i>Hypericum denudatum</i> A.St.-Hil.	Subshrub	CR	RB 148714
<i>Hypericum polyanthemum</i> Klotzsch ex Reichardt	Subshrub	CR,F	OUPR 1876
<i>Hypericum rigidum</i> A.St.-Hil.	Subshrub	CR	BHCB 8278
<i>Vismia brasiliensis</i> Choisy	Shrub	CR	OUPR 12795
<i>Vismia magnoliifolia</i> Cham. & Schltld.	Shrub	CR,F	OUPR 1216
<i>Vismia micrantha</i> A.St.-Hil.	Shrub	CR	OUPR 12799
<i>Vismia parviflora</i> Cham. & Schltld.	Shrub	CR,F	OUPR 1284
<b>Hypoxidaceae</b>			
<i>Hypoxis decumbens</i> L.	Herb	CR	OUPR 17505
<b>Iridaceae</b>			
<i>Crocoshia crocosmiiflora</i> (Lemoine ex Morren) N.E.Br.	Herb	CR	OUPR 1348
<i>Cypella caerulea</i> (Ker Gawl.) Seub. ex Hook. f.	Herb	CR	OUPR 15601
<i>Cypella</i> sp	Herb	CR	OUPR 13554
<i>Dietes bicolor</i> Sweet ex Klatt	Herb	CR	OUPR 19307
<i>Neomarica caerulea</i> (Ker Gawl.) Sprague	Herb	CR	OUPR 13546
<i>Neomarica glauca</i> (Seub. ex Klatt) Sprague	Herb	CR	OUPR 13545
<i>Sisyrinchium itabiritense</i> Ravenna	Herb	CR	NY 910565
<i>Sisyrinchium minutiflorum</i> Klatt	Herb	CR	OUPR 11513
<i>Sisyrinchium vaginatum</i> Spreng.	Herb	CR	OUPR 9096
<i>Sisyrinchium</i> sp	Herb	CR	OUPR 23282
<i>Trimezia juncifolia</i> (Klatt) Benth. & Hook.	Herb	CR	OUPR 10774
<i>Trimezia rupestris</i> Ravenna	Herb	CR	MBML 7050
<b>Juncaceae</b>			
<i>Juncus microcephalus</i> Kunth	Herb	CR	OUPR 15950
<i>Juncus tenuis</i> Willd.	Herb	CR	NY 402417
<i>Juncus</i> sp1	Herb	CR	OUPR 22510
<i>Juncus</i> sp2	Herb	CR	OUPR 22511
<b>Lacistemataceae</b>			
<i>Lacistema pubescens</i> Mart.	Shrub	F	OUPR 10769
<b>Lamiaceae</b>			

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Aegiphila integrifolia</i> (Jacq.) Moldenke	Shrub	F	OUPR 7295
<i>Aegiphila obducta</i> Vell.	Shrub	CR	OUPR 12407
<i>Aegiphila verticillata</i> Vell.	Shrub	F	RB 183422
<i>Cantinoa racemulosa</i> (Mart. ex Benth.) Harley & J.F.B.Pastore	Subshrub	CR	NY 500959
<i>Eriope macrostachya</i> Mart. ex Benth.	Shrub	CR	OUPR 1293
<i>Hyptidendron asperrimum</i> (Spreng.) Harley	Tree	CR,F	OUPR 5609
<i>Hyptis homalophylla</i> Pohl ex Benth.	Subshrub	CR	OUPR 16291
<i>Hyptis monticola</i> Mart. ex Benth.	Subshrub	CR	OUPR 17860
<i>Hyptis pusilla</i> (Pohl) Harley & J.F.B.Pastore	Subshrub	CR	UB 172265
<i>Hyptis radicans</i> (Pohl) Harley & J.F.B.Pastore	Subshrub	CR	OUPR 12804
<i>Hyptis rotundifolia</i> Benth.	Subshrub	CR	OUPR 17887
<i>Leonurus japonicus</i> Houtt.	Subshrub	CR	OUPR 4233
<i>Marsypianthes chamaedrys</i> (Vahl) Kuntze	Subshrub	CR	OUPR 7347
<i>Mesosphaerum pectinatum</i> (L.) Kuntze	Subshrub	CR	UEFS 150032
<i>Mesosphaerum sidifolium</i> (L'Hérit.) Harley & J.F.B.Pastore	Subshrub	CR	UB 111148
<i>Oocephalus oppositiflorus</i> (Schrank) Harley & J.F.B.Pastore	Subshrub	CR	OUPR 17830
<i>Vitex polygama</i> Cham.	Tree	CR,F	OUPR 1376
<i>Vitex rufescens</i> A.Juss.	Tree	F	UB 161215
<i>Vitex sellowiana</i> Cham.	Shrub	F	OUPR 6422
<b>Lauraceae</b>			
<i>Cassytha filiformis</i> L.	Liana	F	OUPR 20257
<i>Cinnamomum erythropus</i> (Nees & Mart.) Kosterm. EN*, **	Tree	F	RB 418224
<i>Cinnamomum quadrangulum</i> Kosterm. VU*,**	Shrub	CR	OUPR 22531
<i>Cinnamomum</i> sp.	Tree	F	RB 48737
<i>Nectandra nitidula</i> Nees & Mart.	Tree	CR,F	OUPR 7375
<i>Nectandra oppositifolia</i> Nees & Mart.	Tree	F	OUPR 25200
<i>Ocotea densiflora</i> (Meisn.) Mez	Tree	F	OUPR 18144
<i>Ocotea diospyrifolia</i> (Meisn.) Mez	Tree	F	OUPR 21331
<i>Ocotea dispersa</i> (Nees & Mart.) Mez	Tree	F	OUPR 15550
<i>Ocotea divaricata</i> (Nees) Mez	Shrub	F	OUPR 1489
<i>Ocotea felix</i> Coe-Teix. CR*,EN**	Shrub	F	OUPR 8331
<i>Ocotea hypoglauca</i> (Nees & Mart.) Mez	Shrub	CR,F	OUPR 18154
<i>Ocotea lancifolia</i> (Schott) Mez	Tree	F	RB 324873
<i>Ocotea laxa</i> (Nees) Mez	Tree	F	OUPR 6827
<i>Ocotea nutans</i> (Nees) Mez	Tree	F	RB 48725
<i>Ocotea percoriacea</i> Kosterm. EN*	Tree	CR,F	OUPR 18154
<i>Ocotea pomaderroides</i> (Meisn.) Mez EN*	Shrub	F	OUPR 19284
<i>Ocotea puberula</i> (Rich.) Nees	Tree	F	OUPR 21697
<i>Ocotea sassafras</i> (Meisn.) Mez.	Tree	F	OUPR 18195
<i>Ocotea semicompleta</i> (Nees & Mart.) Mez	Tree	F	MO 2158206
<i>Ocotea spixiana</i> (Nees) Mez	Tree	F	OUPR 1390
<i>Ocotea tabacifolia</i> (Meisn.) Rohwer EN**	Shrub	F	OUPR 18144
<i>Ocotea tristis</i> (Nees & C. Mart.) Mez	Shrub	CR	OUPR 1394
<i>Ocotea vaccinioides</i> (Meisn.) Mez	Shrub	CR	OUPR 18270
<i>Ocotea</i> sp1	Shrub	F	OUPR 9072
<i>Ocotea</i> sp2	Shrub	F	OUPR 6801
<i>Persea americana</i> Mill.	Tree	AA	OUPR 19302
<i>Persea fulva</i> L.E.Kopp	Tree	F	MO 1899923
<i>Persea pedunculosa</i> Meisn. EN**	Tree	F	RB 48653
<b>Lecythidaceae</b>			
<i>Cariniana estrellensis</i> (Raddi) Kuntze	Tree	F	OUPR 140
<b>Lentibulariaceae</b>			
<i>Genlisea aurea</i> A.St.-Hil.	Herb	CR	OUPR 3544
<i>Genlisea repens</i> Benj.	Herb	CR	OUPR 22811
<i>Genlisea violacea</i> A.St.-Hil.	Herb	CR	VIC 19479
<i>Utricularia amethystina</i> Salzm. ex A.St.-Hil. & Girard	Herb	CR	OUPR 22812
<b>Loganiaceae</b>			
<i>Spigelia linarioides</i> A.DC.	Subshrub	CR	RB 111041

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Spigelia spartioides</i> Cham.	Subshrub	CR	OUPR 13473
<b>Loranthaceae</b>			
<i>Phthirusa</i> sp	Shrub	F	BHCB 41488
<i>Psittacanthus dichrous</i> Mart.	Shrub	F	OUPR 1371
<i>Struthanthus concinnus</i> (Mart.) Mart.	Shrub	F	OUPR 1224
<i>Struthanthus salicifolius</i> Mart.	Shrub	F	OUPR 6770
<b>Lythraceae</b>			
<i>Cuphea carthagenensis</i> (Jacq.) J.Macbr.	Subshrub	CR	OUPR 12579
<i>Cuphea ingrata</i> Cham. & Schldtl.	Shrub	CR	OUPR 1227
<i>Cuphea thymoides</i> Cham. & Schldtl.	Subshrub	CR	RB 74307
<i>Diplusodon buxifolius</i> (Cham. & Schldtl.) A.DC.	Shrub	CR	OUPR 8336
<i>Diplusodon hirsutus</i> (Cham. & Schldtl.) A.DC.	Shrub	CR	OUPR 1330
<i>Diplusodon microphyllus</i> Pohl	Subshrub	CR	OUPR 6823
<i>Diplusodon virgatus</i> Pohl	Subshrub	CR	OUPR 6824
<i>Lafoensia pacari</i> A.St.-Hil.	Shrub	CR	OUPR 16274
<b>Magnoliaceae</b>			
<i>Magnolia ovata</i> (A.St.-Hil.) Spreng.	Tree	CR,F	OUPR 5399
<b>Malpighiaceae</b>			
<i>Banisteriopsis angustifolia</i> (A.Juss.) B.Gates	Subshrub	CR	OUPR 7788
<i>Banisteriopsis campestris</i> (A.Juss.) Little	Liana	CR	OUPR 7789
<i>Banisteriopsis gardneriana</i> (A.Juss.) W.R.Anderson & B.Gates	Liana	F	OUPR 1459
<i>Byrsonima clauseniana</i> A.Juss.	Liana	CR,F	OUPR 1228
<i>Byrsonima intermedia</i> A.Juss.	Shrub	CR	OUPR 1277
<i>Byrsonima ligustrifolia</i> A.Juss.	Tree	F	OUPR 20264
<i>Byrsonima spinensis</i> W.R.Anderson	Tree	F	SP 253566
<i>Byrsonima variabilis</i> A.Juss.	Shrub	CR	OUPR 12584
<i>Heteropterys byrsonimifolia</i> A.Juss.	Shrub	CR	SP 253567
<i>Heteropterys intermedia</i> (A.Juss.) Griseb.	Shrub	CR	NY 909452
<i>Heteropterys umbellata</i> A.Juss.	Shrub	CR	OUPR 1278
<i>Heteropterys</i> sp1	Shrub	F	OUPR 3664
<i>Mascagnia bierosa</i> (A.Juss.) W.R.Anderson	Liana	F	NY 1131507
<i>Peixotoa tomentosa</i> A.Juss.	Subshrub	CR	OUPR 1369
<i>Peixotoa</i> sp	Shrub	CR	OUPR 9068
<i>Tetrapteryx microphylla</i> (A.Juss.) Nied.	Subshrub	CR	RB 277643
<i>Tetrapteryx</i> sp1	Liana	F	OUPR 1460
<i>Tetrapteryx</i> sp2	Subshrub	CR	RB 277643
<b>Malvaceae</b>			
<i>Abutilon ibarrense</i> Kunth	Shrub	CR	MO 3038566
<i>Abutilon inaequilaterum</i> A.St.-Hil.	Shrub	CR	OUPR 4854
<i>Abutilon peltatum</i> K.Schum.	Shrub	F	OUPR 4849
<i>Byttneria scabra</i> L.	Subshrub	CR	OUPR 21420
<i>Ceiba</i> sp	Tree	F	OUPR 7432
<i>Krapovickasia macrodon</i> (A.DC.) Fryxell	Subshrub	CR	OUPR 1232
<i>Luehea divaricata</i> Mart. & Zucc.	Tree	F	OUPR 9073
<i>Luehea paniculata</i> Mart. & Zucc.	Tree	CR,F	OUPR 23176
<i>Melochia pilosa</i> (Mill.) Fawc. & Rendle	Subshrub	AA,CR	OUPR 24560
<i>Pavonia communis</i> A.St.-Hil.	Subshrub	CR	NY 407051
<i>Pavonia montana</i> Garcke ex Gürke	Shrub	CR	OUPR 4819
<i>Pavonia sagittata</i> A.St.-Hil.	Subshrub	CR	OUPR 4931
<i>Pavonia schiedeana</i> Steud.	Subshrub	CR	OUPR 1428
<i>Pavonia schrankii</i> Spreng.	Subshrub	CR	UEC 177669
<i>Pavonia viscosa</i> A.St.-Hil.	Shrub	CR,F	OUPR 6796
<i>Peltaea acutifolia</i> (Gürke) Krapov. & Cristóbal	Subshrub	CR	NY 00942549
<i>Peltaea obsita</i> (Mart. ex Colla) Krapov. & Cristóbal	Subshrub	CR	NY 942549
<i>Peltaea polymorpha</i> (A.St.-Hil.) Krapov. & Cristóbal	Shrub	F	OUPR 1405
<i>Sida acuta</i> Burm.f.	Subshrub	CR	NY 942698
<i>Sida cordifolia</i> L.	Subshrub	F	RB 399018
<i>Sida glaziovii</i> K.Schum.	Subshrub	CR	RB 398966

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Sida linifolia</i> Cav.	Subshrub	CR	OUPR 19282
<i>Sida rhombifolia</i> L.	Subshrub	CR	OUPR 1231
<i>Sida spinosa</i> L.	Subshrub	CR	OUPR 13585
<i>Sida tuberculata</i> R.E.Fr.	Subshrub	CR	RB 342260
<i>Sida viarum</i> A.St.-Hil.	Subshrub	CR	SPF 74422
<i>Triumfetta rhomboidea</i> Jacq.	Subshrub	CR	OUPR 12576
<i>Triumfetta semitriloba</i> Jacq.	Subshrub	CR	NY 996627
<i>Waltheria indica</i> L.	Subshrub	CR	OUPR 13618
<i>Wissadula periplocifolia</i> (L.) C.Presl. ex Thwaites	Subshrub	CR	OUPR 5007
<b>Marantaceae</b>			
<i>Goepertia ackermannii</i> (Körn.) Borchs. & S.Suárez	Herb	F	OUPR 14075
<b>Mayacaceae</b>			
<i>Mayaca sellowiana</i> Kunth	Herb	CR	OUPR 7585
<b>Melastomataceae</b>			
<i>Acisanthera variabilis</i> (Naud.) Triana	Subshrub	CR	NY 2137296
<i>Behuria glutinosa</i> Cogn.	Shrub	CR	OUPR 20229
<i>Cambessedesia corymbosa</i> Mart. & Schrank ex DC.	Subshrub	CR	UB 19511
<i>Cambessedesia espora</i> (A.St.-Hil. ex Bonpl.) DC.	Subshrub	CR	OUPR 23542
<i>Cambessedesia fasciculata</i> (Spreng.) Fidanza & A.B. Martins	Subshrub	CR	NY 1549811
<i>Cambessedesia hilariana</i> (Kunth.) DC.	Subshrub	CR	OUPR 1292
<i>Chaetostoma armatum</i> (Spreng.) Cogn.	Subshrub	CR	RB 515229
<i>Clidemia capitellata</i> (Bonpl.) D.Don	Shrub	CR	BHCB 68080
<i>Clidemia urceolata</i> DC.	Shrub	CR	RB 515524
<i>Comolia sertularia</i> Triana	Shrub	CR	OUPR 21337
<i>Eriocnema acaulis</i> (Cham.) Triana EN**	Subshrub	F	UEC 104907
<i>Eriocnema fulva</i> Naudin VU*,**	Subshrub	CR	OUPR 5819
<i>Fritzschia anisostemon</i> Cham. VU*	Subshrub	CR	OUPR 20231
<i>Fritzschia erecta</i> Cham.	Subshrub	CR	OUPR 8419
<i>Lavoisiera alba</i> Mart. & Schrank ex DC.	Subshrub	CR	HUFU 24943
<i>Lavoisiera caparaoensis</i> Schwacke ex Schwacke & Cogn.	Subshrub	CR	BHCB 67488
<i>Lavoisiera imbricata</i> DC.	Subshrub	CR	OUPR 7382
<i>Lavoisiera pulcherrima</i> DC.	Shrub	CR	OUPR 1440
<i>Leandra aurea</i> (Cham.) Cogn.	Shrub	F	OUPR 5160
<i>Leandra australis</i> (Cham.) Cogn.	Shrub	F	OUPR 1420
<i>Leandra cancellata</i> Cogn.	Shrub	CR	UPCB (Reginato, M. 1175)
<i>Leandra carassana</i> (DC.) Cogn.	Shrub	F	OUPR 515473
<i>Leandra coriacea</i> Cogn.	Subshrub	CR	HUFU 57647
<i>Leandra dendroides</i> (Naudin) Cogn.	Subshrub	F	RB 515390
<i>Leandra erostrata</i> (DC.) Cogn.	Subshrub	CR	RB 515387
<i>Leandra fluminensis</i> Cogn.	Subshrub	F	RB 515378
<i>Leandra foveolata</i> (DC.) Cogn.	Subshrub	CR	HUFU 57652
<i>Leandra fragilis</i> Cogn.	Shrub	CR	OUPR 20218
<i>Leandra glabrata</i> Cogn.	Shrub	CR	RB 515472
<i>Leandra lacunosa</i> Cogn.	Shrub	CR	RB 515478
<i>Leandra lutea</i> Cogn.	Shrub	F	NY 2099130
<i>Leandra melastomoides</i> Raddi	Shrub	CR,F	OUPR 5831
<i>Leandra polychaeta</i> Cogn.	Shrub	CR	UPCB (Reginato, M. 1173)
<i>Leandra purpurascens</i> (DC.) Cogn.	Shrub	F	NY 02098871
<i>Leandra quinqueidentata</i> (DC.) Cogn.	Shrub	CR	RB 515474
<i>Leandra sulfurea</i> Cogn.	Shrub	CR	RB 149572
<i>Leandra</i> sp1	Shrub	F	OUPR 1238
<i>Leandra</i> sp2	Shrub	F	OUPR 1419
<i>Leandra</i> sp3	Subshrub	CR	OUPR 17297
<i>Leandra</i> sp4	Subshrub	CR	OUPR 5833
<i>Leandra</i> sp5	Shrub	F	OUPR 19285
<i>Leandra</i> sp6	Shrub	F	OUPR 20164

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Marcetia cordigera</i> DC.	Subshrub	CR	OUPR 5756
<i>Marcetia taxifolia</i> (A.St.-Hil.) DC.	Subshrub	CR	OUPR 1386
<i>Miconia albicans</i> (Sw.) Triana	Subshrub	CR	OUPR 6577
<i>Miconia brunnea</i> DC.	Tree	F	UEC 150710
<i>Miconia calvescens</i> Schrank & Mart. ex DC.	Shrub	F	OUPR 1421
<i>Miconia chartacea</i> Triana	Tree	F	OUPR 1949
<i>Miconia corallina</i> Spring.	Shrub	F	OUPR 1233
<i>Miconia cubatanensis</i> Hoehne	Shrub	F	UPCB 71895
<i>Miconia cyathanthera</i> Triana	Shrub	F	OUPR 3705
<i>Miconia discolor</i> DC.	Tree	F	OUPR 19079
<i>Miconia flammea</i> Casar.	Shrub	F	RB 469741
<i>Miconia ibaguensis</i> (Bonpl.) Triana	Shrub	F	RB 469741
<i>Miconia inconspicua</i> Miq.	Tree	F	UPCB 71896
<i>Miconia ligustroides</i> (DC.) Naudin	Shrub	F	OUPR 1417
<i>Miconia macrophylla</i> (Pav. ex D. Don) Triana	Shrub	F	OUPR 1263
<i>Miconia minutiflora</i> (Bonpl.) DC.	Shrub	F	OUPR 4814
<i>Miconia paniculata</i> (DC.) Naudin	Shrub	F	NY 1738436
<i>Miconia pennipilis</i> Cogn.	Shrub	CR	OUPR 6566
<i>Miconia rimalis</i> Naudin.	Shrub	F	OUPR 1975
<i>Miconia sellowiana</i> Naudin	Shrub	F	RB 358485
<i>Miconia shepherdii</i> R.Goldenb. & Reginato	Tree	F	RB 555987
<i>Miconia stelligera</i> Cogn.	Shrub	F	OUPR 6581
<i>Miconia tentaculifera</i> Naudin	Shrub	F	OUPR 1366
<i>Miconia theizans</i> (Bonpl.) Cogn.	Shrub	CR,F	OUPR 21330
<i>Miconia trianae</i> Cogn.	Shrub	CR	OUPR 1234
<i>Miconia willdenowii</i> Klotzsch ex Naudin	Shrub	F	SPF203103
<i>Miconia</i> sp1	Shrub	F	OUPR 1422
<i>Miconia</i> sp2	Shrub	CR	OUPR 13614
<i>Miconia</i> sp3	Shrub	F	OUPR 20290
<i>Microlicia arenariaefolia</i> DC.	Subshrub	CR	RB 41804
<i>Microlicia avicularis</i> Mart. ex Naudin	Subshrub	CR	OUPR 9986
<i>Microlicia confertiflora</i> Naudin	Subshrub	CR	OUPR 12815
<i>Microlicia cordata</i> (Spreng.) Cham.	Subshrub	CR	OUPR 6788
<i>Microlicia crenulata</i> (DC.) Mart.	Subshrub	CR	OUPR 20462
<i>Microlicia euphorbioides</i> Mart.	Subshrub	CR	OUPR 9996
<i>Microlicia fasciculata</i> Mart. ex Naudin	Subshrub	CR	HUFU 57696
<i>Microlicia glazioviana</i> Cogn. EN**	Subshrub	CR	OUPR 8802
<i>Microlicia graveolens</i> DC.	Subshrub	CR	HUFU 57687
<i>Microlicia isophylla</i> DC.	Subshrub	CR	OUPR 6056
<i>Microlicia macrophylla</i> Naudin	Subshrub	CR	OUPR 9968
<i>Microlicia multicaulis</i> Mart. ex Naudin	Subshrub	CR	RB 515443
<i>Microlicia parvifolia</i> Naudin	Subshrub	CR	NY 926143
<i>Microlicia serpyllifolia</i> D.Don	Subshrub	CR	OUPR 6396
<i>Microlicia</i> sp1	Subshrub	CR	OUPR 6783
<i>Microlicia</i> sp2	Subshrub	CR	OUPR 7785
<i>Microlicia</i> sp3	Subshrub	CR	OUPR 9985
<i>Ossaea cinnamomifolia</i> (Naudin) Triana	Shrub	F	OUPR 2143
<i>Ossaea congestiflora</i> (Naudin) Cogn.	Shrub	CR	OUPR 6652
<i>Ossaea coriacea</i> (Naudin) Triana	Shrub	F	OUPR 5917
<i>Pleroma aemula</i> P.J.F.Guim., A.L.F.Oliveira & R.Romer	Tree	F	RB 524426
<i>Rhynchanthera grandiflora</i> (Aubl.) DC.	Shrub	CR	OUPR 6652
<i>Siphanthera arenaria</i> (DC.) Cogn.	Subshrub	CR	HUFU 57654
<i>Siphanthera paludosa</i> (DC.) Cogn.	Subshrub	CR	OUPR 23552
<i>Tibouchina canescens</i> (D.Don) Cogn.	Tree	F	OUPR 1236
<i>Tibouchina cardinalis</i> (Humb. & Bonpl.) Cogn.	Shrub	CR	OUPR 6160
<i>Tibouchina cerastifolia</i> Cogn.	Shrub	CR	UEC 187651
<i>Tibouchina cisplatensis</i> Cogn.	Subshrub	CR	OUPR 6162
<i>Tibouchina collina</i> (Naud.) Cogn.	Subshrub	CR	UPBC 70958



Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Tibouchina dendroides</i> (Naudin) Cogn.	Shrub	CR	OUPR 6175
<i>Tibouchina estrellensis</i> (Raddi) Cogn.	Tree	F	OUPR 6178
<i>Tibouchina fissinervia</i> (Schrank & Mart. ex DC.) Cogn.	Shrub	F	OUPR 1324
<i>Tibouchina formosa</i> Cogn.	Shrub	CR	OUPR 23555
<i>Tibouchina fothergillae</i> (Schrank & Mart. ex DC.) Cogn.	Tree	F	OUPR 19076
<i>Tibouchina frigidula</i> (DC.) Cogn.	Subshrub	CR	OUPR 6198
<i>Tibouchina gardneriana</i> (Triana) Cogn.	Tree	F	HUFU 57919
<i>Tibouchina gracilis</i> (Bonpl.) Cogn.	Subshrub	CR	OUPR 6794
<i>Tibouchina herbacea</i> (DC.) Cogn.	Subshrub	CR	RB 524414
<i>Tibouchina heteromalla</i> (D.Don) Cogn.	Subshrub	CR	OUPR 6138
<i>Tibouchina hieracioides</i> (DC.) Cogn.	Subshrub	CR	HUFU 53795
<i>Tibouchina martialis</i> (Cham.) Cogn.	Shrub	F	OUPR 1267
<i>Tibouchina martiusiana</i> (DC.) Cogn.	Shrub	CR,F	OUPR 1321
<i>Tibouchina moricandiana</i> Baill.	Shrub	F	MBM 233920
<i>Tibouchina mutabilis</i> (Vell.) Cogn.	Tree	F	RB 40788
<i>Tibouchina semidecandra</i> (Schrank & Mart. ex DC.) Cogn.	Shrub	CR,F	OUPR 6777
<i>Tibouchina stenocarpa</i> (Schrank & Mart. ex DC.) Cogn.	Shrub	CR,F	NY 941804
<i>Tibouchina thereminiana</i> (DC.) Cogn.	Shrub	CR	RB 98503
<i>Tibouchina trichopoda</i> (DC.) Baill.	Shrub	CR	OUPR 6488
<i>Tibouchina valtherii</i> Cogn.	Tree	F	RB 524426
<i>Tibouchina</i> sp	Shrub	CR	OUPR 4805
<i>Trembleya calycina</i> Cham. EX*, EN**	Shrub	CR	OUPR 6274
<i>Trembleya laniflora</i> (D.Don) Cogn.	Shrub	CR	OUPR 1365
<i>Trembleya parviflora</i> (D.Don) Cogn.	Shrub	CR,F	OUPR 1378
<i>Trembleya pentagona</i> Naudin	Shrub	CR	OUPR 6425
<i>Trembleya phlogiformis</i> DC.	Shrub	CR	OUPR 1325
<i>Trembleya tridentata</i> Naudin	Shrub	CR	OUPR 1506
<b>Meliaceae</b>			
<i>Cabralea canjerana</i> subsp. <i>canjerana</i> (Vell.) Mart.	Tree	CR,F	OUPR 5531
<i>Cabralea canjerana</i> subsp. <i>polytricha</i> (A. Juss.) T.D.Penn.	Shrub	CR	OUPR 19180
<b>Menispermaceae</b>			
<i>Abuta</i> sp	Liana	F	OUPR 7397
<i>Cissampelos andromorpha</i> DC.	Liana	F	OUPR 8991
<b>Monimiaceae</b>			
<i>Macropelplus ligustrinus</i> (Tul.) Perkins	Shrub	F	OUPR 5470
<i>Macropelplus schwackeanus</i> (Perkins) I.Santos & Peixoto VU*	Tree	F	BHCB 122307
<i>Mollinedia glabra</i> (Spreng.) Perkins	Tree	F	OUPR 21698
<b>Moraceae</b>			
<i>Dorstenia urceolata</i> Schott	Subshrub	F	OUPR 1291
<i>Ficus</i> sp	Tree	F	OUPR 19179
<i>Sorocea bonplandii</i> (Baill.) W.C.Burger, Lanj. & de Boer	Tree	F	OUPR 21335
<b>Myrtaceae</b>			
<i>Blepharocalyx salicifolius</i> (Kunth) O.Berg	Shrub	CR	RB 276290
<i>Calypttranthes pulchella</i> DC.	Shrub	CR,F	BHCB (FF Carmo 3484)
<i>Campomanesia adamantium</i> (Cambess.) O.Berg	Shrub	CR	OUPR 1980
<i>Campomanesia guaviroba</i> (DC.) Kiaersk.	Shrub	F	BHCB (M.O. Büniger 543)
<i>Campomanesia pubescens</i> (DC.) O.Berg.	Shrub	CR	OUPR 19392
<i>Campomanesia rufa</i> (O.Berg) Nied.	Shrub	CR,F	OUPR 21145
<i>Campomanesia simulans</i> M.L.Kawas.	Tree	F	OUPR 20248
<i>Eucalyptus grandis</i> W.Hill	Tree	F	OUPR 20898
<i>Eugenia brasiliensis</i> Lam.	Shrub	F	SP 313342
<i>Eugenia cerasiflora</i> Miq.	Tree	F	BHCB 144673
<i>Eugenia florida</i> DC.	Shrub	F	BHCB 144297
<i>Eugenia longipedunculata</i> Nied.	Shrub	CR,F	OUPR 21660
<i>Eugenia ligustrina</i> (Sw.) Willd.	Tree	CR,F	OUPR 24025
<i>Eugenia mosenii</i> (Kausel) Sobral	Tree	F	OUPR 1435
<i>Marlierea angustifolia</i> (O.Berg) Mattos	Tree	F	SP 313316

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Marlierea antonia</i> (O.Berg) D.Legrand	Tree	F	OUPR 1492
<i>Marlierea excoriata</i> Mart.	Tree	F	OUPR 21702
<i>Marlierea laevigata</i> (DC.) Kiaersk.	Tree	F	BHCB 144296
<i>Marlierea tomentosa</i> Cambess.	Tree	F	UEC 157769
<i>Marlierea obscura</i> O.Berg	Tree	CR,F	OUPR 19162
<i>Marlierea</i> sp	Shrub	CR	OUPR 15617
<i>Myrceugenia alpigena</i> (DC.) Landrum	Shrub	CR,F	OUPR 5721
<i>Myrceugenia miersiana</i> (Gardner) D.Legrand & Kausel	Tree	F	OUPR 19166
<i>Myrceugenia ovata</i> (Hook. & Arn.) O.Berg	Tree	F	BHCB 107934
<i>Myrcia amazonica</i> DC.	Tree	CR,F	OUPR 6207
<i>Myrcia crocea</i> Kiaersk.	Tree	F	OUPR 21705
<i>Myrcia eriopus</i> DC.	Shrub	CR,F	OUPR 24032
<i>Myrcia eriocalyx</i> DC.	Shrub	CR,F	OUPR 22798
<i>Myrcia guianensis</i> (Aubl.) DC.	Shrub	CR	OUPR 3733
<i>Myrcia hartwegiana</i> (O.Berg) Kiaersk.	Shrub	CR,F	OUPR 22797
<i>Myrcia hebetata</i> DC.	Shrub	F	OUPR 3819
<i>Myrcia laruotteana</i> Cambess.	Shrub	F	OUPR 23794
<i>Myrcia lutescens</i> Cambess.	Tree	F	BHCB 144300
<i>Myrcia montana</i> Cambess.	Shrub	CR	OUPR 21668
<i>Myrcia mutabilis</i> (O.Berg) N.Silveira	Tree	CR	OUPR 24034
<i>Myrcia obovata</i> (O.Berg) Nied.	Shrub	CR,F	OUPR 4186
<i>Myrcia pubiflora</i> DC.	Subshrub	CR,F	OUPR 21666
<i>Myrcia pulchra</i> (O.Berg) Kiaersk.	Shrub	CR	OUPR 21671
<i>Myrcia retorta</i> Cambess.	Shrub	CR,F	OUPR 1432
<i>Myrcia rufipes</i> DC.	Shrub	F	OUPR 19169
<i>Myrcia splendens</i> (Sw.) DC.	Tree	CR,F	OUPR 3569
<i>Myrcia subalpestris</i> DC.	Tree	F	MBM 227913
<i>Myrcia subcordata</i> DC.	Shrub	CR	OUPR 11332
<i>Myrcia subverticillaris</i> (O. Berg) Kiaersk.	Shrub	CR,F	OUPR 22801
<i>Myrcia tomentosa</i> (Aubl.) DC.	Shrub	F	OUPR 6208
<i>Myrcia vauthieriana</i> O.Berg	Tree	F	OUPR 19172
<i>Myrcia venulosa</i> DC.	Shrub	CR,F	OUPR 22296
<i>Myrciaria floribunda</i> (H. West ex Willd.) O.Berg	Shrub	CR,F	OUPR 24035
<i>Myrciaria glanduliflora</i> (Kiaersk.) Mattos & D.Legrand	Shrub	CR	VIC 20862
<i>Plinia cauliflora</i> (Mart.) Kausel	Tree	F	BHCB (M.O. Büniger 544)
<i>Psidium firmum</i> O.Berg	Shrub	CR	OUPR 22799
<i>Psidium myrtoides</i> O.Berg	Tree	F	BHCB 161191
<i>Psidium robustum</i> O.Berg	Shrub	CR	OUPR 5810
<i>Psidium rufum</i> Mart. ex DC.	Tree	F	OUPR 20248
<i>Siphoneugena crassifolia</i> (DC.) Proença & Sobral	Shrub	F	OUPR 19164
<i>Siphoneugena densiflora</i> O.Berg	Shrub	CR,F	OUPR 19163
<i>Siphoneugena dussii</i> (Krug & Urb.) Proença	Shrub	CR	OUPR 22329
<i>Siphoneugena kiaerskoviana</i> (Burret) Kausel	Tree	CR	RB 276300
<b>Nyctaginaceae</b>			
<i>Guapira opposita</i> (Vell.) Reitz	Shrub	F	OUPR 17709
<i>Guapira tomentosa</i> (Casar.) Lundell	Shrub	CR	OUPR 1412
<i>Neea</i> sp	Shrub	CR	OUPR 17734
<b>Ochnaceae</b>			
<i>Luxemburgia nobilis</i> Eichler ex Engl.	Shrub	CR	OUPR 6730
<i>Luxemburgia octandra</i> A.St.-Hill.	Shrub	CR	OUPR 6816
<i>Ouratea floribunda</i> (A.St.-Hil.) Engl.	Tree	F	OUPR 2265
<i>Ouratea multiflora</i> (Pohl) Engl.	Shrub	CR	RB 60921
<i>Ouratea semiserrata</i> (Mart. & Nees) Engl.	Shrub	CR	OUPR 1372
<i>Sauvagesia erecta</i> L.	Subshrub	CR	OUPR 5695
<i>Sauvagesia vellozii</i> (Vell. ex A.St.-Hil.) Sastre	Subshrub	CR,F	UB 185430
<b>Oleaceae</b>			
<i>Jasminum mesnyi</i> Hance	Shrub	AA	OUPR 19375

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<b>Onagraceae</b>			
<i>Fuchsia coccinea</i> Dryand.	Shrub	CR	RB 50293
<i>Fuchsia regia</i> (Vell.) Munz	Shrub	CR,F	OUPR 1265
<i>Ludwigia anastomosans</i> (DC.) H.Hara	Shrub	CR	OUPR 1243
<i>Ludwigia octovalvis</i> (Jacq.) P.H.Raven	Subshrub	CR,F	NY 1066833
<b>Orchidaceae</b>			
<i>Acianthera prolifera</i> (Herb. ex Lindl.) Pridgeon & M.W.Chase	Herb	CR	OUPR 1444
<i>Acianthera teres</i> (Lindl.) Borba	Herb	CR	OUPR 22796
<i>Anacheilium allemanoides</i> (Hoene) Pabst, Moutinho & A.V.Pinto	Herb	F	OUPR 9621
<i>Bifrenaria aureofulva</i> Lindl.	Herb	F	BHCB 125888
<i>Bifrenaria tyrianthina</i> (Lodd.) Rchb.f.	Herb	CR	OUPR 9623
<i>Cattleya bradei</i> (Pabst) Van den Berg	Herb	CR	OUPR 3940
<i>Cattleya cinnabarina</i> (Bateman ex Lindl.) Van den Berg	Herb	CR	OUPR 7311
<i>Cattleya crispata</i> (Thunb.) Van den Berg	Herb	CR	OUPR 8730
<i>Cattleya longipes</i> (Rchb.f.) Van den Berg	Herb	CR	OUPR 8730
<i>Christensonella subulata</i> (Lindl.) Szlach. et al.	Herb	CR	OUPRPR 20226
<i>Cleistes libonii</i> (Rchb.f.) Schltr.	Herb	CR	OUPR 3943
<i>Cleistes metallina</i> (Barb. Rodr.) Schltr.	Herb	CR	OUPR 15540
<i>Cleistes montana</i> Gardner	Herb	CR	OUPR 1442
<i>Cyrtopodium</i> sp	Herb	CR	OUPR 9056
<i>Dichaea cogniauxiana</i> Schltr.	Herb	CR,F	BHCB 125897
<i>Epidendrum chlorinum</i> Barb.Rodr.	Herb	CR	BHCB 125899
<i>Epidendrum dendrobioides</i> Thunb.	Herb	CR	OUPR 3944
<i>Epidendrum denticulatum</i> Barb. Rodr.	Herb	CR	OUPR 3954
<i>Epidendrum martianum</i> Lindl.	Herb	F	OUPR 20465
<i>Epidendrum rupicolum</i> Cogn.	Herb	CR	OUPR 3951
<i>Epidendrum secundum</i> Jacq.	Herb	CR,F	OUPR 8732
<i>Epidendrum xanthinum</i> Lindl.	Herb	CR,F	OUPR 3937
<i>Epistephium praestans</i> Hoehne	Herb	CR	OUPR 1445
<i>Erythrodes</i> sp	Herb	CR	OUPR 22039
<i>Galeandra junceoides</i> Barb.Rodr.	Herb	CR	BHCB 40137
<i>Gomesa planifolia</i> (Lindl.) Kl. & Rchb.f.	Herb	CR	OUPR 3950
<i>Gomesa ramosa</i> (Lindl.) M.W.Chase & N.H.Williams	Herb	CR	OUPR 3953
<i>Gomesa recurva</i> R.Br.	Herb	CR	OUPR 3950
<i>Gomesa warmingii</i> (Rchb.f.) M.W.Chase & N.H.Williams VU*	Herb	CR	OUPR 3952
<i>Grobya amherstiae</i> Lindl.	Herb	CR	OUPR 3942
<i>Habenaria caldensis</i> Kraenzl.	Herb	CR	OUPR 3938
<i>Habenaria hydrophila</i> Barb.Rodr.	Herb	CR	RB 98594
<i>Habenaria imbricata</i> Lindl.	Herb	CR	BHCB 120315
<i>Habenaria itaculumia</i> Garay CR**	Herb	CR	OUPR 20469
<i>Habenaria parviflora</i> Lindl.	Herb	CR	OUPR 3947
<i>Habenaria petalodes</i> Lindl.	Herb	CR	OUPR 8253
<i>Habenaria rodeiensis</i> Barb.Rodr.	Herb	CR	OUPR 1443
<i>Habenaria rupestris</i> Poepp.& Endl.	Herb	CR	OUPR 22046
<i>Habenaria rupicola</i> Barb.Rodr.	Herb	CR	OUPR 9715
<i>Habenaria secundiflora</i> Barb.Rodr.	Herb	CR	OUPR 14317
<i>Habenaria subviridis</i> Hoehne & Schltr.	Herb	CR	OUPR 3948
<i>Habenaria trifida</i> Kunth	Herb	CR	UB 19884
<i>Habenaria</i> sp	Herb	CR	OUPR 18245
<i>Hadrolaelia brevipedunculata</i> (Cogn.) Chiron & V.P.Castro VU**	Herb	CR	OUPR 13864
<i>Hadrolaelia coccinea</i> (Lindl.) Chiron & V.P.Castro VU*	Herb	CR,F	OUPR 13866
<i>Koellensteinia tricolor</i> (Lindl.) Rchb.f.	Herb	F	OUPR 19293
<i>Malaxis excavata</i> (Lindl.) Kuntze	Herb	F	OUPR 14273
<i>Pelexia oestriifera</i> (Rchb.f. & Warm.) Schltr.	Herb	CR	BHCB 125691
<i>Pelexia</i> sp	Herb	CR	OUPR 1821
<i>Prescottia glazioviana</i> Cogn.	Herb	CR	OUPR 3945
<i>Prescottia montana</i> Barb.Rodr.	Herb	CR	OUPR 3946
<i>Prescottia plantaginifolia</i> Lindl. ex Hook.	Herb	CR	RB 193666

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Prosthechea allemanoides</i> (Hoehne) W.E.Higgins	Herb	CR	BHCB 125925
<i>Prosthechea moojenii</i> (Pabst) W.E.Higgins	Herb	CR	RB 182939
<i>Prosthechea vespa</i> (Vell.) W.E.Higgins	Herb	CR	R 222290
<i>Prosthechea</i> sp	Herb	CR	RB 193659
<i>Scuticaria hadwenii</i> (Lindl.) Planch.	Herb	CR	OUPR 13969
<i>Skeptrostachys congestiflora</i> (Cogn.) Garay	Herb	CR	OUPR 1447
<i>Xylobium foveatum</i> (Lindl.) Nicholson	Herb	CR	OUPR 3941
<i>Zygopetalum brachypetalum</i> Lindl.	Herb	CR	RB 98634
<i>Zygopetalum maculatum</i> (Kunth) Garay	Herb	CR,F	RB 206763
<i>Zygopetalum triste</i> Barb.Rodr.	Herb	CR	RB 193667
<i>Zygopetalum</i> sp	Herb	CR	RB 193664
<b>Orobanchaceae</b>			
<i>Buchnera lavandulacea</i> Cham. & Schltldl.	Subshrub	CR	OUPR 12816
<i>Castilleja arvensis</i> Schltldl. & Cham.	Subshrub	F	OUPR 7747
<i>Escobedia grandiflora</i> (L.f.) Kuntze	Subshrub	CR	OUPR 1320
<i>Esterhazyia macrodonta</i> (Cham.) Benth.	Subshrub	CR	OUPR 1705
<i>Esterhazyia splendida</i> J.C.Mikan	Subshrub	CR	OUPR 13474
<i>Velloziella spathacea</i> (Oliv.) Melch.	Subshrub	CR	OUPR 1269
<b>Passifloraceae</b>			
<i>Passiflora haematostigma</i> Mart. ex Mast.	Liana	CR	OUPR 1416
<i>Passiflora porophylla</i> Vell.	Liana	CR	IAC 53474
<i>Passiflora speciosa</i> Gardner	Liana	F	OUPR 5156
<i>Passiflora villosa</i> Vell.	Liana	CR	OUPR 23350
<i>Passiflora</i> sp	Liana	CR	OUPR 20522
<b>Phyllanthaceae</b>			
<i>Phyllanthus fastigiatus</i> Mart. ex Müll.Arg.	Subshrub	CR	OUPR 20172
<i>Phyllanthus klotzschianus</i> Müll.Arg.	Subshrub	CR	OUPR 1304
<i>Phyllanthus niruri</i> L.	Subshrub	CR	OUPR 6395
<i>Phyllanthus obtusatus</i> (Bilb.) Müll.Arg.	Subshrub	CR	NY 1064830
<i>Phyllanthus roselus</i> (Müll. Arg.) Müll.Arg.	Subshrub	CR	RB 277727
<b>Phytolaccaceae</b>			
<i>Phytolacca thyrsoiflora</i> Fenzl ex J.A.Schmidt	Subshrub	CR,F	OUPR 7467
<b>Pinaceae</b>			
<i>Pinus</i> sp	Tree	F	OUPR 22826
<b>Piperaceae</b>			
<i>Ottonia</i> sp	Shrub	F	OUPR 20256
<i>Peperomia alata</i> Ruiz & Pav.	Subshrub	CR	RB 399012
<i>Peperomia blanda</i> (Jacq.) H.B.K.	Subshrub	F	OUPR 6907
<i>Peperomia cernuum</i> Vell.	Shrub	F	NY 1021340
<i>Peperomia corcovadensis</i> Gardner	Subshrub	CR	BHCB 8246
<i>Peperomia palcipila</i> C.DC.	Subshrub	CR	OUPR 6889
<i>Peperomia subrubripica</i> C.DC.	Subshrub	CR	RB 331623
<i>Peperomia tenella</i> (Sw.) A.Dietr.	Subshrub	CR	RB 54549
<i>Peperomia tetraphylla</i> (G.Forst.) Hook. & Arn.	Subshrub	CR	OUPR 7368
<i>Piper aduncum</i> L.	Shrub	CR	OUPR 20294
<i>Piper baptisianum</i> C.DC.	Shrub	F	OUPR 1496
<i>Piper cernuum</i> Vell.	Shrub	F	UB 113500
<i>Piper coccoloboides</i> (Kunth) Kunth ex C.DC.	Shrub	F	OUPR 18261
<i>Piper corcovadensis</i> (Miq.) C.DC.	Shrub	F	OUPR 1312
<i>Piper crassinervium</i> Kunth	Shrub	F	OUPR 18262
<i>Piper damazii</i> C.DC.	Shrub	F	OUPR 1311
<i>Piper lhotzkyanum</i> Kunth	Shrub	CR	RB 357134
<i>Piper regnellii</i> (Miq.) C.DC.	Shrub	F	OUPR 18260
<i>Piper richardiifolium</i> (Kunth) Kunth ex C.DC.	Subshrub	F	MO 3079243
<i>Piper solmsianum</i> C.DC.	Shrub	CR	RB 54631
<i>Piper tectoniaefolium</i> (Kunth) Kunth ex C.DC.	Shrub	F	RB 331625
<i>Piper umbellatum</i> L.	Shrub	F	OUPR 6909
<i>Piper</i> sp1	Shrub	F	OUPR 1310

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Piper</i> sp2	Shrub	F	OUPR 6774
<i>Piper</i> sp3	Shrub	F	OUPR 20253
<b>Plantaginaceae</b>			
<i>Plantago guilleminiana</i> Decne.	Herb	CR	NY 423565
<i>Plantago tomentosa</i> Lam.	Herb	CR	OUPR 12586
<i>Scoparia dulcis</i> L.	Subshrub	CR	OUPR 25230
<i>Stemodia lobata</i> J.A.Schmidt VU*	Subshrub	CR	OUPR 17291
<i>Stemodia microphylla</i> J.A.Schmidt	Herb	CR	OUPR 17733
<i>Stemodia trifoliata</i> (Link) Rchb.	Subshrub	CR	VIC 54548
<b>Poaceae</b>			
<i>Andropogon bicornis</i> L.	Herb	CR	OUPR 15614
<i>Andropogon ingratus</i> Hack.	Herb	CR	CEN 28917
<i>Andropogon leucostachyus</i> Kunth.	Herb	CR	OUPR 22791
<i>Andropogon ternatus</i> (Spreng.) Nees	Herb	CR	MBM 45496
<i>Andropogon virgatus</i> Desv. ex Ham.	Herb	CR	OUPR 20463
<i>Andropogon virginicum</i> (L.) Spreng.	Herb	CR	OUPR 1498
<i>Apochloa chnoodes</i> (Trin.) Zuloaga & Morrone	Herb	CR	BHCB 72595
<i>Apochloa lorea</i> (Trin.) Zuloaga & Morrone	Herb	CR	OUPR 17748
<i>Apochloa molinioides</i> (Trin.) Zuloaga & Morrone	Herb	CR	NY 381729
<i>Apochloa poliophylla</i> (Renvoize & Zuloaga) Zuloaga & Morrone	Herb	CR	OUPR 7291
<i>Aristida recurvata</i> Kunth	Herb	CR	NY 861291
<i>Aristida torta</i> (Nees) Kunth	Herb	CR	OUPR 17149
<i>Aulonemia</i> sp	Herb	CR	UEC 171751
<i>Axonopus aureus</i> P.Beauv.	Herb	CR	MO 861610
<i>Axonopus fissifolius</i> (Raddi) Kuhlman.	Herb	CR	NY 861744
<i>Axonopus pellitus</i> (Nees ex Trin.) Hitchc. & Chase	Herb	CR	OUPR 15600
<i>Axonopus polystachyus</i> G.A.Black	Herb	CR	MO 1577833
<i>Axonopus pressus</i> (Nees ex Steud.) Parodi	Herb	CR	OUPR 15599
<i>Axonopus siccus</i> (Nees) Kuhlman.	Herb	CR	OUPR 20177
<i>Axonopus</i> sp	Herb	CR	OUPR 15599
<i>Cenchrus polystachios</i> (L.) Morrone	Herb	CR	OUPR 1501
<i>Chascolytrum calothea</i> (Trin.) Essi, Longhi-Wagner & Souza-Chies	Herb	CR	OUPR 15956
<i>Chusquea attenuata</i> (Döll) L.G.Clark EN**	Herb	CR	MBM 27517
<i>Chusquea mutans</i> L.G.Clark	Herb	CR	OUPR 16241
<i>Chusquea pinifolia</i> (Nees) Nees	Herb	CR	BHCB 8211
<i>Colantheria</i> sp	Herb	CR	BHCB 107925
<i>Danthonia</i> sp	Herb	CR	OUPR 16613
<i>Dichantherium sabulorum</i> (Lam.) Gould & C.A.Clark	Herb	CR	MO 1919711
<i>Dichantherium sciurotooides</i> (Zuloaga & Morrone) Davidse	Herb	F	OUPR 6763
<i>Dichantherium stigmatum</i> (Trin.) Zuloaga	Herb	F	BHCB 133922
<i>Dichantherium superatum</i> (Hack.) Zuloaga	Herb	F	NY 864620
<i>Digitaria hololeuca</i> Henrard	Herb	CR	UB 14109
<i>Digitaria insularis</i> (L.) Mez ex Ekman	Herb	CR	OUPR 16608
<i>Digitaria pampinosa</i> Henrard EN**	Herb	CR	NY 862167
<i>Digitaria sejuncta</i> (Hack. ex Pilg.) Henrard	Herb	CR	NY 862170
<i>Echinochloa crusgalli</i> (L.) P.Beauv.	Herb	CR	OUPR 15952
<i>Echinolaena inflexa</i> (Poir.) Chase	Herb	CR	OUPR 16612
<i>Elionurus muticus</i> (Spreng.) Kuntze	Herb	CR	MBM 27827
<i>Eragrostis articulata</i> (Schränk) Nees	Herb	CR	NY 862503
<i>Eragrostis pilosa</i> (L.) P.Beauv.	Herb	CR	OUPR 1497
<i>Eragrostis rufescens</i> Schrad. ex Schult.	Herb	CR	OUPR 12768
<i>Eragrostis solida</i> Nees	Herb	CR	OUPR 22785
<i>Eriochrysis holcoides</i> (Nees) Kuhlman.	Herb	CR	OUPR 13512
<i>Eriochrysis</i> sp	Herb	CR	BHCB 721
<i>Ichnanthus bambusiflorus</i> (Trin.) Döll	Herb	CR	OUPR 10775
<i>Ichnanthus calvescens</i> (Nees ex Trin.) Döll	Herb	CR	OUPR 20228
<i>Ichnanthus pallens</i> (Sw.) Munro ex Benth.	Herb	CR	OUPR 6764
<i>Isachne</i> sp	Herb	CR	OUPR 17559



Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Melinis minutiflora</i> P.Beauv.	Herb	CR	OUPR 15615
<i>Merostachys fischeriana</i> Rupr. ex Döll	Herb	CR,F	HUEFS 147721
<i>Merostachys</i> sp	Herb	F	OUPR 24844
<i>Mesosetum ferrugineum</i> (Trin.) Chase	Herb	CR	OUPR 14124
<i>Otachyrium versicolor</i> (Döll) Henrard	Herb	CR	OUPR 22782
<i>Panicum campestre</i> Nees ex Trin.	Herb	CR	NY 863761
<i>Panicum sellowii</i> Nees	Herb	F	OUPR 6762
<i>Parodioyria micrantha</i> (Kunth) Davidse & Zuloaga	Herb	F	OUPR 1499
<i>Paspalum conjugatum</i> P.J.Bergius	Herb	CR	NY 862363
<i>Paspalum coryphaeum</i> Trin.	Herb	CR	OUPR 23303
<i>Paspalum eucomum</i> Nees ex Trin.	Herb	CR	OUPR 15612
<i>Paspalum glaucescens</i> Hack.	Herb	CR	MO 2969469
<i>Paspalum hyalinum</i> Nees ex Trin.	Herb	CR	OUPR 22784
<i>Paspalum juergensii</i> Hack.	Herb	CR	SP 199550
<i>Paspalum mandiocanum</i> Trin.	Herb	CR	MO 2972192
<i>Paspalum multicaule</i> Poir	Herb	CR	OUPR 22784
<i>Paspalum pilosum</i> Lam.	Herb	CR	OUPR 22790
<i>Paspalum polyphyllum</i> Nees ex Trin.	Herb	CR	OUPR 12819
<i>Paspalum pumilum</i> Nees	Herb	CR	NY 895924
<i>Paspalum thrasyoides</i> (Trin.) S.Denham	Herb	CR	MBM 27480
<i>Paspalum</i> sp	Herb	CR	OUPR 22793
<i>Pseudechinolaena polystachya</i> (Kunth) Stapf	Herb	F	OUPR 6762
<i>Rugoloa pilosa</i> (Sw.) Zuloaga	Herb	CR,F	OUPR 7270
<i>Schizachyrium sanguineum</i> (Retz.) Alston	Herb	CR	OUPR 22786
<i>Schizachyrium tenerum</i> Nees	Herb	CR	OUPR 22787
<i>Setaria parviflora</i> (Poir.) M.Kerguelen	Herb	CR	MO 2985867
<i>Setaria tenacissima</i> Schrad.	Herb	CR	NY 906251
<i>Sporobolus ciliatus</i> J.Presl	Herb	CR	RB 239283
<i>Sporobolus piliferus</i> (Trin.) Kunth	Herb	CR	NY 896366
<i>Steinchisma laxum</i> (Sw.) Zuloaga	Herb	CR	NY 863853
<i>Trichantheicum cyanescens</i> (Nees ex Trin.) Zuloaga & Morrone	Herb	CR	OUPR 15621
<i>Trichantheicum pseudisachne</i> (Mez) Zuloaga & Morrone	Herb	CR	OUPR 22789
<i>Trichantheicum wettsteinii</i> (Hack.) Zuloaga & Morrone	Herb	CR	OUPR 22783
<b>Polygalaceae</b>			
<i>Asemeia monninoidea</i> (Kunth) J.F.B.Pastore & J.R.Abbott	Subshrub	CR	RB 398973
<i>Asemeia violacea</i> (Aubl.) F.B.Pastore & J.R.Abbott	Subshrub	CR	OUPR 13589
<i>Caamembeca laureola</i> (A.St.-Hil. & Moq.) J.F.B.Pastore	Subshrub	CR	NY 634708
<i>Caamembeca oxyphylla</i> (DC.) J.F.B.Pastore	Subshrub	CR	OUPR 1246
<i>Polygala cuspidata</i> DC.	Subshrub	CR	BHCB 8271
<i>Polygala glochidiata</i> Kunth	Subshrub	CR	BHCB 122262
<i>Polygala paniculata</i> L.	Subshrub	CR	OUPR 13595
<i>Polygala timoutou</i> Aubl.	Subshrub	CR	OUPR 13601
<b>Polygonaceae</b>			
<i>Fallopia convolvulus</i> (L.) A.Löve	Subshrub	CR	OUPR 7765
<i>Homalocladium platycladum</i> (F. Muell.) L.H.Bailey	Subshrub	CR	OUPR 9076
<i>Persicaria capitata</i> (Buch.-Ham. ex D.Don) H.Gros	Subshrub	AA	OUPR 19311
<i>Persicaria hydropiperoides</i> (Michx.) Small	Subshrub	CR	NY 863998
<i>Persicaria meisneriana</i> (Cham. & Schltdl.) M.Gómez	Subshrub	CR	BHCB 8288
<b>Portulacaceae</b>			
<i>Portulaca mucronata</i> Link	Subshrub	AA	NY 3413603
<b>Primulaceae</b>			
<i>Ardisia solanacea</i> (Poir.) Roxb.	Subshrub	CR	OUPR 20271
<i>Cybianthus itacolomyensis</i> M.Lisboa & Badini	Shrub	F	OUPR 5856
<i>Lysimachia arvensis</i> (L.) U.Manns & Anderb.	Subshrub	AA	OUPR 6376
<i>Myrsine congesta</i> (Sw.) Pipoly <b>EN**</b>	Shrub	F	RB 39981
<i>Myrsine coriacea</i> (Sw.) R.Br. ex Roem. & Schult.	Shrub	F	OUPR 1315
<i>Myrsine emarginella</i> Miq.	Shrub	CR	RB 380828
<i>Myrsine gardneriana</i> A.DC.	Tree	F	OUPR 19154

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Myrsine lancifolia</i> Mart.	Shrub	CR	OUPR 12581
<i>Myrsine lineata</i> (Mez) Imkhan.	Tree	F	RB 277645
<i>Myrsine squarrosa</i> (Mez) M.F.Freitas & Kin.-Gouv.	Shrub	CR	OUPR 1484
<i>Myrsine umbellata</i> Mart.	Shrub	CR,F	OUPR 1399
<i>Myrsine villosissima</i> Mart. EN**	Shrub	F	OUPR 5555
<b>Proteaceae</b>			
<i>Euplassa rufa</i> (Loes.) Sleumer	Shrub	F	OUPR 25098
<i>Panopsis multiflora</i> (Schott ex Spreng.) Ducke EN*	Tree	F	OUPR 1249
<i>Roupala montana</i> Aubl. var. <i>montana</i>	Shrub	CR	OUPR 1314
<i>Roupala montana</i> var. <i>brasiliensis</i> (Klotzsch) K.S.Edwards	Tree	F	OUPR 13429
<b>Ranunculaceae</b>			
<i>Clematis dioica</i> L.	Liana	F	OUPR 1355
<b>Rhamnaceae</b>			
<i>Crumenaria</i> sp	Subshrub	CR	BHCB 41485
<i>Reissekia smilacina</i> (Sm.) Steud.	Liana	F	OUPR 20272
<b>Rosaceae</b>			
<i>Eriobotrya japonica</i> (Thunb.) Lindl.	Tree	AA	OUPR 19309
<i>Pirus communis</i> L.	Tree	AA	OUPR 7479
<i>Prunus sellowii</i> Koehne	Tree	F	NY 922649
<i>Rubus brasiliensis</i> Mart.	Shrub	F	OUPR 1373
<i>Rubus erythrocladus</i> Mart. ex Hook.f.	Shrub	F	OUPR 1873
<i>Rubus rosifolius</i> Sm.	Subshrub	AA	OUPR 12585
<b>Rubiaceae</b>			
<i>Amaioua guianensis</i> Aubl.	Tree	F	BHCB 41498
<i>Augusta longifolia</i> (Spreng.) Rehder	Shrub	CR	OUPR 17752
<i>Bathysa australis</i> (A.St.-Hil.) K.Schum.	Shrub	F	OUPR 19289
<i>Bathysa cuspidata</i> (A.St.-Hil.) Hook.f. ex K.Schum.	Shrub	F	OUPR 1356
<i>Borreria capitata</i> (Ruiz & Pav.) DC.	Subshrub	CR	OUPR 12796
<i>Borreria verticillata</i> (L.) G.Mey.	Subshrub	AA,CR	OUPR 1250
<i>Coccocypselum aureum</i> (Spreng.) Cham. & Schldtl.	Subshrub	CR,F	OUPR 6792
<i>Coccocypselum erythrocephalum</i> Cham. & Schldtl.	Subshrub	CR,F	OUPR 6792
<i>Coccocypselum lanceolatum</i> (Ruiz & Pav.) Pers.	Subshrub	F	RB 526340
<i>Coccocypselum pedunculare</i> Cham. & Schldtl.	Subshrub	CR	RB 324887
<i>Coccocypselum</i> sp	Subshrub	F	OUPR 23254
<i>Cordia concolor</i> (Cham.) Kuntze	Tree	F	IAC 52606
<i>Cordia elliptica</i> (Cham.) Kuntze	Tree	F	OUPR 19173
<i>Coussarea nodosa</i> (Benth.) Müll.Arg.	Shrub	F	NY 396634
<i>Coussarea</i> sp	Tree	F	OUPR 19174
<i>Declieuxia fruticosa</i> (Will. ex Roem. & Schult.) Kuntze	Subshrub	CR	RB 190168
<i>Diodia saponariifolia</i> (Cham. & Schldtl.) K.Schum.	Subshrub	CR	NY397199
<i>Emmeorhiza umbellata</i> (Spreng.) K.Schum.	Subshrub	CR	BHCB 41487
<i>Galianthe brasiliensis</i> (Spreng.) E.L.Cabral & Bacigalupo	Subshrub	CR	NY 950040
<i>Galianthe verbenoides</i> (Cham. & Schldtl.) Griseb.	Subshrub	CR	OUPR 19379
<i>Galium hirtum</i> Lam.	Subshrub	CR	OUPR 19385
<i>Galium hypocarpium</i> (L.) Endl. ex Griseb. subsp. <i>hypocarpium</i>	Subshrub	CR	OUPR 1483
<i>Galium noxium</i> (A.St.-Hil.) Dempster	Subshrub	CR	SP 140254
<i>Galium sellowianum</i> (Cham.) Walp.	Subshrub	CR	OUPR 19383
<i>Galium</i> sp	Subshrub	CR	RB 318466
<i>Hillia parasitica</i> Jacq.	Shrub	CR	RB 318466
<i>Ixora brevifolia</i> Benth.	Shrub	CR	RB 110957
<i>Manettia luteorubra</i> (Vell.) Benth.	Liana	CR	OUPR 1285
<i>Palicourea marcgravii</i> A.St.-Hil.	Shrub	F	OUPR 1402
<i>Palicourea tetraphylla</i> Cham. & Schldtl.	Subshrub	F	OUPR 1262
<i>Posoqueria acutifolia</i> Mart.	Shrub	CR	OUPR 19384
<i>Posoqueria latifolia</i> (Rudge) Schult.	Shrub	CR,F	OUPR 19382
<i>Psychotria hispidula</i> Standl. ex Steyerm.	Shrub	CR	OUPR 19380
<i>Psychotria paludosa</i> Müll.Arg. EN**	Subshrub	F	OUPR 7395
<i>Psychotria purpurascens</i> Müll.Arg.	Shrub	F	BHCB 41496

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Psychotria sessilis</i> Vell.	Shrub	CR	RB 324889
<i>Psychotria stachyoides</i> Benth.	Subshrub	F	UEFS 35882
<i>Psychotria subtriflora</i> Müll.Arg.	Shrub	F	RB 324891
<i>Psychotria vellosiana</i> Benth.	Tree	F	OUPR 19175
<i>Psychotria</i> sp1	Shrub	F	OUPR 6765
<i>Psychotria</i> sp2	Shrub	F	RB 40224
<i>Psyllocarpus laricooides</i> Mart. & Zucc.	Subshrub	CR	OUPR 7285
<i>Remijia ferruginea</i> (A.St.-Hil.) DC.	Shrub	CR	OUPR 8333
<i>Rudgea nodosa</i> (Cham.) Benth.	Shrub	F	RB 324880
<i>Rudgea sessilis</i> (Vell.) Müll.Arg. <b>EN**</b>	Shrub	CR	OUPR 1317
<b>Rutaceae</b>			
<i>Dictyoloma vandellianum</i> A.Juss.	Tree	F	OUPR 1763
<i>Zanthoxylum rhoifolium</i> Lam.	Tree	F	OUPR 2274
<b>Salicaceae</b>			
<i>Abatia americana</i> (Gardner) Eichler	Shrub	CR,F	OUPR 13612
<i>Casearia arborea</i> (Rich.) Urb.	Shrub	CR	OUPR 9078
<i>Casearia lasiophylla</i> Eichler	Tree	CR	OUPR 15311
<i>Casearia seloana</i> Eichler	Shrub	CR,F	OUPR 6424
<i>Casearia sylvestris</i> Sw.	Tree	F	OUPR 8049
<i>Xylosma serrata</i> (Sw.) Krug & Urb.	Shrub	CR	OUPR 5155
<b>Sapindaceae</b>			
<i>Cupania emarginata</i> Cambess.	Tree	F	OUPR 1368
<i>Cupania vernalis</i> Cambess.	Tree	F	OUPR 1487
<i>Matayba marginata</i> Radlk.	Shrub	CR	OUPR 8344
<i>Paullinia carpopoda</i> Cambess.	Liana	CR,F	OUPR 1438
<i>Serjania elegans</i> Cambess.	Liana	F	OUPR 1254
<i>Serjania fuscifolia</i> Radlk.	Liana	F	OUPR 1388
<i>Serjania</i> sp	Liana	F	OUPR 4804
<b>Sapotaceae</b>			
<i>Sarcaulus brasiliensis</i> (A.DC.) Eyma	Tree	CR,F	OUPR 22774
<b>Scrophulariaceae</b>			
<i>Buddleja brasiliensis</i> J.Jacq.	Subshrub	CR	OUPR 19312
<b>Siparunaceae</b>			
<i>Siparuna arianeae</i> V.Pereira	Shrub	F	OUPR 18915
<i>Siparuna brasiliensis</i> (Spreng.) A.DC.	Shrub	F	OUPR 1316
<i>Siparuna guianensis</i> Aubl.	Shrub	F	OUPR 20285
<b>Smilacaceae</b>			
<i>Smilax elastica</i> Griseb.	Liana	F	RB 409613
<i>Smilax oblongifolia</i> Pohl ex Griseb.	Liana	CR	OUPR 16579
<i>Smilax quinquenervia</i> Vell.	Liana	CR	OUPR 5776
<i>Smilax</i> sp1	Liana	CR	OUPR 9444
<i>Smilax</i> sp2	Liana	F	OUPR 9974
<b>Solanaceae</b>			
<i>Acnistus arborescens</i> (L.) Schldl.	Tree	F	OUPR 7376
<i>Aureliana brasiliana</i> (Hunz.) Barboza & Hunz.	Tree	F	OUPR 25103
<i>Aureliana fasciculata</i> (Vell.) Sendtn.	Shrub	F	OUPR 20213
<i>Aureliana picta</i> (Mart.) I.M.C.Rodrigues & Stehmann.	Shrub	CR,F	OUPR 23971
<i>Aureliana velutina</i> Sendtn.	Shrub	CR,F	OUPR 25141
<i>Browallia americana</i> L.	Subshrub	AA	OUPR 24835
<i>Brunfelsia brasiliensis</i> (Spreng.) L.B.Sm. & Downs	Shrub	CR,F	OUPR 25118
<i>Brunfelsia hydrangeiformis</i> (Pohl) Benth.	Shrub	F	OUPR 25687
<i>Brunfelsia uniflora</i> (Pohl) D.Don	Shrub	F	OUPR 10426
<i>Capsicum schottianum</i> Sendtn.	Shrub	CR,F	OUPR 24870
<i>Capsicum</i> sp	Shrub	CR,F	OUPR 25113
<i>Cestrum bracteatum</i> Link & Otto	Shrub	CR,F	OUPR 25138
<i>Cestrum schlechtendahlia</i> G.Don	Shrub	F	OUPR 25300
<i>Dyssonchroa viridiflora</i> (Sims) Miers	Shrub	CR,F	OUPR 25114
<i>Nicotiana alata</i> Link & Otto	Subshrub	AA	MBM 233808

Table 1. Continued...

Family / Species	Habit	Habitat	Voucher
<i>Nicotiana bonariensis</i> Lehm.	Subshrub	CR	OUPR 25602
<i>Nicotiana langsdorfii</i> Weinm.	Subshrub	AA	OUPR 24834
<i>Physalis pubescens</i> L.	Subshrub	AA	OUPR 24898
<i>Schwenckia americana</i> Rooyen ex L.	Subshrub	CR,F	OUPR 24945
<i>Solanum americanum</i> Mill.	Subshrub	CR,F	OUPR 25140
<i>Solanum argenteum</i> Dunal	Shrub	CR,F	OUPR 25088
<i>Solanum campaniforme</i> Roem. & Schult.	Shrub	F	OUPR 25219
<i>Solanum cernuum</i> Vell.	Shrub	F	OUPR 25194
<i>Solanum cinnamomeum</i> Sendtn.	Tree	F	OUPR 24854
<i>Solanum cladotrichum</i> Dunal	Tree	CR,F	OUPR 20085
<i>Solanum granulosoleprosum</i> Dunal	Tree	CR,F	OUPR 25086
<i>Solanum inodorum</i> Vell.	Liana	F	OUPR 25212
<i>Solanum intermedium</i> Sendtn.	Shrub	CR,F	OUPR 25083
<i>Solanum leptostachys</i> Dunal	Shrub	CR,F	OUPR 24796
<i>Solanum luridifuscescens</i> Bitter	Shrub	F	OUPR 25589
<i>Solanum lycocarpum</i> A.St.-Hil.	Shrub	CR,F	OUPR 25192
<i>Solanum palinacanthum</i> Dunal	Shrub	AA	OUPR 22863
<i>Solanum paniculatum</i> L.	Shrub	AA,CR	OUPR 24897
<i>Solanum pseudocapsicum</i> L.	Subshrub	F	OUPR 25590
<i>Solanum pseudoquina</i> A.St.-Hil.	Tree	F	OUPR 24860
<i>Solanum refractifolium</i> Schlttdl.	Subshrub	CR	OUPR 25076
<i>Solanum reptans</i> Bunbury	Subshrub	CR	OUPR 24869
<i>Solanum sisymbriifolium</i> Lam.	Subshrub	F	OUPR 4809
<i>Solanum subumbellatum</i> Vell.	Shrub	CR	OUPR 24941
<i>Solanum swartzianum</i> Roem. & Schult.	Tree	CR,F	OUPR 25139
<i>Solanum vaillantii</i> Dunal	Shrub	CR,F	OUPR 24861
<i>Solanum velleum</i> Thunb.	Tree	CR,F	OUPR 25122
<i>Solanum viarum</i> Dunal	Shrub	F	OUPR 25100
<i>Solanum viscosissimum</i> Sendtn. EN**	Liana	F	OUPR 4806
<b>Styracaceae</b>			
<i>Styrax aureus</i> Mart.	Tree	CR	OUPR 9080
<i>Styrax ferrugineus</i> Nees & Mart.	Tree	CR	UB 157565
<i>Styrax latifolius</i> Pohl	Tree	CR	OUPR 19464
<i>Styrax maninul</i> B.Walln. VU*	Shrub	CR,F	OUPR 24626
<b>Symplocaceae</b>			
<i>Symplocos arbutifolia</i> Casar	Shrub	CR,F	OUPR 24966
<i>Symplocos celastrinea</i> Mart.	Shrub	F	OUPR 19308
<i>Symplocos falcata</i> Brand	Tree	F	OUPR 21357
<b>Theaceae</b>			
<i>Camellia sinensis</i> (L.) Kuntze.	Shrub	CR,F	OUPR 1364
<i>Laplacea fruticosa</i> (Schrad.) Kobuski	Tree	F	OUPR 12210
<b>Thymelaeaceae</b>			
<i>Daphnopsis brasiliensis</i> Mart.	Shrub	F	OUPR 13423
<b>Trigoniaceae</b>			
<i>Trigonia paniculata</i> Warm.	Liana	F	OUPR 7269
<b>Urticaceae</b>			
<i>Boehmeria</i> sp	Subshrub	F	OUPR 19292
<i>Cecropia hololeuca</i> Miq.	Tree	F	OUPR 29493
<i>Cecropia pachystachya</i> Trécul	Tree	F	OUPR 7426
<i>Urera baccifera</i> (L.) Gaudich. ex Wedd.	Shrub	F	OUPR 1362
<b>Velloziaceae</b>			
<i>Barbacenia damaziana</i> Beauverd	Herb	CR	OUPR 3627
<i>Barbacenia flava</i> Mart. ex Schult. & Schult.f.	Herb	CR	OUPR 19297
<i>Barbacenia tomentosa</i> Mart.	Herb	CR	OUPR 3264
<i>Vellozia compacta</i> Mart. ex Schult. & Schult.f.	Subshrub	CR	OUPR 1382
<i>Vellozia graminea</i> Pohl	Herb	CR	OUPR 3626
<i>Vellozia hirsuta</i> Goethart & Henrard	Herb	CR	RB 190101
<i>Vellozia</i> sp	Subshrub	CR	OUPR 1383

Table 1. Continued...

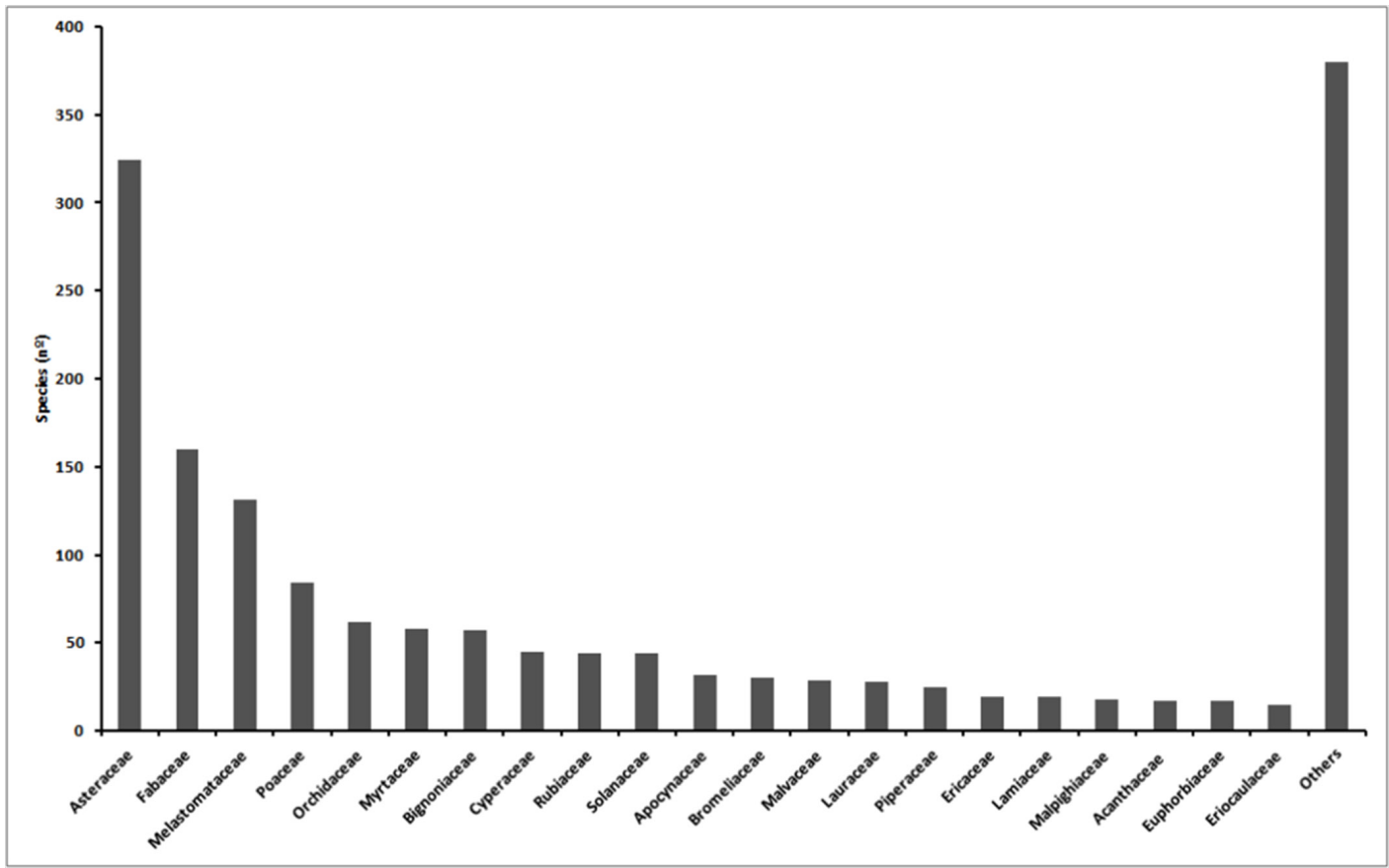
Family / Species	Habit	Habitat	Voucher
<b>Verbenaceae</b>			
<i>Lantana camara</i> L.	Shrub	CR	OUPR 6803
<i>Lantana fucata</i> Lindl.	Subshrub	CR	OUPR 19376
<i>Lantana trifolia</i> L.	Subshrub	CR	OUPR 23691
<i>Lantana</i> sp	Shrub	F	OUPR 20293
<i>Lippia hermannioides</i> Cham.	Shrub	CR	OUPR 15534
<i>Stachytarpheta cayennensis</i> (Rich.) Vahl	Subshrub	CR	OUPR 12580
<i>Stachytarpheta commutata</i> Schauer	Subshrub	CR	OUPR 7398
<i>Stachytarpheta glabra</i> Cham.	Subshrub	CR	OUPR 20180
<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Subshrub	CR	OUPR 20295
<i>Stachytarpheta mexiae</i> Moldenke	Shrub	CR	RB 98723
<i>Verbena litoralis</i> Kunth	Subshrub	CR	NY 956732
<b>Violaceae</b>			
<i>Anchietea exaltata</i> Eichler	Liana	F	OUPR 19300
<i>Anchietea pyrifolia</i> (Mart.) G.Don	Liana	F	OUPR 8248
<i>Viola subdimidiata</i> A.St.-Hil.	Subshrub	F	OUPR 23469
<b>Vitaceae</b>			
<i>Cissus verticillata</i> (L.) Nicolson & C.E. Jarvis	Liana	CR	OUPR 9092
<b>Vochysiaceae</b>			
<i>Qualea lundii</i> (Warm.) Warm.	Tree	F	OUPR 21356
<i>Vochysia dasyantha</i> Warm.	Tree	F	OUPR 4818
<i>Vochysia emarginata</i> (Vahl) Poir.	Shrub	CR	OUPR 7793
<i>Vochysia rectiflora</i> Warm.	Tree	F	OUPR 19343
<i>Vochysia thyrsoidea</i> Pohl	Tree	F	OUPR 1261
<i>Vochysia tucanorum</i> Mart.	Tree	CR,F	OUPR 19176
<b>Winteraceae</b>			
<i>Drimys angustifolia</i> Miers	Shrub	F	MBM 264545
<i>Drimys brasiliensis</i> Miers	Shrub	F	OUPR 6798
<i>Drimys winteri</i> J.R.Forst. & G.Forst.	Tree	F	OUPR 9093
<b>Xyridaceae</b>			
<i>Xyris asperula</i> Mart.	Herb	CR	OUPR 1485
<i>Xyris augusto-coburgii</i> Szyszyl. ex Beck	Herb	CR	OUPR 14470
<i>Xyris graminosa</i> Pohl ex Mart.	Herb	CR	OUPR 15954
<i>Xyris hymenachne</i> Mart.	Herb	CR	RB 277721
<i>Xyris macrocephala</i> Vahl	Herb	CR	OUPR 20230
<i>Xyris peregrina</i> Malme	Herb	CR	OUPR 20459
<i>Xyris plantaginea</i> Mart.	Herb	CR	OUPR 20468
<i>Xyris schizachne</i> Mart.	Herb	CR	RB 275396
<i>Xyris teres</i> Alb.Nilsson	Herb	CR	OUPR 17290
<i>Xyris trachyphylla</i> Mart.	Herb	CR	OUPR 4453
<i>Xyris</i> sp1	Herb	CR	OUPR 16393
<i>Xyris</i> sp2	Herb	CR	OUPR 20461
<b>Zingiberaceae</b>			
<i>Hedychium coronarium</i> J. König	Herb	CR	OUPR 22339

The families with higher species richness were Asteraceae (323), Fabaceae (154), Melastomataceae (131), Poaceae (84), Orchidaceae (62), Myrtaceae (58) and Bignoniaceae (57), represent more than 75% of the total sampled species (Figure 2). The richness of these families was also reported in other *campos rupestres* (Harley & Simmons 1986, Giulietti et al. 1987, 1997, Pirani et al. 1994, Conceição & Giulietti 2002, Conceição & Pirani 2005, Jacobi & Carmo 2012, Messias et al. 2012, Forzza et al. 2013). Fabaceae, Myrtaceae, Melastomataceae and Asteraceae are also species-rich families in Espinhaço Range forests (Kamino et al. 2008). However, comparing with the data presented by these authors, Bignoniaceae and Solanaceae presented higher tree species richness in ISP than in other

Espinhaço Range forests. Almeida et al. (2014) studying Asteraceae of ISP, described three new species and considered this Park as the richest Brazilian one for Asteraceae. Many families (29) are represented by only one species, what has been reported in other surveys along the Espinhaço Range (Giulietti et al. 1987, 1997, Pirani et al. 1994, 2003).

The *campos rupestres* represent 51% of the total area, followed by the forest with 40% and anthropogenic disturbed areas with 9% (Figure 1). The vegetation seems to be closely associated with geology, geomorphology, depth and moisture of the soil, as well as the degree of anthropogenic impact, resulting in a variety of different physiognomies (Figure 3), similarly to other montane areas (Benites et al. 2007; Schaefer et al. 2016). The *campos*





**Figure 2.** Fanerogamic species-richest families in the Itacolomi State Park, Ouro Preto and Mariana, Minas Gerais, Brazil.

*rupestres* occur in the highest parts of the ISP, always higher than 1000m, and the forests mostly in the lower ones, from 700m to 1300m, usually along streams and slopes with deeper soil.

The forests at Itacolomi State Park have the same pattern of the forests along the Espinhaço Range (Harley 1995), varying considerably both in composition and structure in response to the geo-climatic conditions, often resulting in a large heterogeneity of patterns, even in a relatively small area. Thus, as described by Kamino et al. (2008), a riparian forest on the valleys may be evergreen, while the adjacent forest on the slope is semideciduous. In fact, Pedreira & Sousa (2011) described a swampy evergreen forest patch in Itacolomi State Park, surrounded by semideciduous forests, with well-drained soils. In spite of the existence of this small scale variation in Itacolomi State Park forest fragments, they were only characterized in this work by the general feature as “montane forest”.

Forest ecosystems with striking seasonality of rainfall or low soil water retention often drive high proportions of deciduous and semideciduous species in their communities (Reich & Borchert 1984, Lenza & Klink 2006). However, the fog events, common in the studied area, may favor the coexistence of species with different phenological strategies (Valim et al. 2013). Thus, care must be taken when generalizing the terminology “seasonal semideciduous forests” (Scolforo et al. 2008) for the forest of this park and similar surrounding areas.

The greatest species richness occurs in *campos rupestres* (almost 70%), with 61% of species occurring exclusively in this phytophysognomy. The *campo rupestre* is a very old mountaintop ecosystem, being a museum of ancient lineages as well as a cradle of continuing diversification of endemic lineages (Silveira et al. 2016). The astonishing species richness found in the *campos rupestres* is favoured by the high environmental

diversity, wide latitudinal and altitudinal range, isolation and influence of different vegetation domains (Giulietti et al. 1997, Jacobi et al. 2007, Silveira et al. 2016).

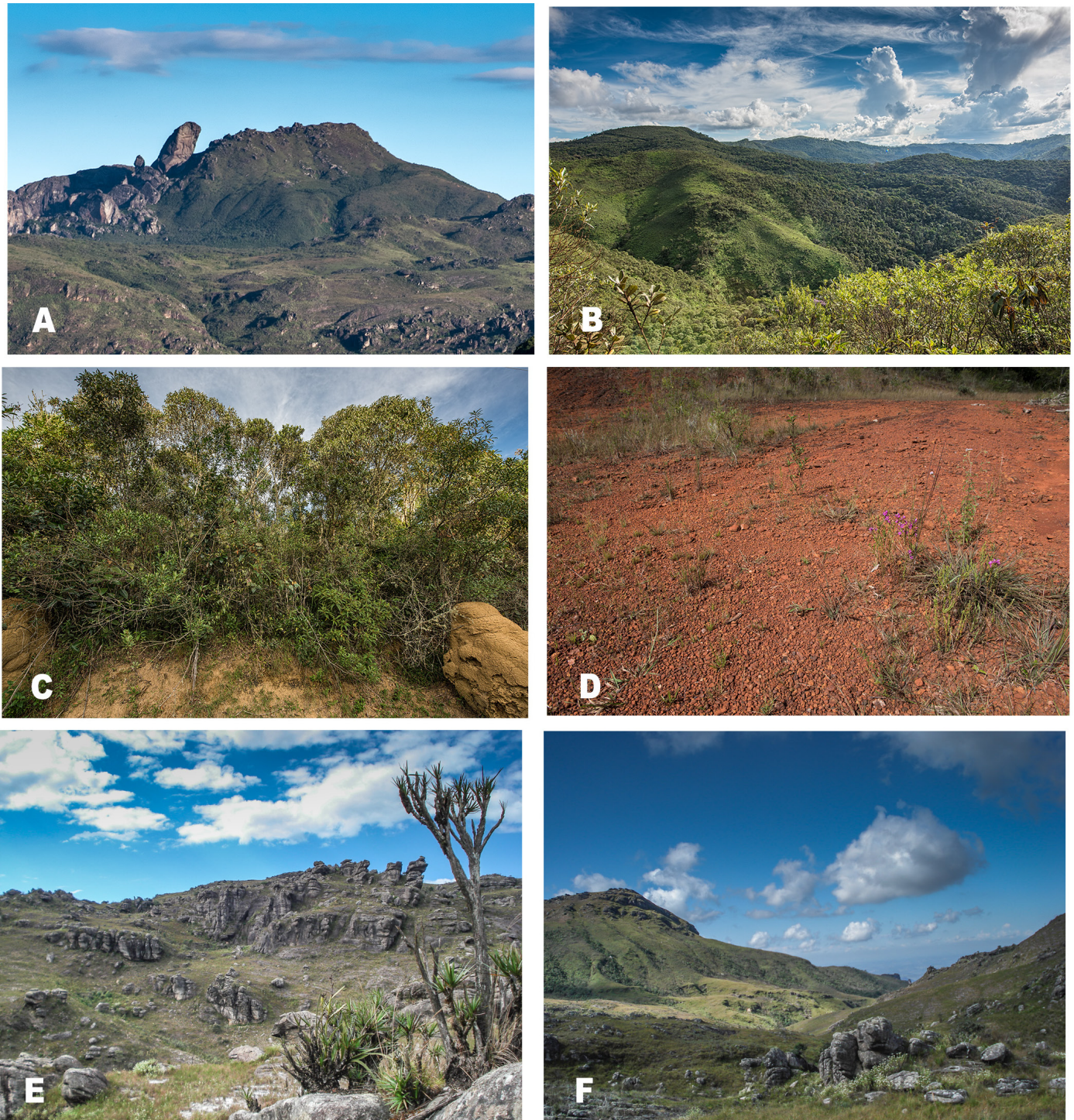
The forests house about 36% of the species and 7% of the species occur in both physiognomies (forest and *campos rupestres*) like *Eremanthus erythropappus*, *Schinus terebinthifolius*, *Clethra scabra*, *Vochysia tucanorum*, among others. Some species occur just in anthropogenic disturbed areas (1.8%) (Table 1, Figure 4). Some species found in the forests like *Hedyosmum brasiliense*, *Laplacea fructicosa*, *Drimys brasiliensis*, *Weinmamania pauliniiflora* and *Ocotea percoriacea* are typical of Brazilian montane forests (CRIA 2016).

The subshrubs represented 30% of the species, followed by shrubs (25%), herbs (19%), trees (13%), lianas (12%) and few palms and epiphytes (Figure 5). Shrubby species occur in both forest and *campos rupestres*, explaining the higher richness of this habit. In addition, the southern portion of the Espinhaço Range is more strongly influenced by the Atlantic Forest than the central/northern parts, leading to a higher proportion of phanerophytic species in *campos rupestres* (Echternacht et al. 2011). Most of the herbs occur in *campos rupestres*, mainly from Poaceae and Orchidaceae families. The epiphytes seem to be sub sampled since the montane forests of the region are reported as having a greater richness of this life-form (Ferreira, 2011).

Some parts of the forest are mono-dominated by *Eremanthus erythropappus*, known locally as *candéal*, similar to the other areas of Espinhaço Range (Oliveira-Filho & Fluminhan-Filho 1999, Kamino et al. 2008). Most of these areas are in primary succession after fire occurrence.

The environmental impact in the ISP region dates back to the early seventeenth century, with gold mining. Later, with the decline of gold





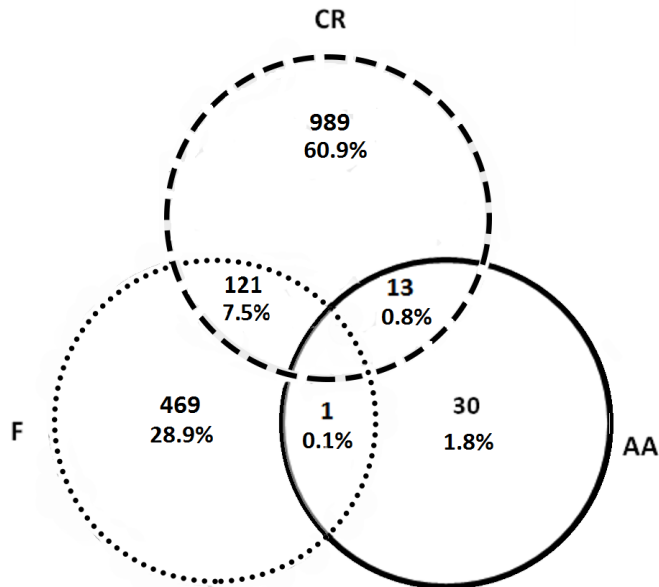
**Figure 3.** Phytogeographies of Itacolomi State Park, Ouro Preto and Mariana, Minas Gerais, Brazil. A. Itacolomi Peak surrounded by *campos rupestres*; B. Partial view of the Itacolomi State Park (ISP), with *campos rupestres* and forest patches; C. Monodominant forest made up of “Candeia” (*Eremanthus erythropappus*); D. Partial view of a ferruginous *campo rupestre*; E-F. Quartzitic *campos rupestres*.

exploration, some farms in this area focused on agriculture, especially tea (*Cammelia sinensis*), *Eucalyptus* plantation for charcoal production and cattle. The tea was introduced in this area in the eighteenth and nineteenth centuries, playing a key role in the local economy. This activity lasted until the 50s, when the plantations were then abandoned (Fujaco et al. 2010). Thus, individuals of this species are still found in the vicinity of the old farm “Fazenda São José do Manso”, where there was the largest planted

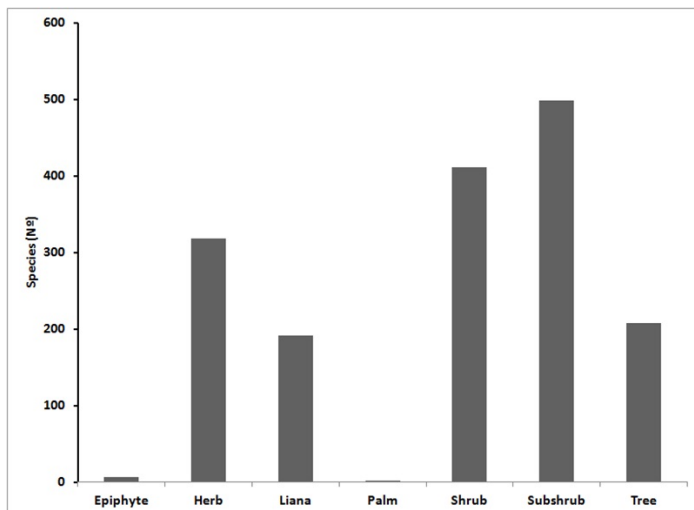
area. Other significant anthropogenic impact occurred in the second half of XX century, with the aluminum (bauxite) mining. In addition, more recently urban sprawl has become one of the main threats alongside the Park, compromising the integrity of the surrounding environment (Fujaco et al. 2010).

Most of the exotic phanerogamic species occur in these anthropogenic disturbed areas. The most aggressive ones are *Eucalyptus grandis*,





**Figure 4.** Venn diagram showing the number of shared and exclusive phanerogamic species in the different habitats at Itacolomi State Park, Ouro Preto and Mariana, Minas Gerais, Brazil. AA= Antropogenic disturbed areas, CR= Campos rupestres, F=Montane forests.



**Figure 5.** Growth habit of the recorded phanerogamic species of the Itacolomi State Park, Ouro Preto and Mariana, Minas Gerais, Brazil.

*Hedychium coronarium* and *Melinis minutiflora*. They have shown fast grown and high dispersal ability, easily increasing their population and spreading to other surrounding areas. Other exotic species observed didn't seem to present much competitiveness like *Cammelia sinensis* (tea), some ornamental plants like *Hydrangea macrophylla*, *Impatiens balsamina* and *Rhododendron indicum*. Probably, because most of the cultivated species are not able to grow in these metaliferous and nutrient-poor soils (Fernandes et al. 2016; Schaefer et al. 2016). Little is still known about biological invasion on mountaintop complexes where the threat of invasive species is very substantial (Wilson et al. 2016). Thus, more research is necessary about this subject.

Although *Araucaria brasiliensis* was considered initially as a naturally occurring species in this region (Mello-Barreto 1942, Hueck 1953), the

observation of aerial photographs showed that the older individuals of this species were aligned, suggesting they were grown in this area. Further studies are still needed to clarify if this species is native to the Itacolomi State Park area.

A total of 79 species are threatened with extinction, being 57 species listed on the red list of Minas Gerais State (COPAM 1997), 40 figure on the Brazilian Red List (MMA 2014) and two others from IUCN Red List (2015). Most of them are described as vulnerable or endangered. However, some species are listed as critically endangered (CR) like *Stevia hiliarii*, *Valeriana organensis*, *Ocotea felix* and *Habenaria itaculumia* on The Brazilian Red List (Table 1). Even though *Trichogonia eupatorioides* (= *Trichogonia martii*) and *Trembleya calycina* are described as probably extinct in the red list of the state of Minas Gerais (COPAM 1997), there are recent collections of these species in the herbarium databases (CRIA 2016). Other surveys along the *Espinhaço* Range have shown the same pattern, with many threatened species (Giulietti & Pirani 1988, Pirani et al. 1994, Echternacht et al. 2011). The *campos rupestres* show a high concentration of endemic species, some of them occur in small population (Giulietti & Pirani 1988, Echternacht et al. 2011). Thus, they are very vulnerable to extinction.

Some species are endemic to the Itacolomi State Park: *Habenaria itaculumia* and *Heterocondylus itacolomiensis*, in the *campos rupestres* and *Cybianthus itacolomyensis* in the forest. Other species are known as endemic to Espinhaço Range, in *campos rupestres*, like: *Chamaecrista dentata*, *C. hedysaroides*, *C. rotundata*, *Cryptanthus schwackeanus*, *Mimosa aurivillus* var. *aurivillus*, *Aspilia caudata* and *Richterago hatschbachii* (Flora do Brasil 2016, CRIA 2016).

The high flora diversity of this Park, harboring more than 12% of the Angiosperm species known for Minas Gerais State (BFG 2015), as well as the many endemic and endangered species, shows the value of this conservation unit as one of the most important in the state of Minas Gerais and Brazil. The knowledge of phanerogamic flora of ISP can help the Management Plan of this Unit of Conservation, contribute to future works related in this area and also improve the understanding of the Minas Gerais and Brazilian flora.

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