FLORA OF PANAMA

CHECKLIST AND INDEX

MISSOURI BOTANICAL GARDEN

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FLORA OF PANAMA

CHECKLIST AND INDEX

W. G. D'ARCY

PART I: THE INTRODUCTION AND CHECKLIST

Missouri Botanical Garden
Saint Louis, Missouri
1987

MONOGRAPHS IN SYSTEMATIC BOTANY
from the Missouri Botanical Garden
Vol. 17. 1987

Flora of Panama: Checklist and Index

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Printed in the United States of America by Braun-Brumfield, Inc., Ann Arbor, Michigan.

Library of Congress Cataloging in Publication Data

D'Arcy, William G., 1931-
Flora of Panama

(Monographs in systematic botany from the Missouri Botanical Garden, ISSN 8661874; vol. 17-18, 1987)
Flora of Panama appeared in the Annals of the Missouri Botanical Garden from 1943-1981.

Bibliography: p.

Includes index.

1. Botany—Panama. 2. Phytogeography—Panama. 3. Annals of the Missouri Botanical Garden—Indexes.
4. Botany—Periodicals—Indexes. 5. Botany—Classification—Periodicals—Indexes.

I. Missouri Botanical Garden. II. Title. III. Series: Monographs in systematic botany from the Missouri Botanical Garden; v. 17, etc.

QK221.D37 1987 581.97287 87-14210

ISBN 0-915279-08-8 (Paperback:set)

This publication constitutes **Part I of the Flora of Panama**, containing general information regarding the project.

Copies of the Flora of Panama: Checklist and Index can be ordered from:
Department 11, Missouri Botanical Garden, Box 299, St. Louis, MO 63166. U.S.A. (314) 577-5170.

ISBN: 0-915279-08-8 (Paperback:set)

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ACKNOWLEDGMENTS

Preparation of this index and checklist reflects the efforts of many people. Those who contributed to the analyses of various plant groups and made changes and additions to the taxonomy are noted in the section below: CONTRIBUTORS TO DATABASE REVISION.

Many others helped in preparation of the listing, including the following Missouri Botanical Garden staff. Sheri Murphy (Davis) prepared an initial card file of the Flora, and Bill Phillips made an initial search of the Missouri Botanical Garden herbarium. The Flora of Panama was entered into the computer by Andrea Solomon and Julie Gentry. Correction and update of the flora, computer entry, and herbarium and library verification was done by Julie Gentry and Virginia Kiefer. In addition, support staff at the Missouri Botanical Garden, particularly Ronald L. Liesner, helped with segregating and determining Panamanian collections in the Garden's main plant collection.

Mireya D. Correa A., University of Panama, facilitated use of the University of Panama herbarium and was supportive in other ways.

The computerization of the Checklist and Index made use of the Office of Computing and Telecommunications at the University of Missouri-St. Louis, which provided technical support and equipment for the project. The project made unexpectedly large calls on staff time and patience, which were always pleasantly met, and the size of the project at times taxed the physical resources of the unit. Arrangements and programing were begun through Harold L. Mack and William Young, and the task was later continued and brought to completion by Larry Pickett and Pam Hager. Expertise for installing the Database on the Missouri Botanical Garden's recently acquired Mentor 5000 for final editorial verification was provided by Robert E. Magill, who also assisted in many other ways.

The project was funded by National Science Foundation grants to support work on the Flora of Panama Project, the most recent of which bore Grant Number BSR-8305425 (W.G. D'Arcy, Principal Investigator). Other National Science Foundation Grants that helped support the project include G-7744 (R.E. Woodson, Jr., P.I.), GB-170 (H. Cutler, P.I.), GB-5674 (W.H. Lewis, P.I.), GB-36202, BMS 72-02441 (T.B. Croat, P.I.), and DEB 77-04300, DEB 79-22192, BSR-83-05425 (W.G. D'Arcy, P.I.). Marshall R. Crosby, Missouri Botanical Garden, helped greatly in arranging supplementary financing for the project.

FLORA OF PANAMA CHECKLIST AND INDEX

W.G. D'Arcy

INTRODUCTION

The Flora of Panama (Woodson et al. 1943-81) is a multivolume publication that aimed to describe all the higher plants occurring in Panama. Almost as soon as various parts of the Flora were issued, new plants were found in Panama and critical studies resulted in name changes, making the publication increasingly less comprehensive as time continued. Access to the new information is difficult, for publication of new finds and changes has taken place in a wide variety of scientific books and journals, and many of the new items have not yet reached the literature but are still documented only by herbarium specimens. The Flora of Panama has hitherto lacked an index, although most families were accompanied by individual indices when they were published.

As a step toward making information about the Panamanian flora more accessible to the public, the contents of the Flora of Panama were entered into a computer-based Flora of Panama Database. Library searches for articles affecting the Panamanian flora and herbarium searches for new items and newly annotated collections resulted in many increases and changes to this Database. A large group of collaborators revised and reviewed individual plant families. The present reports are the first to be published from the Database.

This publication consists of two reports: the Checklist (Part I), and the Index (Part II). The Index lists all names, accepted or synonymous, used in the Flora of Panama and elsewhere for Panamanian plants. If the name is a synonym, its accepted name is given. Where appropriate, the volume and page where the name appeared in the Flora of Panama is given. In other cases reference is given to another publication where the name has been treated or to a herbarium voucher, thus indicating a basis for acceptance or synonymy of a name. The Checklist lists only accepted names, and information is given about range and habit. Thus to find information for a given name, it may be necessary to consult both parts, the Index to ascertain under which name it appears in the Checklist or to find the source of the information, and the Checklist to find distributional or other information about the species concerned. Issued simultaneously in a microfiche format is a Taxonomic Listing which provides the information from both Part I and Part II in a taxonomic arrangement.

HISTORY OF THE PROJECT

Plant collecting has taken place in Panama since the arrival of the Europeans. Dwyer (1981), in his history of plant collecting in Panama, notes that the earliest herbarium specimens are from the first part of the 18th century. By the time Carl Linnaeus was giving plant description its modern form with his *Species Plantarum* of 1753, he had material in hand to allow him to describe many plants occurring in Panama. Since then, description of Panamanian plants has taken place in a wide array of publications from many countries. But Panamanian botany has benefited by relatively few floras or florulas that compile the many descriptions and revisions of individual plant species and groups into a form of general utility. The first published flora that included Panama was the Flora of the Isthmus of Panama by Seemann in 1854. In the present century, Paul C. Standley published florulas covering Barro Colorado Island (1927) and the Panama Canal Zone (1928). The Flora of Panama (Woodson et al. 1943-1981) covered the entire country and is the subject of the present publication. Although published after the Flora of Panama was begun, the Floras of San José Island by Johnston (1949) and of Barro Colorado Island by Croat (1978) are important scientific statements about the plants of parts of Panama.

The Flora of Panama (Woodson et al. 1943-81) was begun in 1943 by Robert E. Woodson, Jr. and Robert W. Schery after collecting in Panama had resulted in an accumulation of significant specimens and the description of new species in the 1920's and 1930's. A short history of the project is given by D'Arcy (1981a). Schery left the project in 1952, but Woodson continued it until his death in 1963. The Flora was then carried on by Hugh C. Cutler, Walter H. Lewis, D. M. Porter, and Thomas B. Croat, with W.G. D'Arcy bringing it to completion in 1981. Beginning about 1965, work on the Flora was accelerated with initiation of a strong collecting program and expansion of the group of contributors to the Flora. The Flora of Panama, when completed in 1981, comprised 6818 printed pages and included 5314 species. By then many of the earlier parts were out-of-print, although some parts had been reprinted. The accelerated collecting of the 1970's and 80's made the earlier publication increasingly less comprehensive as new species were described and names were changed following more critical studies. Parts of the Flora of Panama were generally out-of-date as

soon as they were issued, and of course, the whole work seriously understated the flora at the time it was completed in 1981. In spite of this, the prospect of issuing a complete new and revised Flora was strongly counter-indicated at that time. The large amount of recently collected material was yielding numerous changes to the state of floristic knowledge about Panama, and any Flora that might be issued would suffer the same fate as the first one in being seriously out-of-date as soon as it appeared. The magnitude of this continuing alteration and addition is large, amounting to hundreds of changes each year. To date there has been no abatement in the rate of change, testimony to the richness of the Panamanian flora and the diligence of specialists making new assessments of already recorded Panamanian taxa. The time has still not come for the preparation of a new edition of the Flora of Panama.

The present publication is a compromise intended to permit access to new taxonomic information about Panamanian plants and to ease the task of those wishing to revise different plant groups. It provides references to descriptions of the plants but does not present new descriptions or keys. Most plant groups have been reviewed or revised by specialists or by the author, and to this extent the listing is a reassessment of the taxonomy of the flora. In a series of tables, a concise statement is presented about the size of the flora and its distribution in other regions. Analyses of this kind of new data that are available from the Database is to be provided later.

The computerized Database continues to be maintained and revised, and it is anticipated that these reports will be reissued in three to five years. This report is provisional both in the sense that there is much more information still to come and in the sense that errors remain to be corrected in future editions. The author welcomes corrections or advice that will strengthen future editions.

SIZE OF THE PANAMANIAN FLORA

The Panamanian flora now includes 7345 species in 195 families. Table 1 shows the numbers of species now recorded from Panama by family.

The Panamanian flora is one of the most diverse in the world. With

7345 species of flowering plants now known in a land area of 75,902 km² (29,306 mi²), the floristic average is 0.0953 species per km² or 0.252 per mi². Relating this to the average for other regions presents the problem that as land areas diminish, the floristic average tends to increase, so that continental size areas, even rich ones, have a low average, while quite small areas, for example, a one hectare disturbed hillside, may have an extremely large value. Nevertheless, some such comparisons of species richness and area may be useful if one keeps in mind this statistical bias and other factors that may influence the average and merely looks at the richness in species. Table 2 shows the species richness of several regions.

In addition to the 7345 species of flowering plants now known from Panama there are some 800 pteridophyte species (Lellinger 1986, pers. comm.) making a total of over 8100 species of vascular plants. Since 1981 over 330 species of flowering plants have been newly described from material collected in Panama, and no diminution of this rate of discovery has been seen to date. Thus the total flora of Panama may include 8500-9000 flowering plants and 900 pteridophytes. These numbers will decrease as habitats are eliminated from Panama and species are extirpated or extinguished. The bryophytes include some 350 species of mosses (Allen & Crosby, pers. comm.) plus an unknown number of hepatic and hornwort species. Hepatics are abundant, especially in cooler, moist parts of the country.

RECENT INCREASE IN SIZE OF THE KNOWN PANAMANIAN FLORA

Since completion of the Flora of Panama, there has been a substantial increase in the number of taxa known from the country. Because the parts of the Flora were issued over a four decade period, changes in the numbers of recorded species conceal a varied rate of increase. Nevertheless, a few comparisons (Tables 3-5) indicate the great improvement of knowledge since the Flora was prepared. The Flora of Panama recognized 5314 species and a total of 5597 taxa of species rank or below, compared with the 7345 species recognized now. This increase of 2009 species does not include the 776 species recognized in the Flora of Panama that have been reduced to synonymy or excluded from the flora.

TABLE 1
PANAMA PLANT FAMILIES – NUMBERS OF SPECIES

FAMILY IDENTIFICATION				NUMBERS OF SPECIES			FAMILY IDENTIFICATION				NUMBERS OF SPECIES		
Dalla Torre & Harms	Family Name	Acronym (Weber 1982)	(Flora of Panama)	Native Species	Introduced Species	Total Species	Dalla Torre & Harms	Family Name	Acronym (Weber 1982)	(Flora of Panama)	Native Species	Introduced Species	Total Species
1	CYCADACEAE	CCD	(1)	8	2	10	61	BETULACEAE	BET	(40)	1		1
5	PODOCARPACEAE	PDC	(2)	3		3	62	FAGACEAE	FAG	(41)	11		11
6	ARAUCARIACEAE	ARU	(—)		1	1	63	ULMACEAE	ULM	(42)	7		7
7	GNETACEAE	GNE	(2a)	1		1	64	MORACEAE	MOR	(43)	96	3	99
8	TYPHACEAE	TYP	(3)	1		1	65	URTICACEAE	URT	(44)	52	1	53
11	POTAMOGETONACEAE	POT	(3a)	4		4	66	PROTEACEAE	PRT	(45)	5		5
12	NAJADACEAE	NAJ	(3B)	2		2	67	LORANTHACEAE	LOR	(46)	51		51
15	ALISMATACEAE	ALI	(4)	9		9	71	OPILACEAE	OPI	(47)	1		1
16	BUTOMACEAE	BUT	(5)	2		2	72	OLACACEAE	OLC	(48)	10		10
17	HYDROCHARITACEAE	HDC	(5a)	4	1	5	73	BALANOPHORACEAE	BNP	(49)	3		3
18	TRIURIDACEAE	TRI	(6)	2		2	74	ARISTOLOCHIACEAE	ARS	(50)	14		14
19	GRAMINEAE	GRM	(7)	344	15	359	75	RAFFLESIIACEAE	RAF	(50a)	3		3
20	CYPERACEAE	CYP	(8)	164	1	165	77	POLYGONACEAE	PLG	(51)	33	1	34
21	PALMAE	PAL	(9)	95	8	103	78	CHENOPODIACEAE	CHN	(52)	3	1	4
22	CYCLANTHACEAE	CYC	(10)	33		33	79	AMARANTHACEAE	AMA	(53)	31	4	35
23	ARACEAE	ARA	(11)	234		234	80	NYCTAGINACEAE	NYC	(54)	13	2	15
24	LEMNACEAE	LMN	(12)	7		7	81	BATAACEAE	BAT	(55)	1		1
28	MAYACACEAE	MAY	(13)	2		2	83	PHYTOLACCACEAE	PHT	(56)	10		10
29	XYRIDACEAE	XYR	(14)	3		3	84	AIZOACEAE	AIZ	(57)	3		3
30	ERIOCAULACEAE	ERO	(15)	9		9	85	PORTULACACEAE	POR	(58)	4		4
31	RAPATEACEAE	RPT	(16)	1		1	86	BASELLACEAE	BAS	(58a)	1	1	2
32	BROMELIACEAE	BML	(17)	136		136	87	CARYOPHYLLACEAE	CRY	(59)	10	2	12
33	COMMELINACEAE	CMM	(18)	31		31	88	NYMPHAEACEAE	NYM	(60)	4	1	5
34	PONTEDERIACEAE	PON	(19)	8		8	89	CERATOPHYLLACEAE	CTP	(61)	1		1
36	JUNCACEAE	JUN	(20)	3		3	91	RANUNCULACEAE	RAN	(62)	8		8
38	LILIACEAE	LIL	(21)	15	1	16	93	BERBERIDACEAE	BER	(63)	1		1
39	HAEMODORACEAE	HAE	(23)	1		1	94	MENISPERMACEAE	MNS	(64)	22		22
40	AMARYLLIDACEAE	AML	(24)	26	1	27	95	MAGNOLIACEAE	MAG	(65)	4		4
41	VELLOZIACEAE	VLL	(25)	1		1	95a	WINTERACEAE	WIN	(66)	1		1
43	DIOSCOREACEAE	DSC	(26)	14	2	16	98	ANNONACEAE	ANN	(67)	62	1	63
44	IRIDACEAE	IRI	(27)	10		10	99	MYRISTICACEAE	MYS	(68)	16		16
45	MUSACEAE	MUS	(29)	37	1	38	101	MONIMIACEAE	MNM	(69)	19		19
46	ZINGIBERACEAE	ZIN	(30)	36	6	42	102	LAURACEAE	LAU	(70)	78		78
47	CANNACEAE	CNA	(31)	3	1	4	103	HERNANDIACEAE	HRN	(71)	3		3
48	MARANTACEAE	MRN	(32)	49		49	104	PAPAVERACEAE	PAP	(72)	not yet found		
49	BURMANNIACEAE	BMN	(28)	15		15	104a	FUMARIACEAE	FUM	(—)	2		2
50	ORCHIDACEAE	ORC	(33)	891	2	893	105	CRUCIFERAE	CRU	(74)	4	6	10
51	CASUARINACEAE	CAS	(—)	1		1	106	TOVARIACEAE	TOV	(73a)	see 107 CAPPARACEAE		
53	PIPERACEAE	PIP	(34)	213		213	107	CAPPARACEAE	CPP	(73)	36	2	38
54	CHLORANTHACEAE	CLR	(35)	9		9	108	RESEDACEAE	RSD	(75)	1		1
55	LACISTEMATACEAE	LCS	(36)	3		3	109	MORINGACEAE	MRG	(76)	1		1
56	SALICACEAE	SAL	(37)	1		1	112	DROSERACEAE	DRS	(76a)	1		1
57	MYRICACEAE	MYR	(38)	2		2	113	PODOSTEMACEAE	PDS	(78)	12		12
60	JUGLANDACEAE	JUG	(39)	3		3	115	CRASSULACEAE	CRS	(77)	1	1	2

TABLE 1
PANAMA PLANT FAMILIES—NUMBERS OF SPECIES (continued)

FAMILY IDENTIFICATION				NUMBERS OF SPECIES			FAMILY IDENTIFICATION				NUMBERS OF SPECIES		
Dalla Torre & Harms	Family Name	Acronym (Weber 1982)	(Flora of Panama)	Native Species	Introduced Species	Total Species	Dalla Torre & Harms	Family Name	Acronym (Weber 1982)	(Flora of Panama)	Native Species	Introduced Species	Total Species
117	SAXIFRAGACEAE	SAX	(79)	9		9	182	OCHNACEAE	OCH	(119)	15		15
119	BRUNELLIACEAE	BNL	(80a)	2		2	183	CARYOCARACEAE	CCR	(120)	3		3
120	CUNONIACEAE	CUN	(80)	4		4	184	MARCGRAVIACEAE	MRC	(121)	22		22
126	ROSACEAE	ROS	(81)	39	1	40	185	QUIINACEAE	QII	(121a)	3		3
127	CONNARACEAE	CNN	(82)	11	1	12	186	THEACEAE	TEA	(122)	9		9
128	LEGUMINOSAE	LEG	(83)	430	6	436	187	GUTTIFERAE	GUT	(123)	61		61
129	GERANIACEAE	GER	(85)	3		3	187a	HYPERICACEAE	HYP	(123a)	8		8
130	OXALIDACEAE	OXL	(84)	17	2	19	183	CISTACEAE	CIS	(124)		not yet found	
131	TROPAEOLACEAE	TRP	(86)	3		3	194	BIXACEAE	BIX	(125)	1	1	2
133	HUMIRIACEAE	HOU	(87a)	4		4	195	COCHLOSPERMACEAE	CCH	(126)	2		2
134	ERYTHROXYLACEAE	ERX	(87)	11	1	12	198	VIOLACEAE	VIO	(127)	27	1	28
135	ZYGOPHYLLACEAE	ZYG	(88)	4	1	5	199	FLACOURTIACEAE	FLC	(128)	46	1	47
137	RUTACEAE	RUT	(89)	31	6	37	201	TURNERACEAE	TNR	(129)	6		6
138	SIMAROUBACEAE	SMR	(90)	11		11	203	PASSIFLORACEAE	PAS	(130)	42		42
139	BURSERACEAE	BRS	(91)	14	1	15	205	CARICACEAE	CRC	(131)	8		8
140	MELIACEAE	MEL	(92)	31	2	33	206	LOASACEAE	LOA	(132)	7		7
141	MALPIGHIACEAE	MLP	(93)	62	1	63	208	BEGONIACEAE	BEG	(133)	35		35
142	TRIGONIACEAE	TRG	(94)	2		2	210	CACTACEAE	CAC	(134)	23	1	24
143	VOCHYSIACEAE	VOC	(95)	7		7	214	THYMELAEACEAE	THY	(135)	2		2
145	POLYGALACEAE	PGL	(96)	24		24	216	LYTHRACEAE	LYT	(136)	17	5	22
146	DICHAPETALACEAE	DCH	(96a)	7		7	219	LECYTHIDACEAE	LCY	(137)	31		31
147	EUPHORBIACEAE	EUP	(97)	134	1	135	220	RHIZOPHORACEAE	RHZ	(138)	5		5
148	CALLITRICHACEAE	CLL	(98)		not yet found		221	COMBRETACEAE	CMB	(139)	18	2	20
149	BUXACEAE	BUX	(99)	1		1	222	MYRTACEAE	MRT	(140)	51	13	64
151	CORIARIACEAE	CRR	(100)	1		1	223	MELASTOMATACEAE	MLS	(141)	244		244
153	ANACARDIACEAE	ANA	(101)	11	3	14	224	ONAGRACEAE	ONA	(142)	23	2	25
154	CYRILLACEAE	CYR	(101a)	2		2	225	HALORAGACEAE	HAL	(143)	2		2
157	AQUIFOLIACEAE	AQF	(102)	9		9	227	ARALIACEAE	ARL	(144)	29		29
158	CELASTRACEAE	CEL	(103)	18		18	228	UMBELLIFERAE	UMB	(145)	19	3	22
159	HIPPOCRATEACEAE	HPC	(104)	23		23	229	CORNACEAE	COR	(146)	2		2
161	STAPHYLEACEAE	STP	(105)	1		1	230	CLETHRACEAE	CLE	(147)	3		3
162	ICACINACEAE	ICC	(106)	7		7	233	ERICACEAE	ERI	(148)	81		81
164	HIPPOCASTANACEAE	HCS	(107)	2		2	235a	THEOPHRASTACEAE	TEO	(151)	5		5
165	SAPINDACEAE	SAP	(108)	85	1	86	236	MYRSINACEAE	MRS	(150)	134		134
166	SABIACEAE	SAB	(109)	12		12	237	PRIMULACEAE	PRM	(152)	1		1
168	BALSAMINACEAE	BLS	(110)	1	1	2	238	PLUMBAGINACEAE	PLB	(153)		2	2
169	RHAMNACEAE	RHM	(111)	15	1	16	239	SAPOTACEAE	SPT	(154)	45	1	46
170	VITACEAE	VIT	(112)	12		12	240	EBENACEAE	EBN	(155)	5		5
171	ELAEOCARPACEAE	ELC	(113)	5		5	241	STYRACACEAE	STY	(156)	2		2
174	TILIACEAE	TIL	(114)	20		20	242	SYMPLOCACEAE	SYM	(157)	3		3
175	MALVACEAE	MLV	(115)	79	8	87	243	OLEACEAE	OLE	(158)	2	7	9
177	BOMBACACEAE	BOM	(116)	25		25	245	LOGANIACEAE	LOG	(159)	19		19
178	STERCULIACEAE	STR	(117)	24	1	25	246	GENTIANACEAE	GEN	(160)	32		32
180	DILLENACEAE	DLL	(118)	18	2	20	246a	MENYANTHACEAE	MNY	(161)	1		1

TABLE 1
PANAMA PLANT FAMILIES – NUMBERS OF SPECIES (continued)

FAMILY IDENTIFICATION				NUMBERS OF SPECIES		
Dalla Torre & Harms	Family Name	Acronym (Weber 1982)	(Flora of Panama)	Native Species	Introduced Species	Total Species
247	APOCYNACEAE	AP0	(162)	74	4	78
248	ASCLEPIADACEAE	ASC	(163)	47	4	51
249	CONVOLVULACEAE	CNV	(164)	65	1	66
250	POLEMONIACEAE	PLM	(165)	4		4
251	HYDROPHYLLACEAE	HYD	(166)	2		2
252	BORAGINACEAE	BOR	(167)	44		44
253	VERBENACEAE	VRB	(168)	81	9	90
253a	AVICENNIACEAE	AVI	(168a)	3		3
254	LABIATAE	LAB	(169)	46	1	47
256	SOLANACEAE	SOL	(170)	138	16	152
257	SCROPHULARIACEAE	SCR	(171)	52	2	54
258	BIGNONIACEAE	BIG	(172)	80	10	90
259	PEDALIACEAE	PED	(173)	1		1
260	MARTYNIACEAE	MAR	(—)	see 259 PEDALIACEAE		
261	OROBANCHACEAE	ORO	(174)	2		2
262	GESNERIACEAE	GSN	(175)	159	2	161
264	LENTIBULARIACEAE	LNT	(176)	14		14
266	ACANTHACEAE	ACA	(177)	110	2	112
269	PLANTAGINACEAE	PTG	(178)	2	1	3
270	RUBIACEAE	RUB	(179)	431	5	436
271	CAPRIFOLIACEAE	CPR	(180)	5		5
273	VALERIANACEAE	VAL	(181)	6		6
275	CUCURBITACEAE	CUC	(182)	44	8	52
276	CAMPANULACEAE	CAM	(183)	44	1	4
280	COMPOSITAE	CMP	(184)	272	7	279
TOTALS:				7123	222	7345

TABLE 2
FLORA SIZE OF SELECTED AREAS

Country (latitude ¹)	Area ² (1,000's km ²)	No. of species	Ref.
California Floristic Province			
(29°-43°N)	324	4452	3
California (32°-42°N)	411	5046	3
Missouri (36°-41°N)	180	2438	4
Texas (26°-37°N)	692	4196	5
Cuba (20°-24°N)	115	5800	6
Jamaica (17°-18°N)	11	2888	7
Panama (7°-10°N)	76	7345	
Barro Colorado Is., Panama (8°N)	.016	1099	8
Cape Floristic Region (31°-35°S)	89	8550	9

[Sources: 1. Latitudes from The Odyssey World Atlas. 2. Areas from The World Almanac & Book of Facts 1981. 3. Raven & Axelrod 1978. 4. Steyermark 1963. 5. Correll & Johnston 1970. 6. León 1966. 7. Adams 1972; Asprey & Robbins 1953. 8. Croat 1978. 9. Goldblatt 1978.]

Table 3 shows the numbers of taxa recorded in the Flora of Panama and now known from Panama through the Database. The ranks between family and genus and between genus and species are not included as they are not generally useful for making comparisons. Ranks below species also may be quite incomplete, as contributors vary in their consideration of these ranks.

TABLE 3
NUMBERS OF NEW TAXA SINCE FLORA OF PANAMA

Taxon	Flora	Present	Per cent Change
Families	192	195	1.6%
Genera	1520	1813	19.3
Species	5314*	7345	38.2
subspecies	35	89	
varieties	236	310	
subvarieties	0	0	
forms	12	9	
subforms	0	0	
Infra specific ranks	283	408	44.2%

*26 of these recognized implicitly by recognition of infraspecific taxa

Some families have shown much greater increase in known taxa since publication of the Flora than others. Generally those families completed early show the biggest increase. Table 4 shows the increase in species for the largest plant families.

TABLE 4
INCREASE IN FLORA SINCE FLORA OF PANAMA TREATMENTS
SPECIES NUMBERS FOR FAMILIES
WITH MORE THAN 100 SPECIES

Increase In Species For Selected Groups				Per Cent of Total Flora	
Family (date)	Species in Flora	Species Now	Per cent Increase	In Flora	Now
Gramineae (1943)	276	359	+ 30.1%		
Cyperaceae (1943)	102	165	61.8		
Palmae (1943)	71	103	45.1		
Araceae (1944)	74	234	316.2		
Bromeliaceae (1944)	85	136	60.0		
Orchidaceae (1946-49)	469	893	91.5		
All monocotyledons	1267	2246	77.3	23.8%	30.6%
Piperaceae (1950)	171	213	24.5		
Leguminosae (1950-80)	401	436	8.7		
Euphorbiaceae (1967)	100	135	35.0		
Melastomataceae (1958)	141	244	73.0		
Myrsinaceae (1971)	69	134	94.2		
Solanaceae (1973)	139	152	9.3		
Gesneriaceae (1979)	146	161	10.3		
Acanthaceae (1978)	107	112	4.7		
Rubiaceae (1980)	414	436	5.3		
Compositae (1975)	252	279	10.7		
All dicotyledons	4047	5099	30.0	76.1	69.4
All families	5314	7345	+ 38.2%	100.0%	100.0%

Plant collecting has been more intense and more complete in some parts of the country than others. Table 5 shows the increases in recorded plant diversity for several regions since completion of the Flora. Three geographical subdivisions, the Canal Area, and Chiriqui and Panama Provinces have long had the most intense botanical exploration. Since completion of the Flora, there has been great effort to collect in other, more poorly explored parts of the country. The low absolute numbers in the Azuero Peninsula reflect in large part the reduction of the flora by human activities before the original flora could be sampled.

TABLE 5
INCREASE IN SPECIES FOR PARTS OF PANAMA

Region	Species in Flora	Species Now	Per cent Increase
Canal Area	1888	2545	34.8
Chiriquí	2050	3057	49.1
Panama	2225	3246	45.9
Western Panama (Bocas del Toro, Chiriquí)	2679	3921	46.4
Central Provinces (Canal Area, Coclé, Colón, Herrera, Los Santos, Panamá, Veraguas)	3302	5146	55.8
Azuero Peninsula (Herrera, Los Santos)	654	801	22.5
Eastern Panama (Darién, San Blas)	1754	2563	46.1
All Panama	5314	7345	38.2

The increases for provinces and regions are larger than that for the entire country, because they reflect new province records that are not new for the country.

SOME CHARACTERISTICS OF THE PANAMANIAN FLORA

The following series of tables summarizes some characteristics of the Panamanian flora. These data are subject to some of the limita-

tions indicated in the section on FORMAT (page xx). Analyses of these characteristics and others will be presented in another publication.

TABLE 6
MAJOR LIFE FORMS

Number	Habit (unmodified)	Percentage* of Known Cases
--------	--------------------	----------------------------

895	Climber	12.3 %
195	Epiphyte	2.7
2	Hemiepiphyte	0.03
3126	Herb	42.9
11	Parasite	0.2
2057	Shrub	28.2
189	Subshrub	2.6
11	Shrublet	0.2
1952	Tree	26.8
53	Treelet	0.7
56	Without Habit (not available from present data)	

Number	Percentage* of Known Cases	Habit (modified)
--------	----------------------------------	------------------

3459	47.4%	Woody Species (shrubs, trees, etc.)
1709	23.5	Climbing Plants (lianas, vines, epiphytes, hemiepiphytes)
3830	52.5	Herbaceous Plants (herbaceous minus woody plants)
4171	57.2	Herbaceous Plants (herbs, climbers, epiphytes, hemiepiphytes, parasites, aquatics, marine plants)

Total species in flora: 7345. Total species with known habit: 7289.

*Do not total to 100% because of multiple categories.

TABLE 7
SPECIES OCCURRING AT DIFFERENT ELEVATIONS

Number	Elevation Level	Percentage* of Known Cases
5875	0-1000m Elevation	83.5%
2215	1000-2000m Elevation	31.5
610	2000-3000m Elevation	8.7
155	Over 3000m Elevation	2.2
	Elevation Range	
6817	Below 2000m	96.9%
6989	Below 3000m	99.4
666	Above 2000m	9.5
2463	Above 1000m	35.0
2418	Between 1000m and 3000m	34.4
312	Without Elevation (not available from present data)	

Total species in flora: 7345. Species with known elevation: 7033.

*Do not total to 100% because of multiple categories.

TABLE 8
SPECIES OCCURRING IN DIFFERENT GEOGRAPHIC DIVISIONS OF PANAMA

Number	Geographical Division	Percentage* of Known Cases
1661	Bocas Del Toro	23.1%
2545	Canal Area	35.5
3057	Chiriquí	42.6
2174	Coclé	30.3
1586	Colón	22.1
2188	Darién	30.5
444	Herrera	6.2
556	Los Santos	7.7
3246	Panamá	45.2
1003	San Blas	14.0
1437	Veraguas	20.0%
166	Without Geographical Division (not available from present data)	

3922 54.6% Western Panama (Bocas del Toro, Chiriquí)

2563 35.7 Eastern Panama (Darién, San Blas)

5146 71.7 Central Panama (Canal Area, Coclé, Colón, Herrera, Los Santos, Panamá, Veraguas)

3061 Occur In 1 Province 320 Occur In 6 Provinces

1298 Occur In 2 Provinces 263 Occur In 7 Provinces

832 Occur In 3 Provinces 174 Occur In 8 Provinces

603 Occur In 4 Provinces 138 Occur In 9 Provinces

406 Occur In 5 Provinces 72 Occur In 10 Provinces

Total species in flora: 7345.

Total species with known geography: 7179.

*Do not total to 100% because of multiple categories.

NAMING OF THE FLORA

TABLE 9
DISTRIBUTIONS OUTSIDE OF PANAMA

Distribution	Number	Percentage of Native Species
Native species:		
To the south of Panama	4034	56.6%
To the south only*	1006	14.1
To the north of Panama	5569	78.1
To the north only*	2433	34.1
Central America (Guatemala, El Salvador, Belize, Honduras, Nicaragua, Costa Rica)	5107	71.7
Central America only	2322	32.6
In the Antilles (excluding Trinidad & Tobago)	1298	18.2
Antilles only*	66	.9
Endemic species*	1230	17.3
Species restricted as above(*)	4735	66.4
Total native species	7123	100.0%
Introduced species	222	
Total flora	7345	

*Species restricted in distribution outside of Panama.

PANAMANIAN PLANT NAMES

The names that have been given to Panamanian plant species were derived from many different sources, but most were derived in one of three ways; they note the localities where the plants were first found, they honor a botanist, usually the botanist who first found the species, or they are descriptive of the plants themselves. To assess the frequency of use of species names, or epithets, it is most useful to compare the parts of the epithets lacking the gender-reflecting ending (usually the roots or stems). Thus *panamensis*, *panamaensis*, *panamana* are all treated as equivalent, and *dressleri* and *dressleriana* are also treated as equivalent. There is a convention, not always followed, that in naming a species after a person, the endings *-i*, *-um*, or *-ae* are used for a person who collected or otherwise worked with the plant, and the endings *-anus*, *-anum* or *-ana* for honoring a person who had little or nothing to do with the species at hand. Table 10 shows the names that have been used most often for the species accepted in this treatment.

TABLE 10
MOST USED NAMES FOR PANAMANIAN SPECIES

NAME PART	NO. OF TIMES USED	COMMEMORATES
panam-	138	Panama
costaric-	84	Costa Rica
pittier-	58	Henri François Pittier
allen-	43	Paul Hamilton Allen
chiriqu-	40	Chiriqui Province, Panama
american-	34	America (New World)
mexican-	33	Mexico
macrophylla-	32	large leaved
darien-	28	Darien Province, Panama
latifol-	27	broad leaved
dressler-	23	Robert Louis Dressler
standley-	23	Paul Carpenter Standley

All other names have been used fewer than 20 times for species recognized as occurring in Panama.

AUTHORS OF PANAMANIAN PLANT NAMES

A large component of the Panama flora consists of widespread species, and a great majority of species occurring in Panama were named on the basis of material collected in other countries. In a history of plant collecting in Panama, Dwyer (1981) notes that early collecting in Panama was conducted by Europeans, so it is no surprise that European botanists have been prolific in naming plants that occur in Panama. The botanist who named by far the greatest number of Panamanian species was Carl Linnaeus of Sweden, who initiated the present practice of using binomial names for plants and animals. During his lifetime (1707-1778) Linnaeus named about 7700 species (Stearn 1971), and the fact that nearly eight per cent of these now occur in Panama is a striking testimony to the strong representation of neotropical plants in European studies in the mid 18th century. The next most prolific namer of Panamanian plants was Paul Standley of the Field Museum of Natural History, who wrote floras for parts of Panama and for other parts of Central America. Table 11 lists botanists who were prolific in naming Panamanian species.

TABLE 11
BOTANISTS WHO HAVE NAMED
THE MOST PANAMANIAN SPECIES

BOTANIST	NO. OF SPECIES DESCRIBED	MAIN HOME LOCATION
Carl Linnaeus	629	Stockholm, Sweden
Paul Carpenter Standley	436	Chicago, U.S.A.
Humboldt, Bonpland & Kunth (H.B.K.)	268	Berlin/Paris
Augustin Pyramus de Candolle	251	Geneva, Switzerland
George Bentham	225	London, England
Heinrich Gustav Reichenbach (Jr.)	204	Hamburg, Germany
*John Duncan Dwyer	171	St. Louis, U.S.A.
Nikolaus Joseph Jacquin	160	Vienna, Austria
Olof Peter Swartz	154	Stockholm, Sweden
*Thomas Bernard Croat	142	St. Louis, U.S.A.
John Lindley	138	London, England
*Cyrus Longworth Lundell	117	Austin, Texas
Casimire de Candolle	107	Geneva, Switzerland
* Still living.		

No other botanist has named more than 100 species. This tabulation includes species first named or later transferred by the respective worker, and it includes names created in co-authorship with others.

As seen in Table 12, Linnaeus also excelled at the generic level, describing 417 genera that occur in Panama. No other botanists have described more than 25 of Panama's genera.

TABLE 12
BOTANISTS WHO HAVE NAMED
THE MOST PANAMANIAN GENERA

BOTANIST	NO. OF GENERA DESCRIBED	MAIN HOME LOCATION
Carl Linnaeus	417	Stockholm, Sweden
Jean Baptiste Christophe Fusée Aublet	88	Paris, France & colonies
Hipolito Ruiz & José Antonio Pavón	43	Madrid, Spain
Augustin Pyramus de Candolle	56	Geneva, Switzerland
John Lindley	39	London, England
George Benthham	34	London, England
Olof Peter Swartz	27	Stockholm, Sweden

SYNONYMY

Many names previously used for Panamanian plants are considered to be synonymous with the names accepted in this treatment. Practice in listing synonyms in the Flora of Panama differed greatly according to the particular author, some choosing to list all synonyms on a global basis, while others listed only synonyms directly germane to the Panamanian flora. Names listed in synonymies in the Flora included both validly published names and manuscript or other "ined" names. For these reasons, ratios of synonyms to accepted names in the present listing must be considered as only a gross approximation to the actual redundancy in naming. In the present Database, there are 10542 synonyms at species rank for the 7345 recognized species and 2477 synonyms for the 1813 recognized genera.

CONTRIBUTORS TO DATABASE REVISION

Help with parts of the Checklist was freely given by many specialists, some of whom undertook major updatings. Families that benefited from major input by specialists are listed in Table 13; other families were reviewed by the author.

TABLE 13
MAJOR CONTRIBUTIONS BY SPECIALISTS

Monocotyledons:

ALISMACEAE- Haynes; AMARYLLIDACEAE- Gereau; ARACEAE- Croat; BROMELIACEAE- Burt-Utley; BURMANNIACEAE- Van Benthem & Maas; BUTOMACEAE- Haynes; CANNACEAE- Maas; COMMELINACEAE- Faden; CYCLANTHACEAE- Hammel; CYPERACEAE- Adams/Davidse; GRAMINEAE- Davidse; HYDOCHARITACEAE- Haynes; IRIDACEAE- Goldblatt/Henrich; JUNCACEAE- Balsev; LEMNACEAE- Haynes; LILIACEAE- Gereau; MUSACEAE- Andersson/Kress/Stiles; NAJADACEAE- Haynes; ORCHIDACEAE- Atwood/Barringer/Dressler; PALMAE- Balick/Dransfield; PONTEDERIACEAE- Barrett; POTAMOGETONACEAE- Haynes; TRIURIDACEAE- Haynes; TYPHACEAE- Haynes; XYRIDACEAE- Kral.

Dicotyledons:

ACANTHACEAE- Durkee; ANNONACEAE- Maas/Mennenga; APOCYNACEAE- Leeuwenburg; AQUIFOLIACEAE- Hahn; ARISTOLOCHIACEAE- Barringer; ASCLEPIADACEAE- Stevens; BEGONIACEAE- Burt-Utley; BIGNONIACEAE- Gentry; BOMBACACEAE- Alverson; BORAGINACEAE- Miller; CACTACEAE- Bravo/Scheinvar; CAMPANULACEAE- Wilbur; CERATOPHYLLACEAE- Haynes; CHLORANTHACEAE- Todzia; COMPOSITAE- King/Strother; CONVULVACEAE- Austin; CORIARIACEAE- Skog; CRUCIFEREAE- Rollins; CUCURBITACEAE- Wunderlin; ERICACEAE- Luteyn; ERYTHROXYLACEAE- Plowman; EUPHORBIACEAE- Huft/Webster; GENTIANACEAE- Maas; GESNERIACEAE- Skog; GUTTIFERAE- Hammel; HYPERICACEAE- Robson; ICACINACEAE- Howard; JUGLANDACEAE- Stone; LABIATAE- Harley; LAURACEAE- Van der Werff; LEGUMINOSAE- Barneby; LORANTHACEAE- Kruit;

TABLE 13 (continued)
MAJOR CONTRIBUTIONS BY SPECIALISTS

MALVACEAE- Fryxell; MELASTOMATAACEAE- Almeda;
MENISPERMACEAE- Barneby; MONIMIACEAE- Antonio;
MORACEAE- Berg; MYRSINACEAE- Pipoly; NYMPHAEACEAE-
Haynes; ONAGRACEAE- Berry/Dietrich/Ramamoorthy/Raven/Zardini;
OROBANCHACEAE- Haynes; PIPERACEAE- Humphries;
POLYGALACEAE- Wendt/Wurdack; RANUNCULACEAE- Duncan;
RUBIACEAE- Dwyer; SABIACEAE- Gentry; SCROPHULARIACEAE-
Barringer; TILIACEAE- Meijer; UMBELLIFERAE- Constance.

TABLE 14
SPECIALISTS MAKING CONTRIBUTIONS TO THE DATABASE
(Does not include the many others who contributed through
publications or various herbarium determinations)

Name -Institution	Taxon
Adams, C. D. -Missouri Botanical Garden	CYPERACEAE
Allen, B. -Missouri Botanical Garden	MUSCI
Allorge, L. -Museum National d'Histoire Naturelle, Paris	APOCYNACEAE
Almeda, F. -California Academy of Sciences	MELASTOMATAACEAE
Andersson, L. -Herbarium, Botanical Museum, Göteborg, Sweden	SCROPHULARIACEAE, MUSACEAE
Antonio, T.M. -Chicago Botanical Garden	MONIMIACEAE
Atwood, J. -Marie Selby Botanic Garden	ORCHIDACEAE
Austin, D. -Florida Atlantic University	CONVOLVULACEAE
Balick, M.J. -New York Botanical Garden	PALMAE
Balsev, H. -University of Aarhus, Denmark	JUNCACEAE

Name -Institution	Taxon
Barneby, R.C. -New York Botanical Garden	MENISPERMACEAE, LEGUMINOSAE
Barrett, S. -University of Toronto	PONTEDERIACEAE
Barringer, K. -Brooklyn Botanic Gardens	ORCHIDACEAE, SCROPHULARIACEAE, ARISTOLOCHIACEAE
Bedell, H.G. -Arnold Arboretum, Harvard University	MARCGRAVIACEAE
Berry, P. -Universidad Simón Bolívar, Caracas	ONAGRACEAE
Berg, C.C. -Institute for Systematic Botany, Utrecht	MORACEAE
Bravo, H. -Universidad Nacional Autónomo de México	CACTACEAE
Burt-Utley, C. -University of New Orleans	BROMELIACEAE
Constance, L. -University of California (Berkeley)	UMBELLIFERAE
Croat, T.B. -Missouri Botanical Garden	ARACEAE
Crosby, M.R. -Missouri Botanical Garden	MUSCI
Davidse, G. -Missouri Botanical Garden	GRAMINEAE, CYPERACEAE
Dietrich, W. -Botanisches Institut der Universität, Düsseldorf	ONAGRACEAE
Dransfield J. -British Museum (N.H.)	PALMAE
Dressler, R.L. -Smithsonian Tropical Research Institute	ORCHIDACEAE
Duncan, T. -University of California (Berkeley)	RANUNCULACEAE
Durkee, L.A. -Grinnell College	ACANTHACEAE
Dwyer, J.D. -Missouri Botanical Garden	RUBIACEAE
Edmonds, J. -Cambridge University	SOLANACEAE
Faden, R. -Smithsonian Institution	COMMELINACEAE
Forero, E. -Missouri Botanical Garden	CONNARACEAE
Fryxell, P.A. -Dept. Soil & Crop Science, Texas A. & M. University	MALVACEAE

TABLE 14 (continued)
SPECIALISTS MAKING CONTRIBUTIONS TO THE DATABASE

Name -Institution	Taxon
Gentry, A.H. -Missouri Botanical Garden	BIGNONIACEAE, SABIACEAE
Goldblatt, P. -Missouri Botanical Garden	IRIDACEAE
Graham, S.A. -Kent State University	LYTHRACEAE
Hahn, W. -Cornell University	AQUILFOLIACEAE
Hammel, B. -Missouri Botanical Garden	GUTTIFERAE, CYCLANTHACEAE
Haynes, R.R. -University of Alabama	NYMPHAEACEAE, LEMNACEAE, POTAMOGETONACEAE
Hekking, W.H.A. -Institute for Systematic Botany, Utrecht	VIOLACEAE
Henrich, J. -Missouri Botanical Garden	IRIDACEAE
Huft, M.J. -Missouri Botanical Garden	URTICACEAE, EUPHORBIACEAE
King, R.M. -Smithsonian Institution	COMPOSITE
Kral, R. -Vanderbilt University	XYRIDACEAE
Kress, J. -Marie Selby Botanic Garden	MUSACEAE
Kuijt, J. -University of Lethbridge	LORANTHACEAE
Leeuwenberg, A.J.M. -Laboratory for Plant Taxonomy, Wageningen	APOCYNACEAE
Lellinger, D. -Smithsonian Institution	PTERIDOPHYTA
Liesner, R.L. -Missouri Botanical Garden	Various
Luer, C. -Missouri Botanical Garden	ORCHIDACEAE
Luteyn, J.L. -New York Botanical Garden	ERICACEAE
Maas, P.J. -Institute for Systematic Botany, Utrecht	ANNONACEAE, MUSACEAE, BURMANNIACEAE, ZINGIBERACEAE, GENTIANACEAE
Meacham, C.A. -University of Georgia	RANUNCULACEAE
Meijer, W. -University of Kentucky	TILIACEAE
Mennega, E.A. -Institute for Systematic Botany, Utrecht	ANNONACEAE
Miller, J. -Missouri Botanical Garden	BORAGINACEAE
Moldenke, H.N.	VERBENACEAE

Name -Institution	Taxon
Murphy, H. -Field Museum of Natural History	ASCLEPIADACEAE
Pilz, G.E. -Escuela Agrícola Panamericana, Zamorana, Honduras	NYCTAGINACEAE
Pipoly, J. -New York Botanical Garden	MYRSINACEAE
Plowman, T. -Field Museum of Natural History	ERYTHROXYLACEAE
Press, J.R. -British Museum (N.H.)	AMARYLLIDACEAE
Ramamoorthy, T.P. -Universidad Nacional Autónoma de México	ACANTHACEAE, ONAGRACEAE
Raven, P.H. -Missouri Botanical Garden	ONAGRACEAE
Robson, N. -British Museum (N.H.)	HYPERICACEAE
Rollins, R. -Gray Herbarium, Harvard University	CRUCIFERAE
Schatz, G. -Missouri Botanical Garden	ANNONACEAE
Scheinvar, L. -Universidad Nacional Autónoma de México	CACTACEAE
Skog, L. -Smithsonian Institution	GESNERIACEAE, CORIARIACEAE
Sleumer, H.O. -Rijksherbarium, Netherlands	LACISTEMATACEAE, FLACOURTIACEAE, OLACACEAE
Stevens, W.D. -Missouri Botanical Garden	ASCLEPIADACEAE
Stevenson, D. -New York Botanical Garden	CYCADACEAE
Stiles, G. -Universidad de Costa Rica	MUSACEAE
Strother, J. -University of California (Berkeley)	COMPOSITE
Sullivan, E. -Louisiana State University	RUBIACEAE
Todzia, C. -Missouri Botanical Garden	CHLORANTHACEAE
Utlej, J.F. -University of New Orleans	MARCGRAVIACEAE
Van Benthem & P.J. Maas -Institute for Systematic Botany, Utrecht	BURMANNIACEAE
Van der Werff, H. -Missouri Botanical Garden	LAURACEAE
Wagner, W. -Bishop Museum	ONAGRACEAE
Webster, G. -University of California (Davis)	EUPHORBIACEAE
Wendt, T.L. -Escuela Nacional de Agricultura, Chapingo, Mexico	POLYGALACEAE
Wilbur, R.L. -Duke University	CAMPANULACEAE
Wunderlin, D. -University of South Florida	CUCURBITACEAE
Zardini, E. -Missouri Botanical Garden	ONAGRACEAE

FORMAT

THE CHECKLIST Part I.

The Checklist is an annotated listing of the names accepted as correct for the seed plants of Panama. For each name information is added on range inside and outside of Panama, on elevation and on habit. Plants that are introduced, naturalized or cultivated are identified as such. Whether or not the name was used in the Flora of Panama is also indicated.

This report includes only names accepted as correct for the flora of Panama: synonyms or names for taxa that do not occur in Panama are omitted.

The asterisk (*) on the left of an entry means that the taxon is not represented in the Flora of Panama, at least under this name. Referral to the Index (Part II) will usually indicate if the taxon is in the Flora under a different name.

Authors are presented in the abbreviated form following the International Code of Botanical Nomenclature (ICBN 1983) Recommendations 46D.1 and 46E.1 : amplifications of authorities by use of *ex* and *in* are omitted.

Under the heading "Provinces" the Canal Area (*ca*) and the Comarca de San Blas (*sa*) are recognized. They are legal divisions in the country, although they are not provinces.

Ranges outside of Panama were entered as they were encountered (not corrected), thus in many cases both individual and general range codes appear. For example, a taxon might have *cag* (Central America General) and also a code for each or some of the countries in this region.

Habits were entered as they were encountered but were later standardized into the categories in Tables 15 and 16.

SAMPLE ENTRIES (extracted from page 1):

1 (1) CYCADACEAE

Explanation: 1 is the Dalla Torre & Harms family number. (1) is the Flora of Panama family number. **CYCADACEAE** is the name of the family.

**Cycas*

**circinalis* L. intr. cult

PROV: pa 000m: 0-1 RANGE: asi tree

Explanation: **Cycas* indicates that the first genus, *Cycas*, was not reported as an accepted genus in the Flora of Panama, at least not under this name. **circinalis* indicates that the species *Cycas circinalis* was not reported in the Flora of Panama under this name. The author for the species name is L. (Carl Linnaeus). The species is introduced to Panama and is cultivated there. It occurs in Panama (*pa*) Province, it occurs between sea level and 1000 m elevation (0- 1), and outside of Panama it occurs in Asia (*asi*). It is reported to be a tree.

Podocarpus

**guatemalensis* Standl.

*—var. *allenii* (Standl.) Buch. & Gray

PROV: bo cc etc. 000m: 0-1 etc. RANGE: cr gua tree

Explanation: *Podocarpus* is a genus that was treated in the Flora of Panama. However, the asterisk (*) before each of the entries under *Podocarpus* (4 in the actual Checklist) indicates that none of the present names were accepted in that treatment. This means that the names used in the Flora of Panama have been changed and perhaps new ones added. The Flora itself would give the names used there, and reference to the Index (Part II) will show the present correct names for the changed (reduced or excluded) names. The species *Podocarpus guatemalensis* Standl. is represented in Panama by the variety *allenii*. This variety was first described by Standl. (P. C. Standley in R. E. Woodson & R. W. Schery, if the author is cited in full) but it was changed to its present status as a variety of *Podocarpus guatemalensis* by Buch. & Gray (J. T. Buchholtz and N. E. Gray). The variety occurs in Bocas Del Toro (*bo*) and Coclé (*cc*) (also Chiriquí, Herrera, Panamá, and Veraguas Provinces), it occurs between sea level and 1000 m (and also between 1000 and 2000 m), and outside of Panama it occurs in Costa Rica (*cr*) and Guatemala (*gua*). It is reported to be a tree.

THE INDEX Part II.

This report includes all scientific names that were used in the Flora of Panama plus scientific names that have since been used for Panamanian plants. It includes accepted names, synonyms, names incidentally mentioned, and a few names for organisms other than vascular plants.

Names underlined are not currently correct: they are synonyms of other names. The indication "(FP: xxx)" with an accepted name indicates that it was known as xxx in the Flora of Panama.

All taxonomic ranks have been recognized as encountered. Because different authors adopted differing standards of coverage for other than the main ranks, the inclusion of these other ranks is uneven across the family spectrum.

Authors are cited in full (including *ex* and *in* embellishments).

The Source of Entry provides the reference to placement in the Flora of Panama, to other literature that affected the use of the name, or to a herbarium voucher. Unless otherwise indicated, all vouchers are deposited at the Missouri Botanical Garden (MO). Underlined numbers in this column refer to names mentioned incidentally in the Flora of Panama.

Families are identified by the Weber (1982) acronym and by the Dalla Torre & Harms (1900-1907) number.

AUTHORS

Authors were standardized using Stafleu & Cowan (1976-) as a main reference. In numerous cases, an author's name is abbreviated differently in a compound than when alone. For example, Ruiz is abbreviated when it is in the compound R. & P. (Ruiz & Pavón), Benth. becomes Benth. when alone and B. in the compound B. & H. (Bentham & Hooker). Where several authors have the same surname, it was sometimes possible to indicate which is meant by the use of initials, but as authorities were mainly entered as encountered without recourse to the literature to check details, such differentiating initials were often omitted. Although this ignores the grace of attributing many names to their founders, it seldom or never causes difficulties in the roles for which they are intended: the separation of homonyms

published by different authors and as an aid in bibliographic referral. There are few cases, if any, where homonyms affecting the Flora of Panama were established by two different authors with the same surname, and perhaps none where referral to a Smith or a Fries without indicating which is the one meant will cause any confusion. In most cases, the different Smiths or Frieses worked on quite different plants at different times, and no confusion occurs.

In the Checklist, authors are presented in abbreviated form following recommendations (46C & 46D of ICBN 1966, 1972; 46D & 46E of ICBN 1978, 1983) of the Code of botanical nomenclature, that is, amplifications of authorities by use of *ex* and *in* are omitted. In the Index, the authorities are generally presented in full, although they are presented as they were encountered, and little attempt was made to ascertain whether still more amplified authorities might be derived. Thus, Willd. may appear as merely Willd. when it might have been expanded to (author) *ex* Willd. *in* L. (Sp. Pl. ed. 4), or Benth. rather than Benth. *in* Benth. & Hook. f. (Genera Plantarum).

ELEVATIONS

Four elevational ranges are recognized: 0-1000 m (0-3000 ft), 1000-2000 m (3000-6000 ft), 2000-3000 m (6000-9000 ft), and 3000+ m (over 9000 ft). These ranges are a compromise between the ranges that might be most useful and the ranges that could be ascertained most reliably from the sources. Where the elevational range for a taxon is not known, the symbol *we* (without elevation) appears.

GEOGRAPHICAL RANGES OUTSIDE OF PANAMA

Geographical ranges outside of Panama were entered as they were encountered, thus in many cases both individual and general range codes appear. For example, a taxon might have *cag* (Central America General) and also a code for each country in this region. Most of the ranges indicated have been documented or verified during the course of this project. Thus it is believed that the Database errs on the side of omission rather than misstatement.

A list of range symbols appears in Table 17 on page xxviii. For future publications based on this Database, it is hoped to add other coded distributions, for example; Chocó-Colombia, Brazil, and Mexico south of the Gulf of Tehuantepec/Río San Juan depression which includes the states of Campeche, Chiapas, Quintana Roo, Tabasco, Yucatán. These regions are not separated at present. Brazil appears within the category *sao* (South America Other).

HABITS

Habits were generally entered as they were encountered with little verification. They were standardized in Table 15. It was immediately apparent that at present there is insufficient accepted vocabulary available to describe even some of the commonest growth habits. To describe such forms as bananas, pineapples, barrel cacti, and philodendrons as herbs, or acaulous palms and bamboos as shrubs is a distortion of the usual or traditional meanings of the terms and disguises the actual nature of the plants. Botanists working in the tropics are faced with the dilemma of insufficient habit type terminology. Many will apply well known or "standardized" terms in non-standard ways, or they will adopt more parochial terminology for the difficult cases they commonly encounter. For example, the term palmetto may be used to cover a wide range of dwarf palm-like forms, but the term has limited currency and uncertain definition beyond the particular palms it was derived to describe. The major life forms (nouns) are modified by adjectives listed in Table 16.

In this Database, any plants that are scandent are referred to as climbers, and this includes lianas, vines, hemiepiphytes, twiners, clamberers, and other ascendent or voluble habit concepts. Hemiepiphytes are separately identified in the few cases where they were clearly denoted in the Flora or literature: their number is greatly understated at this time.

STATISTICS

As it is being developed and modified, the Database is changed on a daily basis, and statistics drawn from it also change. Thus the statistics presented in this publication may differ slightly from the reports; they represent the numbers as the reports were requested but before editorial corrections.

TERMS USED FOR HABIT AND LIFE FORM

TABLE 15
MAJOR LIFE FORMS (HABITS)

climber	shrub
epiphyte	shrublet
hemiep(iphyte)	subshrub
herb	tree
parasite	treelet

TABLE 16
MODIFIERS OF HABIT TYPE

Adjective	Form used	Adjective	Form used
annual	ann	marine	marine
aquatic	aquat	parasite	paras
bushy	bushy	perennial	per
clambering	clamb	root(-climber)	root
climbing	climb	saprophyte	sapro
coarse	coarse	saxicole	saxic
epiphytic	epiph	succulent	succ
fresh-water	aquat	terrestrial	terr
giant	giant	twining	vin
hemiepiphytic	hemiep	vin	vin
		woody	woody

SOURCES

Generally, source citations are restricted to the most recent revisions or to those where names were actually changed or records reported. Sources have been maintained within the Database documenting new province records, and this is to be found in the Taxonomic Listing (microfiche). One voucher is recorded for each name.

BIBLIOGRAPHY RELATING TO FLORA OF PANAMA DATABASE

The following listing includes cited literature for all parts of this publication; the Introductions to Part I (this Part) and to the Taxonomic Listing (published separately on microfiche), to the Checklist (in this Part), to the Index (Part II), and to the Taxonomic Listing itself (microfiche).

- Abalo, J. E. & T. M. Antonio. 1981. A new *Heliconia* from Panama. *Baileya* 21: 139-142.
- Adams, C. D. 1972. Flowering Plants of Jamaica. Univ. West Indies: Mona, Jamaica.
- Agostini, G. 1980. Una nueva clasificación del género *Cybianthus* (Myrsinaceae). *Acta Biol. Venez.* 10: 129-185.
- Alain, H. 1962 [1963]. Flora de Cuba. vol. 5. Editorial Universitaria. Univ. Puerto Rico: Río Piedras.
- Allorge, L. 1983. Espèces et combinaisons nouvelles d'Apocynacées-Americaines. *Bull. Soc. Bot. France* 130, Lettres Bot. (4-5) 339-351.
- Almeda, F. 1980. Central American novelties in the genus *Blakea* (Melastomataceae). *Rhodora* 82: 609-615.
- . 1980. *Pilocosta*, A new genus of tropical American Melastomataceae. *Syst. Bot.* 5: 294-311.
- . 1981. The Mexican and Central American species of *Adelobotrys* (Melastomataceae). *Ann. Missouri Bot. Gard.* 68: 204-212.
- . 1981. New and reconsidered species of *Miconia* (Melastomataceae) from Costa Rica and Panama. *Proc. Calif. Acad. Sci.* 42: 303-314.
- . 1983. Three new Mesoamerican species of *Miconia* (Melastomataceae). *Brittonia* 35: 42-48.
- . 1984. New and noteworthy additions to the Melastomataceae of Panama. *Proc. Calif. Acad. Sci.* 43: 269-282.
- Anderson, L. C., R. L. Hartman & T. F. Stuessy. 1979. Morphology, anatomy, and taxonomic relationships of *Otopappus australis* (Asteraceae). *Syst. Bot.* 4: 44-56.
- Andersson, L. 1977. The genus *Ischnosiphon* (Marantaceae). *Opera Bot.* 43:1-114.
- Asprey, G. F. & R. G. Robbins. 1953. The vegetation of Jamaica. *Ecol. Monogr.* 23: 359-412.
- Austin, D. F., D. A. Powell & D. H. Nicolson. 1978. *Stictocardia tiliifolia* (Convolvulaceae) re-evaluated. *Brittonia* 30: 195.
- & G. W. Staples. 1983. Additions and changes in the neotropical Convolvulaceae- notes on *Merremia*, *Operculina*, and *Turbina*. *J. Arnold Arboretum* 64: 483-489.
- Badillo, V. M. 1971. Monografía de la familia Caricaceae. 1-221. Assoc. Profesores: Maracay.
- Barringer, K. 1983. *Polygala dukei* (Polygalaceae), a new species from Panama. *Ann. Missouri Bot. Gard.* 70: 203-204.
- . 1983. Notes on Central American Aristolochiaceae. *Brittonia* 35: 171-174.
- . 1984. A new species of *Guatteria* (Annonaceae) from Panama. *Ann. Missouri Bot. Gard.* 71: 1186-1187.
- . 1985. Three new species of *Elleanthus* (Orchidaceae) from Central America. *Brittonia* 37: 286-290.
- Bockemuhl, L. 1984. Die Gattung *Odontoglossum* H.B.K. Studien zu einer natürlichen Gliederung (5. Fortsetzung). *Die Orchidee* 35: 57-58.
- Breedlove, D. E., P. E. Berry & P. H. Raven. 1982. The Mexican and Central American species of *Fuchsia* (Onagraceae) except for sect. *Encliandra*. *Ann. Missouri Bot. Gard.* 69: 209-234.
- Burger, W. 1973. Notes on the flora of Costa Rica, 3: new species in the Moraceae. *Phytologia* 26: 421-434.
- . 1977. Flora Costaricensis. Fagaceae in *Fieldiana Bot.* 40: 59-82.
- . 1983. Flora Costaricensis. *Fieldiana Bot. N.S.* 13: 1-255.
- Burt-Utley, K. 1982. New species in *Begonia* section *Gireoudia* (Begoniaceae) from Central America. *Brittonia* 34: 189-198.
- Churchill, S. P. & W. R. Buck. 1982. A taxonomic investigation of *Leptotheca* (Rhizogoniaceae). *Brittonia* 34: 1-11.
- Correll, D. S. & M. C. Johnston. 1970. Manual of the Vascular Plants of Texas. Texas Research Foundation: Renner.
- Croat, T. B. 1978. Flora of Barro Colorado Island. Stanford Univ. Press: Stanford.
- . 1979. *Matayba apetala* (Sapindaceae) new for the Flora of Panama. *Phytologia* 44: 381-383.
- . 1981. A revision of *Syngonium* (Araceae). *Ann. Missouri Bot. Gard.* 68: 565-651.
- . 1981. Studies in Araceae III: new species of *Anthurium* from Central America. *Selbyana* 5: 315-31.
- . 1983. A revision of the genus *Anthurium* (Araceae) of Mexico and Central America. Part I: Mexico and Middle America. *Ann. Missouri Bot. Gard.* 70: 211-420.
- . 1985. The large monocots of Panama. Pp. 5-12 in W. G. D'Arcy & M. D. Correa A., The Botany and Natural History of Panama: La Botánica e Historia Natural de Panamá. Monogr. Syst. Bot. Missouri Bot. Gard. Vol. 10.
- . 1986. A revision of the genus *Anthurium* (Araceae) of Mexico and Central America. Part III: Panama. Monogr. Syst. Bot. Missouri Bot. Gard. Vol. 14.

- _____. & R. L. Baker. 1979. The genus *Anthurium*. Brenesia 16 Suppl. 1: 1-174.
- Cuatrecasas, J. 1982. Miscellaneous notes on Neotropical Flora XV. Phytologia 52: 166-177.
- Dalla Torre, C. G. & H. Harms. 1900-1907. Genera Siphonogamarum. G. Engelmann: Leipzig.
- D'Arcy, W. G. 1975. New names and species of neotropical plants: Compositae. Phytologia 30: 5-6.
- _____. 1981a. The Flora of Panama: historical outline and selected bibliography. Ann. Missouri Bot. Gard. 67: v-viii.
- _____. 1981b. A new species of *Hernandia* (Hernandiaceae) from Panama. Ann. Missouri Bot. Gard. 68: 224-225.
- _____. 1985. Publication of *Verbesina fuscasiccans*. Phytologia 56: 500.
- _____. & R. L. Liesner. 1981. *Hedyosmum* (Chloranthaceae) in Panama. Syst. Bot. 6: 74-86.
- _____. & B. Hammel. 1985. The plants of 'Ocoquili' Island, San Blas Coast, Panama. Ann. Missouri Bot. Gard. 72: 264-267.
- _____. J. L. Gentry & J. E. Averett. 1981. Recognition of *Brachistus* (Solanaceae). Ann. Missouri Bot. Gard. 68: 227-228.
- _____. & M. D. Correa A. 1985. The Botany and Natural History: La Botánica e Historia Natural de Panamá. Monogr. Syst. Bot. Missouri Botanical Garden. Vol. 10.
- Davidse, G., T. R. Soderstrom & R. P. Ellis. 1986. *Pohlidium petiolatum* (Poaceae: Centothecae), a new genus and species from Panama. Syst. Bot. 11: 131-144.
- Dietrich, H. & M. A. Diaz D. 1984. Eine neue blattlose Orchidee für Panama: *Campylocentrum dressleri* H. Dietrich et M. Diaz. Die Orchidee 35: 28-30.
- Dodson, C. H. in C. H. Dodson. 1980. Icones Plantarum Tropicarum pl. 155.
- Dressler, R. L. 1972. Terrestrial plants of Panama. Bull. Biol. Soc. Washington 2: 179-186.
- _____. 1979. A distinctive new *Hexisea* from Panama: *Hexisea arctata* Dressler. Orquidea (Mex.) 7: 222-225.
- _____. 1979. Una *Sievekingia* llamativa de Panamá. Orquideol. 13: 221-227.
- _____. 1980. A new name for the dwarf purple *Anthurium*. Aroideana 3: 55.
- _____. 1980. Checklist of the orchids of Panama. Pp. I-XXVI in Orchids of Panama. Monogr. Syst. Bot. Missouri Bot. Gard. Vol. 4: 1-26.
- _____. 1981. *Maxillaria insolita*, especie nueva Panameña. Orquideol. 14: 203-208.
- _____. 1981. El género *Neowilliamsia* Garay. Orquidea (Mex.) 8: 27-36.
- _____. 1981. Dos *Kefersteinia* nuevas de Panamá. Orquideol. 16: 47-62.
- _____. 1983. *Palmorchis* in Panama mit einer neuen Art, *Palmorchis nitida*, an einem unerwarteten Standort. Die Orchidee 34: 25-31.
- _____. 1983. Eine charakteristische neue *Cochleanthes* aus Panama: *Cochleanthes anatona*. Die Orchidee 34: 157-161.
- _____. 1983. Otra nueva *Neowilliamsia* de Panamá. Orquidea (Mex.) 9: 32-30.
- Dwyer, J. D. 1985. The history of plant collecting in Panama. Pp. 179-183 in W. G. D'Arcy & M. D. Correa A., The Botany and Natural History of Panama: La Botánica e Historia Natural de Panamá. Monogr. Syst. Bot. Missouri Bot. Gard. Vol. 10.
- Edmonds, J. M. 1986. Biosystematics of *Solanum sarrachoides* Sendtner and *S. physalifolium* Rusby (*S. nitidibaccatum* Bitter). Bot. J. Linn. Soc. (London) 92: 1-38.
- Fallen, M. E. 1983. A systematic revision of *Anechites* (Apocynaceae). Brittonia 35: 222-231.
- Fontella Pereira, J. 1977. Revisão taxonômica do gênero *Tassadia* Decaisne (Asclepiadaceae). Arquivos Jard. Bot. Rio de Janeiro 21: 235-359.
- Fosberg, F. R. 1965. Revision of *Albizia* sect. *Pachysperma* (Leguminosae-Mimosoideae). Reinwardtia 7: 71-90.
- Fryxell, P. A. 1981. Revision and expansion of the neotropical genus *Wercklea* (Malvaceae). J. Arnold Arboretum 62: 457-486.
- Gates, B. 1982. *Banisteriopsis*, *Diploteris* (Malpighiaceae). Fl. Neotrop. Monogr. 30.
- Gentry, A. H. 1980. Bignoniaceae: Part 1. Fl. Neotrop. 25: 1-117.
- _____. 1982. New or noteworthy species of Middle American Bignoniaceae. Wrightia 7: 83-89.
- _____. 1985. Studies in Bignoniaceae 48: new South American species of Bignoniaceae. Phytologia 57: 240-248.
- Glassman, S. F. 1972. A revision of B. E. Dahlgren's Index of American Palms. Phanerog. Monogr. 6. Verlag Von Cramer.
- Goldblatt, P. 1978. An analysis of the flora of southern Africa: its characteristics, relationships, and origins. Ann. Missouri Bot. Gard. 65: 369-436.
- Gómez P., L. 1982. Plantae Mesoamericanae Novae. VI. Phytologia 52: 153-156.

- Gould, F. W. 1979. The genus *Bouteloua* (Poaceae). Ann. Missouri Bot. Gard. 66: 348-413.
- Grayum, M. & B. Hammel. 1982. Three new species of Cyclanthaceae from the Caribbean lowlands of Costa Rica. Syst. Bot. 7: 221-229.
- Hamilton, C. W. 1985. Notes on and descriptions of seven new species of Mesoamerican Clethraceae. Ann. Missouri Bot. Gard. 72: 539-543.
- Hammel, B. & W. G. D'Arcy. 1981. New taxa from the uplands of western Panama. Ann. Missouri Bot. Gard. 68: 213-217.
- Hamer, F. & C. H. Dodson in C. H. Dodson. 1982. Icones Plantarum Tropicarum Pl. 800.
- Harling, G. 1958. Monograph of the Cyclanthaceae. Act. Hort. Berg. 18: 1-428.
- Hatfield, G. M. et al. 1981. An investigation of Panamanian ipecac: botanical source and alkaloid analysis. J. Nat. Prod. 44: 452-456.
- Hekking, W. H. A. 1979. Studies on neotropical Violaceae tribe Rinoreae I. Phytologia 43: 461-489.
- Holmes, W. C. & S. McDaniel. 1979. Notes on *Mikania* (Compositae) V. Phytologia 41: 187.
- ICBN. 1966. International Code of Botanical Nomenclature. Regnum Veg. 46. Int. Bureau for Plant Taxonomy and Nomenclature: Utrecht.
- ICBN. 1972. International Code of Botanical Nomenclature. Regnum Veg. 82. A. Oosthoek's Uitgev.: Utrecht.
- ICBN. 1978. International Code of Botanical Nomenclature. Regnum Veg. 97. Bohn, Scheltema & Holkema: Utrecht.
- ICBN. 1983. International Code of Botanical Nomenclature. Regnum Veg. 111. Bohn, Scheltema & Holkema: Utrecht.
- Ilitis, H. 1981. Studies in the Capparidaceae XV: *Capparis panamensis*, n. sp. Ann. Missouri Bot. Gard. 68: 681-685.
- Irwin, H. S. & R. C. Barneby. 1978. Monographic studies in *Cassia* (Leguminosae-Caesalpinioideae). III. Sections *Absus* and *Grimaldia*. Mem. New York Bot. Gard. 30: 1-300.
- & ———. 1982. The American Cassiinae: a synoptical revision of Leguminosae tribe Cassieae subtribe Cassiinae in the New World. Mem. New York Bot. Gard. 35(1-2): 1-918.
- Janzen, D. H. 1974. Swollen-thorn acacias of Central America. Smithsonian Contr. Bot. 13: 1-101.
- Jenny, R. 1983. Die Gongorinae, 6. *Gongora* Teil VI. *Gongora gibba*, *Gongora aromatica*, *Gongora grossa*, *Gongora fulva*. Die Orchidee 34: 147-157.
- . 1984. Die Gongorinae, 6. *Gongora* Teil IX. *Gongora claviodora* und *Gongora odoratissima*. Die Orchidee 35: 172-176.
- Johnson, I. M. 1949. The botany of San José Island. Sargentia 8: 1-306.
- Johnston, M. C. & L. A. Johnston. 1978. *Rhamnus*. Fl. Neotrop. Monogr. 20: 1-96.
- Kaastra, R. C. 1982. Pilocarpinae (Rutaceae). Fl. Neotrop. 33: 1-185.
- Keil, D. & T. Stuessy 1981. Systematics of *Isocarpha* (Compositae: Eupatorieae). Syst. Bot. 6: 258-287.
- . 1981. *Pectis linifolia* (Composite: Tageteae) added to the flora of Panama. Ann. Missouri Bot. Gard. 68: 225.
- Kennedy, H. 1978. Notes on Central American Marantaceae III. New species of *Calathea* from Costa Rica and Panama. Brenesia 8: 351.
- . 1978. *Calathea elegans* and *C. spiralis* — new Panamanian Marantaceae. Bot. Not. 131: 349.
- . 1978. Systematics and pollination of the "closed-flowered" species of *Calathea* (Marantaceae). Univ. Calif. Pub. Bot. 71: 41.
- King, R. M. & H. Robinson. 1983. Studies in the Eupatorieae (Asteraceae) CCXVI: various new species from the Andes and Panama. Phytologia 54: 36-51.
- . 1985. Studies in the Eupatorieae (Asteraceae). CCXXI. Additional species from tropical America. Phytologia 58: 258-272.
- Knapp, S. D. 1986. A revision of *Solanum* section *Geminata* (G. Don) Walpers. Ph.D. thesis, Cornell Univ.
- Kress, J. 1981. New Central American taxa of *Heliconia* (Heliconiaceae). J. Arnold Arboretum 62: 244-260.
- . 1984. Systematics of Central American *Heliconia* (Heliconiaceae) with pendent inflorescences. J. Arnold Arboretum 64: 429-532.
- Krukoff, B. A. 1979. Supplementary notes on the American species of *Strychnos* XVI. Phytologia 41: 201-238.
- . 1982. Supplementary notes on American Menispermaceae XVII. Phytologia 50: 80-111.
- Leeuwenberg, A. J. M. 1974 [1975]. The Loganiaceae of Africa XII. A revision of *Mitreola*. Meded. Landbouwhogeschool 74-23: 1-28.
- . 1976. The Apocynaceae of Africa I: *Tabernaemontana* L. Adansonia sér. 2, 16: 383-392.
- León, J. 1966. Central American and West Indian species of *Inga* (Leguminosae). Ann. Missouri Bot. Gard. 53: 115-264.
- Linnaeus, C. 1753. Species Plantarum. Stockholm.
- Lleras, E. 1978. Trigoniaceae. Fl. Neotrop. Monogr. 19: 1-73.

- Luer, C. A. 1979. Icones Pleurothallidarum: miscellaneous new species in the Pleurothallidinae. *Selbyana* 5: 145-196.
- . 1981. Miscellaneous new species and combinations in the Pleurothallidinae (Orchidaceae). *Phytologia* 49: 197-240.
- . 1981. Miscellaneous new species and combinations in the Pleurothallidinae (Orchidaceae). *Phytologia* 55: 1175-203.
- . 1981. Miscellaneous new species and combinations in the Pleurothallidinae (Orchidaceae). *Phytologia* 57: 59-64.
- . 1982. Miscellaneous new species and combinations in the Pleurothallidinae (Orchidaceae). *Selbyana* 7: 100-128.
- . 1983. Miscellaneous new species in the Pleurothallidinae (Orchidaceae). *Phytologia* 54: 379-380.
- Lundell, C. 1979. Neotropical Myrsinaceae. *Wrightia* 5: 277-300.
- . 1980. Neotropical Myrsinaceae. *Wrightia* 6: 101-119.
- . 1981. Studies of American plants XX. *Phytologia* 48: 131-136.
- . 1981. Neotropical Myrsinaceae IV. *Phytologia* 48: 137-142.
- . 1981. Neotropical Myrsinaceae VI. *Phytologia* 49: 341-354.
- . 1982. Neotropical Myrsinaceae VII. *Wrightia* 7: 38-50.
- . 1983. Neotropical Myrsinaceae X. *Phytologia* 54: 285.
- . 1984. Neotropical Myrsinaceae XI. *Phytologia* 55: 235-242.
- . 1984. Neotropical Myrsinaceae XII. *Phytologia* 56: 19-27.
- . 1985. Neotropical species of the genus *Perrottetia* (Celastraceae). *Phytologia* 57: 231-238.
- . 1985. Neotropical Myrsinaceae XVI. *Phytologia* 57: 449-452.
- . 1985. Neotropical Myrsinaceae XVII. *Phytologia* 58: 273-278.
- Luteyn, J. L. 1983. Ericaceae-Part 1. *Cavendishia*. *Fl. Neotrop. Monogr.* 35: 1-290.
- Markgraf, F. et al. 1981. Two new species of *Bonafousia* (Apocynaceae) from Panama and Colombia-Ecuador. *Ann. Missouri Bot. Gard.* 68: 677-680.
- Maas, P. J. M. 1981. On the true identity of *Lagenanthus parviflorus* Ewan (Gentianaceae). *Ann. Missouri Bot. Gard.* 68: 685-686.
- Marques, Maria do Carmo Mendes. 1979. Revisão das espécies do gênero *Polygala* L. (Polygalaceae) do Estado do Rio de Janeiro. *Rodriguésia* 31: 69-341.
- Mathias, M. E. & L. Constance. 1962. The Andean genus *Niphogeton* (Umbelliferae) revisited. *Brittonia* 14: 154.
- . 1973. New and reconsidered Mexican Umbelliferae. *Contr. Univ. Mich. Herb.* 11: 1-24.
- & W. L. Theobald. 1981. A revision of the genus *Hyperbaena* (Menispermaceae). *Brittonia* 33: 81-104.
- McDade, L. A. 1982. Three new species of *Aphelandra* (Acanthaceae) from Central America. *Ann. Missouri Bot. Gard.* 69: 402-411.
- Mears, J. A. 1977. The nomenclature and type collections of the widespread taxa of *Alternanthera* (Amaranthaceae). *Proc. Acad. Nat. Sci. Philadelphia* 129: 1-21.
- . 1980. The Linnaean species of *Gomphrena* L. (Amaranthaceae). *Taxon* 29: 85-95.
- Moldenke, H. N. 1979. Additional notes on the genus *Congea* II. *Phytologia* 45: 270-280.
- . 1983. Notes on Eriocaulaceae. *Phytologia* 54: 69-81.
- . 1983. Sixth summary supplement. *Phytologia* 54: 228-245.
- Murphy, H. 1986. A revision of the genus *Fischeria* (Asclepiadaceae). *Syst. Bot.* 11: 229-241.
- Odyssey 1966. *The Odyssey World Atlas*. Golden Press: New York.
- Ornduff, R. 1979. Neotropical *Nymphoides* (Menyanthaceae). *Brittonia* 21: 346-352.
- Pennington, T. D. 1981. Meliaceae. *Fl. Neotrop. Monogr.* 28: 1-470.
- Pipoly, J. J. & C. L. Lundell. 1982. Contributions toward a monograph of *Cybianthus* (Myrsinaceae) II. *Wrightia* 7: 52-54.
- Pilz, G. E. 1981. Sapotaceae of Panama. *Ann. Missouri Bot. Gard.* 68: 172-203.
- Polhill, R. M. & W. T. Stearn. 1976. Linnaeus's notes on Plumier drawings with special reference to *Mimosa latisiliqua*. *Taxon* 25: 323-325.
- & P. H. Raven. 1981. *Advances in Legume Systematics*. 2 vols. Royal Botanic Gardens: Kew.
- Porter, D. M. 1970. A new *Tetragastris* (Burseraceae) from Panama. *Madroño* 20: 346-347.
- Prance, G. T. 1983. Additions to neotropical Dichapetalaceae. *Brittonia* 35: 49-54.
- Prance, G. T. & S. A. Mori. 1979. Lecythidaceae—Part 1 The Actinomorphic-flowered New World Lecythidaceae (*Asteranthos*, *Gustavia*, *Grias*, *Allantoma*, & *Cariniana*). *Fl. Neotrop. Monogr.* 21: 1-270.
- Raven, P. H. & D. I. Axelrod. 1978. Origin and relationships of the California Flora. *Univ. Calif. Pub. Bot.* 72: 1-134.
- Rhodes, D. G. A revision of the genus *Cissampelos*. *Phytologia* 30: 415-484.
- Robertson, K. 1982. *Odonella*, a new genus of Convolvulaceae from tropical America. *Brittonia* 34: 417-423.
- Robbrecht, R. 1982. The identity of the Panamanian genus *Dressleriopsis* (Rubiaceae). *Ann. Missouri Bot. Gard.* 69: 429.
- Rodríguez-Carrasquilla, H. A. 1980. Studies in neotropical Sapotaceae III. *Phytologia* 45: 287-288.
- Rohwer, J. 1982. A taxonomic revision of the genera *Seguieria* Loefl. and *Gallesia* Casar. *Mitt. Staatssaml. Bot. München* 18: 231-288.

- Rudd, V. E. 1981. Two new species of *Paramachaerium* (Leguminosae) and a brief résumé of the genus. *Brittonia* 33: 435-440.
- . 1982. *Dalbergia darienensis* (Leguminosae), a new species from Panama. *Phytologia* 50: 183-184.
- Seemann, B. 1854. The Botany of the H.M.S. *Herald* (Flora of the Isthmus of Panama). London.
- Senghas, K. & L. Bockemuhl. 1984. *Brassavola glauca* Lindl. 1839. *Die Orchidee* 35: 107.
- Seymour, F. C. 1981. Bipinnate Leguminosae of Nicaragua. *Phytologia* 48: 1-72.
- Seigerist, E. 1984 [1985]. Herbarium specimens of the Orchidaceae of Central Central America. *Selbyana* 7: 281-311.
- Sheffer, R.C., W. L. Theobald & H. Kamemoto. 1980. Taxonomy of *Anthurium scandens* (Araceae). *Aroideana* 3: 86-93.
- Smith, L. B. & R. W. Read. 1979. Notes on Bromeliaceae XL. *Phytologia* 41: 329-345.
- Snelders, H. C. in P. J. M. Maas & H. C. Snelders. 1981. Burmanniaceae in Notes on New World saprophytes II. *Acta Bot. Neerl.* 30: 140-143.
- Soderstrom, T. R. 1982. *Cryptochloa dressleri* (Poaceae), a new bambusoid grass from Panama. *Brittonia* 34: 25-29.
- & F. O. Zuloaga. 1985. New species of grasses in *Arberella*, *Cryptochloa*, and *Raddia* (Poaceae: Bambusoideae: Olyreae). *Brittonia* 37: 22-35.
- Sohmer, S. H. 1977. A revision of *Chamissoa*. *Bull. Torrey Bot. Club* 104: 111-126.
- Stafleu, F. A. & R. S. Cowan. 1976-. Taxonomic Literature. *Regnum Veg.* 94, 98, 105, 110, 112, 115. Bohn, Scheltema & Holkema: Utrecht.
- Standley, P. C. 1927. The flora of Barro Colorado Island. *Smithsonian Misc. Collect.* 78(8): 1-132.
- . 1928. Flora of the Panama Canal Zone. *Contr. U. S. Natl. Herb.* 27: 1-416.
- Stearn, W. T. 1971. Linnaean classification, nomenclature, and method. Appendix, Pp. 242-249 in W. Blunt. *The Compleat Naturalist: A Life of Linnaeus*. Viking: New York.
- Steyermark, J. A. 1963. Flora of Missouri. Iowa Univ. Press: Ames.
- . 1984. Piperaceae. Vol 2, part 2. Flora de Venezuela. Inst. Nac. Parques.
- Taylor, C. M. & D. Lorence. 1985. Lectotypification of *Palicourea galeottiana* M. Martens (Rubiaceae) and a new name for this common species. *Taxon* 34: 669.
- The World Almanac & Book of Facts 1981. Newspaper Enterprise Association, Inc: New York.
- Torres, A. M. 1968. Revision of *Jaegeria* (Compositae- Heliantheae). *Brittonia* 20: 52- 73.
- Tucker, G. C. 1983. The taxonomy of *Cyperus* (Cyperaceae) in Costa Rica and Panama. *Syst. Bot. Monogr.* 2: 1-85.
- . 1986. The species of *Cyperus* described by Liebmann in "Mexico's halvgraes." *Syst. Bot.* 11: 14-19.
- Uitley, J. F. 1983. A revision of the Middle American thecophylloid *Vrieseas* (Bromeliaceae). *Tulane Stud. Zool. Bot.* 24: 1-81.
- Van Beek, T. A., R. Verpoorte, A. Baerheim Svendsen, A. J. M. Leeuwenberg, & N. G. Bisset. 1984. *Tabernaemontana* L. (Apocynaceae): a review of its taxonomy, phytochemistry, ethnobotany and pharmacology. *J. Ethnopharmacol.* 10: 1-156.
- Van der Werff, H. 1984. Notes on neotropical Lauraceae. *Ann. Missouri Bot. Gard.* 71: 1180-1183.
- Weber, W. A. 1982. Mnemonic three-letter acronyms for the families of vascular plants: a device for more effective herbarium curation. *Taxon* 31: 74-88.
- Whalen, M. D. et al. 1981. Taxonomy of *Solanum* section *Lasiocarpa*. *Gentes Herb.* 12: 1-129.
- Wilbur, R. L. 1981. Additional Panamanian species of *Burmeistera* (Campanulaceae: Lobelioideae). *Ann. Missouri Bot. Gard.* 68: 167-171.
- & J. L. Luteyn. 1981. Additions to the Ericaceae of Panama. *Missouri Bot. Gard.* 68: 154-166.
- Wilder, G.J. 1978. Two new species and a new subgenus of Cyclanthaceae. *J. Arnold Arboretum* 59: 74-102.
- Williams, L.O. & P.H. Allen. 1980. Orchids of Panama. *Monogr. Syst. Bot. Missouri Botanical Garden*. Vol. 4. [facsimile reprint of Orchidaceae fascicles from Flora of Panama with checklist by R.E. Dressler.]
- Willis, J. C. 1966. A Dictionary of Flowering Plants and Ferns. ed. 7, rev. H. K. Airy Shaw. Cambridge Univ. Press: Cambridge.
- Windler, D. R. 1966. A revision of the genus *Neptunia* (Leguminosae). *Austral. J. Bot.* 14: 379-420.
- Wit, H. C. D. de. 1974. Typification of *Leucaena leucocephala* (Lam.) de Wit, *Lysiloma latisiliquum* (L.) Bth., and *Acacia glauca* (L.) Moench. *Taxon* 24: 349-352.
- Woodson, Robert E., Jr. 1943-1981. Flora of Panama. *Ann. Missouri Bot. Gard.*, various issues, vols. 30-67.
- Wunderlin, R. P. 1973. The tribe Cerceae and a revision of *Bauhinia* subgenus *Bauhinia* in Middle America and Antilles. Ph.D. thesis. Pp. 360. St. Louis Univ.
- Wurdack, J. J. 1981. Certamen Melastomataceis XXXII. *Phytologia* 48: 238-252.

TABLE 17
SYMBOLS FOR OCCURRENCES OUTSIDE OF PANAMA

1. BY SYMBOL.

abc . . . Aruba, Bonaire, Curaçao	ecu . . . Ecuador	lag . . . Lesser Antilles (general)	per . . . Peru
afr . . . Africa	end . . . endemic to Panama	mex . . . Mexico	pr . . . Puerto Rico
ang . . . Antilles (general)	eur . . . Florida	nag . . . North America	sag . . . South America general
asi . . . Asia	exp . . . to be expected in Panama	nao . . . U.S.A.	sal . . . El Salvador
bah . . . Bahamas	fla . . . Florida	nas . . . Southern United States	sao . . . South America other (Brazil, etc.)
bel . . . Belize	gag . . . Greater Antilles (general)	nic . . . Nicaragua	sat . . . South America tropical
bol . . . Bolivia	gal . . . Galapagos	not . . . not in Panama	tex . . . Texas
cag . . . Central America (general)	gua . . . Guatemala	nwg . . . New World (general)	trt . . . Trinidad, Tobago
cal . . . California	gui . . . Guianas	nwt . . . New World (tropical)	ven . . . Venezuela
col . . . Colombia	his . . . Hispaniola	oce . . . Oceania (incl. Australia)	wdt . . . Pantropical
cr . . . Costa Rica	hon . . . Honduras	owg . . . Old World general	wdw . . . Cosmopolitan (worldwide)
cub . . . Cuba	jam . . . Jamaica	owt . . . Old World tropical	wr . . . without range

SYMBOLS FOR OCCURRENCES OUTSIDE OF PANAMA

2. BY REGION.

PANAMA		NORTH AMERICA		SOUTH AMERICA		ANTILLES		OLD WORLD	
endemic	end	Florida	fla	Colombia	col	Bahamas	bah	Africa	afr
to be expected in Panama	exp	Texas	tex	Venezuela	ven	Cuba	cub	Europe	eur
not in Panama	not	California	cal	Guianas	gui	Hispaniola	his	Asia	asi
		Mexico	mex	Ecuador	ecu	Puerto Rico	pr	Oceania	oce
CENTRAL AMERICA		Southern United States . .	nas	Galapagos	gal	Trinidad, Tobago	trt	Old World general	owg
Costa Rica	cr	United States	nao	Peru	per	Aruba, Bonaire, Curaçao	abc	Old World tropical	owt
Nicaragua	nic	(North America other)		Bolivia	bol	Greater Antilles general .	gag		
El Salvador	sal	North America	nag	South America tropical	sat	Lesser Antilles general .	lag	NEW WORLD	
Guatemala	gua	(North America general, includes Canada)		South America general	sag	Antilles general	ang	New World tropical	nwt
Belize	bel			South America other	sao			New World general	nwg
Central America general .	cag			(includes Brazil)					
		GENERAL							
		Pantropical	wdt						
		(worldwide, tropical)							
		Cosmopolitan (worldwide)	wdw						
		Without range	wr						
ELEVATION SYMBOLS									
0 . . below 1000 m									
1 . . 1,000–2,000 m									
2 . . 2,000–3,000 m									
3 . . 3,000 m and over									
we . . elevation not available									

TABLE 18
LIST OF FAMILIES

Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)
ACANTHACEAE	ACA	266	(177)	CAMPANULACEAE	CAM	276	(183)	DROSERACEAE	DRS	112	(76a)
AIZOACEAE	AIZ	84	(57)	CASUARINACEAE	CAS	51	(—)	DIOSCOREACEAE	DSC	43	(26)
ALISMATACEAE	ALI	15	(4)	CYCADACEAE	CCD	1	(1)	EBENACEAE	EBN	240	(155)
AMARANTHACEAE	AMA	79	(53)	COCHLOSPERMACEAE	CCH	195	(126)	ELAEOCARPACEAE	ELC	171	(113)
AMARYLLIDACEAE	AML	40	(24)	CARYOCARACEAE	CCR	183	(120)	ERICACEAE	ERI	233	(148, 149)
ANACARDIACEAE	ANA	153	(101)	CELASTRACEAE	CEL	158	(103)	ERIOCAULACEAE	ERO	30	(15)
ANNONACEAE	ANN	98	(67)	CHENOPODIACEAE	CHN	78	(52)	ERYTHROXYLACEAE	ERX	134	(87)
APOCYNACEAE	APO	247	(162)	CISTACEAE	CIS	193	(124)	EUPHORBIACEAE	EUP	147	(97)
AQUIFOLIACEAE	AQF	157	(102)	CLETHRACEAE	CLE	230	(147)	FAGACEAE	FAG	62	(41)
ARACEAE	ARA	23	(11)	CALLITRICHACEAE	CLL	148	(98)	FLACOURTIACEAE	FLC	199	(128)
ARALIACEAE	ARL	227	(144)	CHLORANTHACEAE	CLR	54	(35)	GENTIANACEAE	GEN	246	(160, 161)
ARISTOLOCHIACEAE	ARS	74	(50)	COMBRETACEAE	CMB	221	(139)	GERANIACEAE	GER	129	(85)
ARAUCARIACEAE	ARU	6	(—)	COMMELINACEAE	CMM	33	(18)	GNETACEAE	GNE	7	(2a)
ASCLEPIADACEAE	ASC	248	(163)	COMPOSITAE	CMP	280	(184)	GRAMINEAE	GRM	19	(7)
AVICENNIACEAE	AVI	253a	(168a)	CANNACEAE	CNA	47	(31)	GESNERIACEAE	GSN	262	(175)
BASELLACEAE	BAS	86	(58a)	CONNARACEAE	CNN	127	(82)	GUTTIFERAE	GUT	187	(123)
BATAACEAE	BAT	81	(55)	CONVOLVULACEAE	CNV	249	(164)	HAEMODORACEAE	HAE	39	(23)
BEGONIACEAE	BEG	208	(133)	CORNACEAE	COR	229	(146)	HALORAGACEAE	HAL	225	(143)
BERBERIDACEAE	BER	93	(63)	CAPPARACEAE	CPP	107	(73)	HIPPOCASTANACEAE	HCS	164	(107)
BETULACEAE	BET	61	(40)	CAPRIFOLIACEAE	CPR	271	(180)	HYDROCHARITACEAE	HDC	17	(5a)
BIGNONIACEAE	BIG	258	(172)	CARICACEAE	CRC	205	(131)	HUMIRIACEAE	HOU	133	(87a)
BIXACEAE	BIX	194	(125)	CORIARIACEAE	CRR	151	(100)	HIPPOCRATEACEAE	HPC	159	(104)
BALSAMINACEAE	BLS	168	(110)	CRASSULACEAE	CRS	115	(77)	HERNANDIACEAE	HRN	103	(71)
BROMELIACEAE	BML	32	(17)	CRUCIFERAE	CRU	105	(74)	HYDROPHYLLACEAE	HYD	251	(166)
BURMANNIACEAE	BMN	49	(28)	CARYOPHYLLACEAE	CRY	87	(59)	HYPERICACEAE	HYP	187	(123a)
BRUNELLIACEAE	BNL	119	(80a)	CERATOPHYLLACEAE	CTP	89	(61)	ICACINACEAE	ICC	162	(106)
BALANOPHORACEAE	BNP	73	(49)	CUCURBITACEAE	CUC	275	(182)	IRIDACEAE	IRI	44	(27)
BOMBACACEAE	BOM	177	(116)	CUNONIACEAE	CUN	120	(80)	JUGLANDACEAE	JUG	60	(39)
BORAGINACEAE	BOR	252	(167)	CYCLANTHACEAE	CYC	22	(10)	JUNCACEAE	JUN	36	(20)
BURSERACEAE	BRS	139	(91)	CYPERACEAE	CYP	20	(8)	LABIATAE	LAB	254	(169)
BUTOMACEAE	BUT	16	(5)	CYRILLACEAE	CYR	154	(101a)	LAURACEAE	LAU	102	(70)
BUXACEAE	BUX	149	(99)	DICHAPETALACEAE	DCH	146	(96a)	LACISTEMATACEAE	LCS	55	(36)
CACTACEAE	CAC	210	(134)	DILLENACEAE	DLL	180	(118)	LECYTHIDACEAE	LCY	219	(137)

TABLE 18
LIST OF FAMILIES (continued)

Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)
LEGUMINOSAE	LEG	128	(83)	OLEACEAE	OLE	243	(158)	RUTACEAE	RUT	137	(89)
LILIACEAE	LIL	38	(21, 22)	ONAGRACEAE	ONA	224	(142)	SABIACEAE	SAB	166	(109)
LEMNACEAE	LMN	24	(12)	OPILIACEAE	OPI	71	(47)	SALICACEAE	SAL	56	(37)
LENTIBULARIACEAE	LNT	264	(176)	ORCHIDACEAE	ORC	50	(33)	SAPINDACEAE	SAP	165	(108)
LOASACEAE	LOA	206	(132)	OROBANCHACEAE	ORO	261	(174)	SAXIFRAGACEAE	SAX	117	(79)
LOGANIACEAE	LOG	245	(159)	OXALIDACEAE	OXL	130	(84)	SCROPHULARIACEAE	SCR	257	(171)
LORANTHACEAE	LOR	67	(46)	PALMAE	PAL	21	(9)	SIMAROUBACEAE	SMR	138	(90)
LYTHRACEAE	LYT	216	(136)	PAPAVERACEAE	PAP	104	(72)	SOLANACEAE	SOL	256	(170)
MAGNOLIACEAE	MAG	95	(65)	PASSIFLORACEAE	PAS	203	(130)	SAPOTACEAE	SPT	239	(154)
MARTYNIACEAE	MAR	260	(—)	PODOCARPACEAE	PDC	5	(2)	STAPHYLEACEAE	STP	161	(105)
MAYACACEAE	MAY	28	(13)	PODOSTEMACEAE	PDS	113	(78)	STERCULIACEAE	STR	178	(117)
MELIACEAE	MEL	140	(92)	PEDALIACEAE	PED	259	(173)	STYRACACEAE	STY	241	(156)
MALPIGHIACEAE	MLP	141	(93)	POLYGALACEAE	PGL	145	(96)	SYMPLOCACEAE	SYM	242	(157)
MELASTOMATACEAE	MLS	223	(141)	PHYTOLACCACEAE	PHT	83	(56)	THEACEAE	TEA	186	(122)
MALVACEAE	MLV	175	(115)	PIPERACEAE	PIP	53	(34)	THEOPHRASTACEAE	TEO	135a	(151)
MONIMIACEAE	MNM	101	(69)	PLUMBAGINACEAE	PLB	238	(153)	THYMELAEACEAE	THY	214	(135)
MENISPERMACEAE	MNS	94	(64)	POLYGONACEAE	PLG	77	(51)	TILIACEAE	TIL	174	(114)
MENYANTHACEAE	MNY	546a	(161)	POLEMONIACEAE	PLM	250	(165)	TURNERACEAE	TNR	201	(129)
MORACEAE	MOR	64	(43)	PONTEDERIACEAE	PON	34	(19)	TOVARIACEAE	TOV	106	(73a)
MARCGRAVIACEAE	MRC	184	(121)	PORTULACACEAE	POR	85	(58)	TRIGONIACEAE	TRG	142	(94)
MORINGACEAE	MRG	109	(76)	POTAMOGETONACEAE	POT	11	(3a)	TRIURIDACEAE	TRI	18	(6)
MARANTACEAE	MRN	48	(32)	PRIMULACEAE	PRM	237	(152)	TROPAEOLACEAE	TRP	131	(86)
MYRSINACEAE	MRS	236	(150)	PROTEACEAE	PRT	66	(45)	TYPHACEAE	TYP	8	(3)
MYRTACEAE	MRT	222	(140)	QUIINACEAE	QII	185	(121a)	ULMACEAE	ULM	63	(42)
MUSACEAE	MUS	45	(29)	RAFFLESIIACEAE	RAF	75	(50a)	UMBELLIFERAE	UMB	228	(145)
MYRICACEAE	MYR	57	(38)	RANUNCULACEAE	RAN	91	(62)	FAMILY UNKNOWN	UNK	500	(—)
MYRISTICACEAE	MYS	99	(68)	RHAMNACEAE	RHM	169	(111)	FAMILY UNKNOWN	UNP	300	(—)
NAJADACEAE	NAJ	12	(3B)	RHIZOPHORACEAE	RHZ	220	(138)	(PTERIDOPHYTE)			
NYCTAGINACEAE	NYC	80	(54)	ROSACEAE	ROS	126	(81)	NOT VASCULAR PLANT	UNV	501	(—)
NYMPHAEACEAE	NYM	88	(60)	RAPATEACEAE	RPT	31	(16)	URTICACEAE	URT	65	(44)
OCHNACEAE	OCH	182	(119)	RESEDACEAE	RSD	108	(75)	VALERIANACEAE	VAL	273	(181)
OLACACEAE	OLC	72	(48)	RUBIACEAE	RUB	270	(179)	VIOLACEAE	VIO	198	(127)

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

1

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
1 (1) CYCADACEAE					
*Cycas					
*circinalis L.		intr. cult. PROV: pa	000m: 0-1	RANGE: asi	tree
*revoluta Thunb.		intr. cult. PROV: pa	000m: 0-1	RANGE: asi	tree
Zamia					
*acuminata Dyer		PROV: cc	000m: 0-1	RANGE: cr nic vr	herb
chigua Seem.		PROV: ch	000m: 1-2	RANGE: col	subshrub
*fairchildiana L.D. Gomez		PROV: ca ch cn pa sa	000m: 0-1	RANGE: cr ven	subshrub
*manicata Regel		PROV: da pa	000m: 0-1	RANGE: col	herb
*obliqua A. Br.		PROV: ch cn da	000m: 0-1	RANGE: col	subshrub
pseudoparasitica Yates		PROV: cc cn vr	000m: 0-1	RANGE: end	epiphyte
roezlii Linden		PROV: ca	000m: 0-1	RANGE: col	subshrub
skinneri Dietr.		PROV: bo cc ch cn pa sa vr	000m: 0-1,1-2	RANGE: cr nic	subshrub
5 (2) PODOCARPACEAE					
Podocarpus					
*guatemalensis Standl.					
*--var. allenii (Standl.) Buch. & Gray		PROV: bo cc ch he pa vr	000m: 0-1,1-2	RANGE: cr gua	tree
*magnifolius Buch. & N.E. Gray		PROV: da pa	000m: 0-1,1-2	RANGE: gui ven	tree
*oleifolius D. Don		PROV: ch	000m: 1-2	RANGE: col cr ecu per ven	tree
6 ARAUCARIACEAE					
*Araucaria					
*excelsa R. Br.		intr. cult. PROV: ca	000m: 0-1	RANGE: asi	treelet
7 (2A) GNETACEAE					
Gnetum					
leyboldii Tul.					
--var. woodsonianum Markgr.		PROV: bo ca cc da sa	000m: 0-1	RANGE: col	climber

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

2

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
8 (3) TYPHACEAE					
Typha *domingensis Pers.		PROV: bo ca lo	000m: 0-1	RANGE: afr cub ecu nas per sao wdt	herb
11 (3A) POTAMOGETONACEAE					
Halodule wrightii Aschers.		PROV: cn pa	000m: 0-1	RANGE: nwt	marine herb
Potamogeton illinoensis Morong		PROV: cc	000m: 0-1	RANGE: ang cag cal fla mex nag nao tex	aquat herb
Ruppia maritima L.		PROV: ca he pa	000m: 0-1	RANGE: wdw	marine herb
Syringodium filiforme Kutz.		PROV: sa	000m: 0-1	RANGE: ang cag mex nas	herb
12 (3B) NAJADACEAE					
Najas arguta H.B.K.		PROV: ca da	000m: 0-1	RANGE: his sat	aquat herb
guadalupensis (Spr.) Magnus		PROV: bo	000m: 0-1	RANGE: nwg	herb
14 (--) JUNCAGINACEAE					
15 (4) ALISMATACEAE					
Echinodorus bracteatus Mich.		PROV: ca cn pa	000m: 0-1	RANGE: ecu nic	herb
*grandiflorus (Cham. & Schlecht.) Mich.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: gui	aquat herb
*--var. grandiflorus					herb
longipetalus Mich.		PROV: da pa	000m: 0-1	RANGE: sag? sao	herb
*paniculatus Mich.		PROV: pa	000m: 0-1	RANGE: cag sat	herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

1

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
15 (4) ALISMATACEAE cont.					
<i>tenellus</i> (Mart.) Buchenau		PROV: co ch	000m: 0-1	RANGE: cag? col nag sag? sal	herb
* <i>tunicatus</i> Small		PROV: da	000m: 0-1	sao ven RANGE: sat	herb
<i>Sagittaria</i>					
* <i>graminea</i> Michx.		PROV: ca	000m: 0-1	RANGE: nas	herb
*--var. <i>platyphylla</i> Engelm.		PROV: ca co pa	000m: 0-1	RANGE: cag his mex sao sat?	aquat
<i>guyanensis</i> H.B.K.				tr? herb	herb
<i>lanceifolia</i> L.		PROV: bo ca da pa	000m: 0-1	RANGE: ang cag fla mex nas	herb
				sat tex	
16 (5) BUTOMACEAE					
<i>Limnocharis</i>					
<i>flava</i> (L.) Buchenau		PROV: ca co da he lo pa vr	000m: 0-1, 1-2	RANGE: ang cag mex sat	herb
* <i>laforestii</i> Duchass.		PROV: ca pa	000m: 0-1	RANGE: cag sat	herb
17 (5A) HYDROCHARITACEAE					
<i>Halophila</i>					
<i>baillonis</i> Dickie		PROV: vr	000m: 0-1	RANGE: ang sao	marine herb
<i>decipiens</i> Ostenf.		PROV: sa	000m: 0-1	RANGE: ang asi oce sao	marine herb
<i>Hydrilla</i>					
<i>verticillata</i> (L. f.) Royle		intr. PROV: ca	000m: 0-1	RANGE: afr asi eur nas oce	aquat herb
<i>Limnoblum</i>					
* <i>stoloniferum</i> (C. Meyer) Griseb.		PROV: ca	000m: 0-1	RANGE: ang gua nic sat	aquat herb
<i>Thalassia</i>					
<i>testudinum</i> Koenig		PROV: ca sa	000m: 0-1	RANGE: ang bah cag fla mex nas	marine herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
18 (6) TRIURIDACEAE					
Sciaphila					
albescens Benth.		PROV: sa	000m: 0-1	RANGE: gui sag sao ven	herb
*picta Miers		PROV: cn	000m: 0-1, 1-2	RANGE: col	herb
19 (7) GRAMINEAE					
*Acroceras					
zizanioides (H.B.K.) Dandy		PROV: bo ca ch cn pa	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
Aegopogon					
cenchroides Willd.		PROV: ch	000m: 1-2	RANGE: bol cag? mex sag?	herb
*tenellus (DC.) Trin.		PROV: ch	000m: 1-2	RANGE: mex	herb
Agrostis					
hoffmannii Mez		PROV: ch	000m: we	RANGE: cr	herb
*tolucensis Kunth		PROV: ch	000m: 2-3, 3+	RANGE: cag sat	herb
virescens H.B.K.		PROV: ch	000m: 3+	RANGE: bol cag? mex sag?	herb
Andropogon					
angustatus (Presl) Steud.		PROV: ca pa	000m: 0-1	RANGE: cag cub sag	herb
bicornis L.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang bol sao	herb
		pa sa			
glomeratus (Walt.) B.S.P.		PROV: ca ch pa sa	000m: 0-1	RANGE: ang cag fla	herb
leucostachyus Kunth		PROV: ca ch cn pa	000m: 0-1, 1-2	RANGE: ang cag mex sag	herb
selloanus (Hack.) Hack.		PROV: ch pa	000m: 0-1	RANGE: ang bel sag	herb
virginicus L.		PROV: ca pa	000m: 0-1	RANGE: ang cag nag	herb
Antheophora					
hermaphrodita (L.) Kuntze		PROV: ca cn pa	000m: 0-1	RANGE: nwt	herb
*Arberella					
*costaricensis (Hitchc.) Soders. & Calderon		PROV: cn	000m: 0-1	RANGE: cr	herb
*dressleri Soders. & Calderon		PROV: cn	000m: 0-1	RANGE: end	herb
*lancifolia Soders. & Zuloaga		PROV: cc pa	000m: 0-1	RANGE: end	herb
Aristida					
capillacea Lam.		PROV: ca cc ch pa	000m: 0-1	RANGE: bol cag? mex sag? sao	herb
jorullensis Kunth		PROV: ca cc ch pa	000m: 0-1	RANGE: cag? mex	herb
orizabensis Fourn.		PROV: cc	000m: 0-1	RANGE: cag? mex	herb
planifolia Swallen		PROV: ch	000m: 0-1, 1-2	RANGE: col	herb
recurvata H.B.K.		PROV: ca pa	000m: 0-1	RANGE: bel col sao	herb
ternipes Cav.		PROV: ca pa	000m: 0-1	RANGE: bah cag? col cub nao	herb
				tex	
tincta Trin. & Rupr.		PROV: ca pa	000m: 0-1	RANGE: cr sag? sao	herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>Arundinella</i>					
<i>berteroniana</i> (Schult.) Hitchc. & Chase		PROV: bo cc pa	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
<i>confinis</i> (Schult.) Hitchc. & Chase		PROV: ca ch	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
<i>deppeana</i> Nees		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: ang cag? mex sag? sao	herb
<i>hispida</i> (H. & B.) Kuntze		PROV: ch	000m: we	RANGE: sag? sao	herb
<i>Axonopus</i>					
* <i>affinis</i> Chase		PROV: pa	000m: 0-1	RANGE: cag sat	herb
<i>ater</i> Chase		PROV: ca	000m: 0-1	RANGE: wr	herb
<i>aureus</i> Beauv.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: bel bol cag? pr sag? sao trt	herb
<i>caespitosus</i> Swallen		PROV: pa	000m: 0-1	RANGE: gua	herb
<i>capillaris</i> (Lam.) Chase		PROV: pa	000m: 0-1,1-2	RANGE: cr sag? sao trt	herb
<i>centralis</i> Chase		PROV: ca pa	000m: 0-1	RANGE: nic sal ven	herb
<i>chrysoblepharis</i> (Lag.) Chase		PROV: ca cc pa	000m: 0-1	RANGE: bol cr sag? sao trt	herb
<i>compressus</i> (Sw.) Beauv.		PROV: ca cc ch pa	000m: 0-1	RANGE: ang cag? fla owg sag? sao	herb
* <i>poiophyllus</i> Chase		PROV: wp	000m: we	RANGE: hon	herb
<i>purpusii</i> (Mez) Chase		PROV: ca ch pa	000m: 0-1,1-2	RANGE: cag? mex sag? sao	herb
<i>scoparius</i> (Flugge) Kuhl.		PROV: ch	000m: 0-1	RANGE: bol cag sag? sao	herb
<i>Bambusa</i>					
* <i>aculeata</i> (Rupr.) Hitchc.		PROV: ca ch	000m: 0-1	RANGE: cag mex sag	tree
* <i>amplexifolia</i> (Presl) Schult. f.		PROV: ca ch	000m: 0-1	RANGE: col mex ven	herb
* <i>arundinacea</i> Retz.	intr. cult.	PROV: ca	000m: 0-1	RANGE: hon sao	herb
* <i>balcooa</i> Roxb.	cult.	PROV: ca	000m: 0-1	RANGE: asi	herb
* <i>glaucescens</i> Munro	cult.	PROV: ca	000m: 0-1	RANGE: asi	herb
* <i>latifolia</i> H. & B.		PROV: wp	000m: we	RANGE: cag	herb
* <i>multiplex</i> (Lour.) Raeusch.	cult.	PROV: ca	000m: 0-1	RANGE: asi	herb
* <i>nana</i> Roxb.	cult.	PROV: wp	000m: we	RANGE: asi	herb
* <i>paniculata</i> (Munro) Hack.		PROV: wp	000m: we	RANGE: cag sat	herb
* <i>tulda</i> Roxb.	cult.	PROV: ca	000m: 0-1	RANGE: asi hon	herb
<i>vulgaris</i> Wendl.	intr. cult.	PROV: ca	000m: 0-1	RANGE: owg	tree
<i>Bothriochloa</i>					
* <i>bladhii</i> (Retz.) S.T. Blake		PROV: ca cn pa sa	000m: 0-1	RANGE: ang hon	herb
* <i>intermedia</i> (R. Br.) A. Camus	intr.	PROV: ca pa sa	000m: 0-1	RANGE: asi	herb
* <i>pertusa</i> (L.) A. Camus		PROV: ca cc vr	000m: 0-1	RANGE: ang mex ven	herb
<i>saccharoides</i> (Sw.) Rydb.		PROV: pa	000m: 0-1	RANGE: ang mex sat	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>Bouteloua</i>					
<i>americana</i> (L.) Scribn.		PROV: ca pa	000m: 0-1	RANGE: ang cag? cr gua hon herb mex nic sao sat?	
<i>disticha</i> (Kunth) Benth.		PROV: ca cc pa	000m: 0-1	RANGE: col cr cub ecu gua herb hon mex nic per ven	
* <i>media</i> (Fourn.) Gould & Kapadia		PROV: wp	000m: we	RANGE: cr gua hon mex nic herb sat	
<i>repens</i> (Kunth) Scribn. & Merr.		PROV: ca cc pa	000m: 0-1	RANGE: cag col gag mex nag herb ven	
* <i>simplex</i> Lag.		PROV: wp	000m: we	RANGE: cag mex nao sag sao herb	
<i>Brachiaria</i>					
* <i>fasciculata</i> (Sw.) Parodi		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: ang cag? ecu fla sag? herb sao tex	
* <i>mollis</i> (Sw.) Parodi		PROV: ca pa	000m: 0-1	RANGE: cag? mex sag? sao herb	
* <i>mutica</i> (Forssk.) Stapf	cult. nat.	PROV: ca ch pa	000m: 0-1	RANGE: nwg herb	
<i>plantaginea</i> (Link) Hitchc.	intr.	PROV: pa	000m: 0-1	RANGE: bol cag? mex nag sag? herb sao	
<i>Brachypodium</i>					
<i>mexicanum</i> (R. & S.) Link		PROV: ch	000m: 3+	RANGE: bol cag? mex sag? herb	
* <i>Briza</i>					
* <i>minor</i> L.		PROV: ch	000m: 2-3	RANGE: wdw herb	
<i>Bromus</i>					
<i>exaltatus</i> Bernh.		PROV: ch	000m: 3+	RANGE: gua mex herb	
* <i>Calderonella</i>					
* <i>sylvatica</i> Sodars. & Decker		PROV: cn sa	000m: 0-1	RANGE: end herb	
<i>Cenchrus</i>					
<i>brownii</i> R. & S.		PROV: ca ch cn pa	000m: 0-1, 1-2	RANGE: ang bol cag? fla mex herb oce sag? sao	
<i>echinatus</i> L.		PROV: ca pa	000m: 0-1	RANGE: ang cag? nag sag? sao herb	
* <i>incertus</i> M.A. Curtis		PROV: pa	000m: 0-1	RANGE: cag cag? nag sag? sao herb	
* <i>Chaetium</i>					
* <i>bromoides</i> Hensl.		PROV: ch	000m: 1-2, 2-3	RANGE: mex herb	
<i>Chloris</i>					
<i>inflata</i> Link		PROV: ca cn pa	000m: 0-1	RANGE: ang cag? mex sag? sao herb	
<i>radiata</i> (L.) Sw.		PROV: bo ca ch pa	000m: 0-1	RANGE: ang bol cag? mex sag? herb sao	
<i>virgata</i> Sw.		PROV: ca	000m: 0-1	RANGE: ang mex nag owg sag herb	

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
*Chrysopogon					
*aciculatus (Retz.) Trin.		PROV: ca	000m: 0-1	RANGE: afr asi	herb
Chusquea					
longifolia Swallen		PROV: ch	000m: 1-2,2-3	RANGE: cr mex	shrub
*pittieri Hack.		PROV: ch	000m: 1-2	RANGE: cr mex	herb
simpliciflora Munro		PROV: ca cn pa	000m: 0-1	RANGE: cr gua	shrub
*virgata Hack.		PROV: ch	000m: 1-2	RANGE: cr	herb
Cinna					
poaeformis (Kunth) Scribn. & Merr.		PROV: ch	000m: 3+	RANGE: cag? mex per sag?	herb
*Coelorhachis					
*aurita (Steud.) A. Camus		PROV: ch pa	000m: 0-1,1-2	RANGE: cr sag	herb
ramosa (Fourn.) Nash		PROV: pa	000m: 0-1	RANGE: cag col	herb
Coix					
lacryma-jobi L.		intr. cult. nat. PROV: ca ch da	000m: 0-1,1-2	RANGE: owg	herb
Cortaderia					
*haplotricha (Pilger) Conert		PROV: ch	000m: 3+	RANGE: cr per sag?	herb
Cryptochloa					
*concinna (Hook. f.) Swallen		PROV: vr	000m: 0-1,1-2	RANGE: cr	herb
*decumbens Sodars. & Zuloaga		PROV: cn pa	000m: 0-1	RANGE: end	herb
*dressleri Sodars.		PROV: ca cc cn	000m: 0-1	RANGE: end	herb
*granulifera Swallen		PROV: pa	000m: 0-1,1-2	RANGE: cag col	herb
variana Swallen		PROV: ca cc sa	000m: 0-1,1-2	RANGE: col	herb
Ctenium					
conciissum Swallen		PROV: cc ch	000m: 0-1	RANGE: cag	herb
Cymbopogon					
citratus (DC.) Stapf		intr. cult. PROV: ca	000m: 0-1	RANGE: ang asi cag sag	herb
Cynodon					
dactylon (L.) Pers.		PROV: ca	000m: 0-1	RANGE: wdw	herb
Dactyloctenium					
aegyptium (L.) Aschers. & Schweinf.		PROV: ca cc pa	000m: 0-1	RANGE: wdw	herb
*Dendrocalamus					
*latiflorus Munro	cult.	PROV: ca	000m: 0-1	RANGE: asi	herb
*strictus (Roxb.) Nees	cult.	PROV: wp	000m: we	RANGE: afr ang asi	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>*Dichanthelium</i>					
<i>*acuminatum</i> (Sw.) Gould & Clark		PROV: ch	000m: 1-2,3+	RANGE: cag? mex ven	herb
<i>*--var. acuminatum</i>					
<i>*leucoblepharis</i> (Trin.) Gould & Clark					
<i>*--var. pubescens</i> (Vasey) Gould & Clark		PROV: ca cc pa	000m: 0-1	RANGE: ang cag? col mex nag	herb
<i>*sphaerocarpon</i> (Ell.) Gould		PROV: ch	000m: 1-2	RANGE: ang? cag cub mex nag	herb
<i>*viscidellum</i> (Scribn.) Gould		PROV: ch	000m: 0-1,1-2	RANGE: cag? col mex sag? sao	herb
<i>Diectomis</i>					
<i>fastigiata</i> (Sw.) H.B.K.		PROV: ca cc ch pa	000m: 0-1	RANGE: ang cag mex sag	herb
<i>Digitaria</i>					
<i>argillacea</i> (Hitchc. & Chase) Fern.		PROV: cc pa	000m: 0-1	RANGE: ang cag? mex	herb
<i>*bicornis</i> (Lam.) R. & S.		PROV: ca cc ch da he	000m: 0-1	RANGE: ang asi cag sat	herb
<i>*ciliaris</i> (Retz.) Koeler		PROV: ca ch cn da lo	000m: 0-1,1-2	RANGE: ang mex sat wdt	herb
<i>curtigluma</i> Hitchc.		PROV: ch	000m: 1-2	RANGE: cag mex	herb
<i>hirsuta</i> Swallen		PROV: ca pa	000m: 0-1	RANGE: end	herb
<i>horizontalis</i> Willd.		PROV: bo ca ch da pa	000m: 0-1,1-2	RANGE: wdw	herb
<i>insularis</i> Ekman		PROV: ca pa	000m: 0-1	RANGE: ang cag? fla mex sag?	herb
<i>lanuginosa</i> (Nees) Henr.		PROV: ch	000m: 2-3	RANGE: bol sag? sao	herb
<i>*panicea</i> Steud.		PROV: ca	000m: 0-1	RANGE: cub mex	herb
<i>sanguinalis</i> (L.) Scop.		PROV: ca ch pa	000m: 1-2	RANGE: wdw	herb
<i>singularis</i> Mez		PROV: ca pa	000m: 0-1	RANGE: sao	herb
<i>*violascens</i> Link		PROV: ca cc cn pa	000m: 0-1	RANGE: ang cr sat	herb
<i>Echinochloa</i>					
<i>colonum</i> (L.) Link		PROV: ca pa	000m: 0-1	RANGE: bah gag mex nwt sag	herb
<i>cruspavonis</i> (H.B.K.) Schult.		PROV: ca	000m: 0-1,1-2	RANGE: ang bol cag? nag sag?	herb
<i>*polystachya</i> (Kunth) Hitchc.					
<i>*--var. spectabilis</i> (Nees) Martinez		PROV: sa	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
<i>Eleusine</i>					
<i>indica</i> (L.) Gaertn.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: afr ang asi cag sat	herb
<i>*Elionurus</i>					
<i>*tripsacoides</i> Willd.		PROV: cc ch	000m: 0-1,1-2	RANGE: nwg	herb
<i>*--var. ciliaris</i> (H.B.K.) Hack.		PROV: ch	000m: 0-1	RANGE: cag mex ven	herb

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
*Elytrostachys *clavigera McClure		PROV: vr	000m: 0-1	RANGE: cr sao	herb
Eragrostis acutiflora (Kunth) Nees		PROV: ca cc ch pa	000m: 0-1	RANGE: bel bol cag? sag? sao trt	herb
ciliaris (L.) R. Br.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: wdw	herb
hypnoides (Lam.) B.S.P.		PROV: ca cc cn	000m: 0-1	RANGE: ang cag? nag sag? sao	herb
maypurensis (Kunth) Steud.		PROV: ca cc ch pa	000m: 0-1	RANGE: bol mex sag? sao	herb
*mexicana (Hornem.) Link		PROV: ch	000m: 2-3	RANGE: cag per ven	herb
*prolifera (Sw.) Steud.		PROV: he pa	000m: 0-1	RANGE: ang cag? col mex	herb
simpliciflora (Presl) Steud.		PROV: cc pa	000m: 0-1	RANGE: cag mex	herb
*tenella R. & S. intr.		PROV: ca ch cn	000m: 0-1	RANGE: wdw	herb
tephrosanthos Schult.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: ang cag? nag sag? sao	herb
*unioloides Steud.		PROV: ca ch	000m: 0-1	RANGE: bol ven	herb
Eriochloa distachya H.B.K.		PROV: cc pa	000m: 0-1	RANGE: cag? gua sag? sao	herb
punctata Hamilt.		PROV: bo da	000m: 0-1	RANGE: ang cag? nag sag? sao	herb
Eriochrysis cayennensis Beauv.		PROV: ch	000m: 0-1,1-2	RANGE: ang cag? mex sag? sao	herb
*Euclasta condylotricha (Hochst.) Stapf		PROV: ca	000m: 0-1	RANGE: afr ang cag? col mex ven	herb
Eustachys *petrea (Sw.) Desv.		PROV: ca cn sa	000m: 0-1	RANGE: ang mex nag trt	herb
Festuca amplissima Rupr.		PROV: ch	000m: 2-3,3+	RANGE: cag mex	herb
chiriquensis Swallen		PROV: ch	000m: 1-2	RANGE: cr	herb
dolichophylla Presl		PROV: ch	000m: 3+	RANGE: sag? sao	herb
Gymnopogon fastigiatus Nees		PROV: cc	000m: 0-1	RANGE: cr sao	herb
Gynerium sagittatum (Aubl.) Beauv.		PROV: ca da	000m: 0-1	RANGE: ang cag mex sag sao	aquat herb
Hackelochloa granularis (L.) Kuntze		PROV: ca cc ch pa	000m: 0-1	RANGE: wdw	herb
*Holcus *lanatus L.		PROV: bo ch	000m: 0-1,1-2	RANGE: cr sag sat	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>Homolepis</i>					
<i>aturensis</i> (H.B.K.) Chase		PROV: bo ca ch cn pa	000m: 0-1,1-2,2-3	RANGE: bol cag? mex sag? sao	herb
* <i>glutinosum</i> (Sw.) Zuloaga & Soderst.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: cag hon mex per sag	herb
* <i>isocalycia</i> (G. Meyer) Chase		PROV: ca pa	000m: 0-1	RANGE: gui sao ven	herb
<i>Hymenachne</i>					
<i>amplexicaulis</i> (Rudge) Nees		PROV: ca cc da	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
<i>donacifolia</i> (Raddi) Chase		PROV: ca pa	000m: 0-1	RANGE: wdw bol cr cub sag? sao	herb
<i>Hyparrhenia</i>					
<i>bracteata</i> (H. & B.) Stapf		PROV: cc ch	000m: 0-1,1-2	RANGE: cag sag	herb
<i>rufa</i> (Nees) Stapf	intr. cult.	PROV: ca pa	000m: 0-1	RANGE: cag owg sag	herb
* <i>Hypogynium</i>					
* <i>virgatum</i> (Desv.) Dandy		PROV: ch	000m: 0-1,1-2	RANGE: ang cr sag	herb
<i>Ichnananthus</i>					
<i>axillaris</i> (Nees) Hitchc. & Chase		PROV: ca ch pa	000m: 0-1	RANGE: ang cag? ecu gua sag?	herb
* <i>brevivaginatus</i> Swallen		PROV: ca ch pa	000m: 0-1	RANGE: bel cag?	herb
* <i>nemoralis</i> (Schrad.		PROV: pa	000m: 0-1	RANGE: bel gui hon trt ven	herb
<i>nemorosus</i> (Sw.) Doell		PROV: bo ch da	000m: 1-2,2-3,3+	RANGE: ang cag? gua	herb
<i>pallens</i> Benth.		PROV: bo bo ca ch da	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
<i>tenuis</i> (Presl) Hitchc. & Chase		PROV: pa bo ca ch da pa	000m: 0-1,1-2	RANGE: bel cag? col sag? sao	herb
<i>Imperata</i>					
* <i>brasiliensis</i> Trin.		PROV: pa	000m: 0-1	RANGE: ang cag	herb
<i>contracta</i> (H.B.K.) Hitchc.		PROV: bo ca ch	000m: 0-1	RANGE: ang cag? mex per sag?	herb
<i>Isachne</i>					
<i>arundinacea</i> (Sw.) Griseb.		PROV: cc ch	000m: 0-1,1-2,3+	RANGE: bol col cr ecu gua	herb
<i>polygonoides</i> (Lam.) Doell		PROV: ca cc ch cn pa	000m: 0-1	RANGE: hon jam mex trt ven	herb
<i>Ischaemum</i>					
* <i>indicum</i> (Houtt.) Merr.	intr.	PROV: ca	000m: 0-1	RANGE: asi gui	herb
* <i>latifolium</i> (Spr.) Kunth		PROV: wp	000m: we	RANGE: cag sat	herb
<i>rugosum</i> Salisb.	intr.	PROV: bo ca cc da lo	000m: 0-1	RANGE: ang ecu mex owg sao	herb
		pa			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>Jouvea</i> <i>straminea</i> Fourn.		PROV: pa	000m: 0-1	RANGE: cag? mex	herb
<i>Lasiacis</i> <i>divaricata</i> (L.) Hitchc. --var. <i>divaricata</i>		PROV: ca on pa	000m: 0-1	RANGE: ang bol cag fla mex sao sat	herb
*linearis Swallen		PROV: ch	000m: 0-1,1-2	RANGE: cag	herb
*nigra Davidse		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cag mex sat	herb
<i>oaxacensis</i> (Steud.) Hitchc.		PROV: bo ca ch da pa	000m: 0-1	RANGE: ang cag col ecu mex per sat? ven	herb
*--var. <i>maxonii</i> (Swallen) Davidse		PROV: ch	000m: 1-2	RANGE: or nic	herb
<i>procerrima</i> (Hack.) Hitchc.		PROV: bo ca cc ch cn pa sa	000m: 0-1,1-2,2-3	RANGE: cag mex per sat	herb
*rhizophora (Fourn.) Hitchc.		PROV: ch	000m: 1-2	RANGE: cag col mex	herb
*rugellii (Griseb.) Hitchc. *--var. <i>pohlii</i> Swallen		PROV: bo cc pa	000m: 0-1	RANGE: or gua nic	herb
<i>ruscifolia</i> (H.B.K.) Hitchc.		PROV: bo ca cc ch he lo pa vr	000m: 0-1	RANGE: cag col ecu gag mex per ven	herb
<i>scabrior</i> Hitchc.		PROV: bo cc cn da lo pa sa vr	000m: 0-1	RANGE: cag col ecu gua mex per	herb
<i>sorghoidea</i> (Desv.) Hitchc. & Chase		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: ang bol cag mex sag sao	herb
<i>standleyi</i> Hitchc.		PROV: ca ch da he pa vr	000m: 0-1,1-2	RANGE: cag col or ecu mex ven	herb
<i>Leersia</i> <i>hexandra</i> Sw.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag? nag sag? sao	herb
*ligularis Trin. *--var. <i>grandiflora</i> (Doell) Pyrah		PROV: ch	000m: we	RANGE: cag? mex sag? sao	herb
<i>Leptochloa</i> <i>filiformis</i> (Lam.) Beauv.		PROV: ca pa	000m: 0-1	RANGE: cag? nag sag? sao	herb
*longa Griseb.		PROV: sa	000m: 0-1	RANGE: trt	herb
*scabra Nees		PROV: bo ch da pa	000m: 0-1	RANGE: cag sao sat trt	herb
<i>virgata</i> (L.) Beauv.		PROV: bo ca ch cn da lo pa	000m: 0-1	RANGE: ang cag? fla sag? sao tex vdw	herb
<i>Leptocoryphium</i> <i>lanatum</i> (H.B.K.) Nees		PROV: ca	000m: 0-1,1-2	RANGE: ang cag? mex sag? sao	herb
<i>Lithachne</i> <i>pauciflora</i> Poir.		PROV: ca ch pa	000m: 0-1,1-2	RANGE: ang cag? mex sag? sao	herb
* <i>Loium</i> *multiflorum Lam.		intr. PROV: ch	000m: 3+	RANGE: asi	herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>Luziola</i> <i>subintegra</i> Swallen		PROV: ca	000m: 0-1	RANGE: ang per	herb
* <i>Maclurolyra</i> * <i>tecta</i> Calderon & Soders.		PROV: cc cn pa sa	000m: 0-1	RANGE: col	herb
* <i>Melinis</i> * <i>minutiflora</i> Beauv.		PROV: ca ch pa vr	000m: 0-1,1-2,2-3,3+	RANGE: ang hon sat	herb
<i>Mesosetum</i> <i>pittieri</i> Hitchc.		PROV: cc pa	000m: 0-1	RANGE: cag	herb
<i>Muhlenbergia</i> * <i>implicata</i> (Kunth) Kunth		PROV: ch	000m: 1-2,2-3	RANGE: cag ven	herb
* <i>lehmanniana</i> Henr.		PROV: cc ch	000m: 1-2	RANGE: cag nag	herb
<i>setarioides</i> Fourn.		PROV: ch	000m: we	RANGE: cag? mex	herb
<i>tenella</i> (Kunth) Trin.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag? mex	herb
<i>tenuissima</i> (Presl) Kunth		PROV: ca pa	000m: 0-1	RANGE: mex	herb
* <i>Neurolepis</i> * <i>pittieri</i> McClure		PROV: ch	000m: 2-3	RANGE: ven	herb
<i>Olyra</i> * <i>caudata</i> Trin.		PROV: cc da sa	000m: 0-1,1-2	RANGE: cr	herb
* <i>ecaudata</i> Doell		PROV: da pa	000m: 0-1	RANGE: per sao ven	herb
* <i>fasiculata</i> Trin.		PROV: cn	000m: 0-1	RANGE: wr	herb
* <i>lateralis</i> (Presl) Chase		PROV: he pa	000m: 0-1,1-2	RANGE: bol cr cr sao sat	herb
<i>latifolia</i> L.		PROV: bo ca ch cn da	000m: 0-1	RANGE: ang bol cag? fla mex	tree
		pa sa vr		sag? sao	
* <i>standleyi</i> Hitchc.		PROV: pa	000m: 0-1,1-2	RANGE: ven	herb
<i>Oplismenus</i> <i>burmannii</i> (Retz.) Beauv.		PROV: bo ca ch da lo	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
		pa vr		wdw	
<i>hirtellus</i> (L.) Beauv.		PROV: bo ca cc ch da	000m: 0-1,2-3	RANGE: ang cag? mex sag? sao	herb
		pa			
* <i>setarius</i> (Lam.) R. & S.		PROV: vr	000m: 1-2	RANGE: col cub his jam sag	herb
				sao ven	
<i>Orthoclada</i> <i>laxa</i> (Rich.) Beauv.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: cag? mex per sag? sao	herb
<i>Oryza</i> * <i>alta</i> Swallen		PROV: ca	000m: 0-1	RANGE: hon mex sat	herb
<i>latifolia</i> Desv.		PROV: bo ca cn da pa	000m: 0-1	RANGE: ang bel cag? sag? sao	herb
<i>perennis</i> Moench		PROV: cc	000m: 0-1	RANGE: cub his sag? sao	herb
<i>sativa</i> L.	cult.	PROV: ca cc pa sa	000m: 0-1	RANGE: wdw?	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
<i>Panicum</i>					
altum Hitchc. & Chase		PROV: pa	000m: 0-1	RANGE: ang? bel cag? trt	herb
arundinariae Fourn.		PROV: ch	000m: we	RANGE: cag mex	herb
cayennense Lam.		PROV: ch pa	000m: 0-1	RANGE: cag? gag mex sag? sao	herb
cordovense Fourn.		PROV: ch	000m: we	RANGE: bol cag? mex sag? sao	herb
*dichotomiflorum Michx.		PROV: ca pa	000m: 0-1	RANGE: cag? mex sag? sao	herb
*elephantipes Nees		PROV: wp	000m: we	RANGE: ang col gua sat	herb
frondescens G. Meyer		PROV: bo ca ch cn sa	000m: 0-1	RANGE: cag? mex sag? sao	herb
ghiesbreghtii Fourn.		PROV: ca ch pa	000m: 0-1	RANGE: ang bol cag? mex sag? sao	herb
grande Hitchc. & Chase		PROV: ca cn da pa	000m: 0-1	RANGE: cag? nic trt ven	herb
haenkeanum Presl		PROV: ca ch pa	000m: 0-1	RANGE: cag? col gui mex sao ven	herb
hirsutum Sw.		PROV: bo ca pa sa	000m: 0-1	RANGE: ang hon mex	herb
hirticaule Presl		PROV: ca pa	000m: 0-1	RANGE: bol cag? nag sag?	herb
laxum Sw.		PROV: bo ca cc ch cn da pa	000m: 0-1, 1-2	RANGE: cag? mex sag? sao	herb
maximum Jacq.	intr. cult.	PROV: ca cc da he io pa vr	000m: 0-1	RANGE: afr ang bol cag? fla mex sag? sao	herb
mertensii Roth		PROV: ca pa	000m: 0-1	RANGE: cag? cub mex sag? sao	herb
milleflorum Hitchc. & Chase		PROV: ca pa	000m: 0-1	RANGE: bel sag? sao	herb
pantrichum Hack.		PROV: ch	000m: we	RANGE: sag? sao	herb
pilosum Sw.		PROV: ca cc ch cn da pa sa	000m: 0-1, 1-2, 2-3	RANGE: ang cag? mex sag? sao	herb
polygonatum Schult.		PROV: bo ca cc ch cn da pa sa	000m: 0-1, 1-2	RANGE: cag? mex sag? sao	herb
pulchellum Raddi		PROV: bo ca ch cn io pa	000m: 0-1	RANGE: cag lag mex sag? sao	herb
pyrularium Hitchc. & Chase		PROV: ch	000m: 0-1	RANGE: col sao ven	herb
rudgei R. & S.		PROV: ca pa	000m: 0-1	RANGE: ang? cag? col gua jam sag? sao	herb
schiffneri Hack.		PROV: ch	000m: we	RANGE: ang cag? mex sag? sao	herb
sellowii Nees		PROV: ch	000m: 1-2, 2-3	RANGE: ang cag? mex sag? sao	herb
stagnatile Hitchc. & Chase		PROV: bo ca	000m: 0-1	RANGE: cag? mex	herb
stenodoides F.T. Hubb.		PROV: ca pa	000m: 0-1	RANGE: bel cr sao trt	herb
stoloniferum Poir.		PROV: bo ca pa	000m: 0-1	RANGE: cag? ecu gua sag? sao	herb
*sublaeve Swallen		PROV: pa	000m: 0-1	RANGE: end	herb
trichanthum Nees		PROV: bo ca da io pa	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
trichoides Sw.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1, 1-2	RANGE: ang cag? mex per sag? sao	herb
<i>Pariana</i>					
*aurita Swallen		PROV: ca cn pa sa	000m: 0-1, 1-2	RANGE: per	herb
*campestris Aubl.		PROV: sa	000m: 0-1	RANGE: sao	herb
simulans Tutin		PROV: ca cn	000m: 0-1	RANGE: col cr	herb
strigosa Swallen		PROV: ca da sa	000m: 0-1	RANGE: end	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
*Paspalidium					
*geminatum (Forssk.) Stapf		PROV: ca	000m: 0-1	RANGE: wdw	herb
Paspalum					
acutum Chase		PROV: ca	000m: 0-1	RANGE: sao	herb
*blodgettii Chapm.		PROV: sa	000m: 0-1	RANGE: ang cag	herb
boscianum Flugge		PROV: ch pa	000m: 0-1	RANGE: gua nao pr sao	herb
*brunneum Mez		PROV: ca	000m: 0-1	RANGE: arg	herb
candidum (H. & B.) Kunth		PROV: ch	000m: 1-2, 2-3, 3+	RANGE: cag? mex sag? sao	herb
centrale Chase		PROV: ca cc ch pa	000m: 0-1	RANGE: cag? sal	herb
clavuliferum C. Wright		PROV: ca pa	000m: 0-1	RANGE: ang cag? col mex sao	herb
conjugatum Bergius		PROV: bo ca ch cn da he pa sa	000m: 0-1, 1-2	RANGE: ang cag? fla mex nag? sag? sao tex	herb
--var. pubescens Doell		PROV: bo	000m: 0-1	RANGE: cag? lag mex sag? sao	herb
contractum Pilger		PROV: cc	000m: 0-1	RANGE: sag? sao	herb
convexum H. & B.		PROV: cc ch	000m: 0-1, 1-2	RANGE: cag? cub mex sag? sao	herb
coryphaeum Trin.		PROV: pa	000m: 0-1	trt	herb
decumbens Sw.		PROV: bo ca cc ch cn he pa	000m: 0-1	RANGE: ang bol cag? gua sag? sao	herb
densum Poir.		PROV: ca cc pa	000m: 0-1	RANGE: ang bol sag? sao	herb
fasciculatum Flugge		PROV: bo ca	000m: 0-1	RANGE: cag? ecu mex sag? sao	herb
fimbriatum H.B.K.		PROV: ca	000m: 0-1	RANGE: ang col nao sag? sao	herb
gardnerianum Nees		PROV: cc pa	000m: 0-1	RANGE: sag? sao	herb
heterotrichon Trin.		PROV: ch	000m: we	RANGE: his per sag? sao	herb
hitchcockii Chase		PROV: pa	000m: 0-1	RANGE: col	herb
humboldtianum Flugge		PROV: ch	000m: 1-2, 2-3	RANGE: cag? mex sag? sao	herb
jimenezii Chase		PROV: pa	000m: 0-1	RANGE: cr	herb
lineare Trin.		PROV: ch	000m: 1-2	RANGE: cr cub sag? sao	herb
melanospermum Desv.		PROV: ca	000m: 0-1	RANGE: bol lag? sag? sao	herb
microstachyum Presl		PROV: bo ca ch pa	000m: 0-1	RANGE: cag? ecu gua sag? sao	herb
*millegrana Schrad.		PROV: ca pa	000m: 0-1	RANGE: ang cag sao ven	herb
minus Fourn.		PROV: ca ch pa	000m: 0-1	RANGE: ang bol cag? mex sag? sao	herb
multicaule Poir.		PROV: ca cc ch pa	000m: 0-1	RANGE: bol cag? mex sag? sao trt	herb
notatum Flugge		PROV: ca cc ch pa	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
nutans Lam.		PROV: ca ch da pa	000m: 0-1, 1-2	RANGE: afr cag? hon lag sag? sao	herb
orbiculatum Poir.		PROV: bo ca cn pa	000m: 0-1	RANGE: ang cag? mex sag? sao	herb
paniculatum L.		PROV: bo ca ch cn da pa sa	000m: 0-1, 1-2	RANGE: afr ang cag? mex oce sag? sao	herb
parviflorum Flugge		PROV: pa	000m: 0-1	RANGE: pr sag? sao	herb
pectinatum Nees		PROV: ch pa	000m: 0-1	RANGE: cag? hon sag? sao	herb
pilosum Lam.		PROV: ca ch pa	000m: 0-1	RANGE: bol cr sag? sao	herb
plicatulum Michx.		PROV: ca cc ch cn da he pa sa	000m: 0-1, 1-2	RANGE: ang cag? nag sag? sao	herb
*pulchellum Kunth		PROV: cc	000m: 0-1	RANGE: cag sat	herb

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
repens Bergius		PROV: ca pa	000m: 0-1	RANGE: cag nag nao sag sao	herb
saccharoides Ness		PROV: ca cc ch cn pa sa	000m: 0-1,1-2	RANGE: bol cr lag sag?	herb
*serpentinum Steud.		PROV: cc	000m: 0-1	RANGE: cag sao	herb
*squamulatum Fourn.		PROV: pa	000m: 0-1,1-2	RANGE: ang cag? fla mex	herb
standleyi Chase		PROV: pa	000m: 0-1	RANGE: ecu hon	herb
stellatum H. & B.		PROV: cc vr	000m: 0-1	RANGE: cag? his mex sag? sao	herb
subciliatum Chase		PROV: ca ch pa	000m: 0-1	RANGE: sao	herb
vaginatum Sw.		PROV: ca cn pa	000m: 0-1	RANGE: cag? nag? nao owg sag? sao	herb
virgatum L.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: ang cag? mex sag? sao tex	herb
Pennisetum					
complanatum (Nees) Hemsl.		PROV: ch	000m: we	RANGE: cag? mex	herb
*purpureum Schum.		PROV: bo ca ch cn da pa sa	000m: 0-1,1-2	RANGE: ang cag sat	herb
setosum (Sw.) Rich.		PROV: ca pa	000m: 0-1	RANGE: ang bol cag? fla mex sag? sao	herb
Pereilema					
crinitum Presl		PROV: cc	000m: 0-1	RANGE: cag? ecu mex sag?	herb
Pharus					
cornutus Hack.		PROV: bo	000m: 0-1	RANGE: cr	herb
glaber H.B.K.		PROV: ch	000m: 0-1	RANGE: ang cag? col mex sag? sao	herb
latifolius L.		PROV: bo ca ch cn da pa	000m: 0-1	RANGE: ang bel cag? per sag? sao	herb
longifolius Swallen		PROV: pa	000m: 0-1	RANGE: col	herb
parvifolius Nash		PROV: ca da	000m: 0-1	RANGE: ang cag? cr mex sag? sao	herb
virescens Doell		PROV: pa	000m: 0-1	RANGE: cag? gua his per sag? sao	herb
Phragmites					
*australis Steud.		PROV: ca ch cn da pa	000m: 0-1	RANGE: wdw	herb
Poa					
annua L.	intr.	PROV: ch	000m: 3+	RANGE: cag eur nag sag	herb
*Pohlidium					
*petiolatum Davidse, Soderstrom, & Ellis		PROV: cc	000m: 0-1,1-2	RANGE: end	herb
Polypogon					
elongatus H.B.K.		PROV: ch	000m: 1-2,2-3	RANGE: cag? mex sag? sao	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
Polytrias amaura (Miq.) Kuntze	GRAMINEAE	intr. cult. PROV: ca	000m: 0-1	RANGE: asi cub pr	herb
Pseudechinolaena polystachya (H.B.K.) Stapf		PROV: ch	000m: 0-1,1-2	RANGE: afr bol cag? mex sag? sao	herb
*Raddiella *esenbeckii (Steud.) Calderon & Soders.		PROV: pa	000m: 0-1,1-2	RANGE: sao trt ven	herb
*Rhipidocladum *parviflorum (Trin.) McClure		PROV: da pa	000m: 0-1	RANGE: ven	herb
*pittieri (Hack.) McClure		PROV: wp	000m: we	RANGE: cag	herb
*racemiflorum (Steud.) McClure		PROV: ca ch pa	000m: 0-1	RANGE: cag col mex	herb
*Rhynchelytrum *repens (Willd.) C.E. Hubb. Rupr.		PROV: bo ca ch	000m: 0-1	RANGE: ang cag sat	herb
*Rottboelia *exaltata L. f.		PROV: ca ch da pa sa	000m: 0-1	RANGE: ang cr owt sat	herb
Saccharum officinatum L.		cult. PROV: ca	000m: 0-1	RANGE: wdw	herb
*spontaneum L.		PROV: ca cn	000m: 0-1	RANGE: afr asi	herb
Sacciolepis myuros (Lam.) Chase		PROV: ca cc pa	000m: 0-1	RANGE: bol cag? cub mex sag? sao	herb
striata (L.) Nash		PROV: ca	000m: 0-1	RANGE: ang nag	herb
*Schizachyrium *brevifolium Kunth		PROV: ca cc da he pa	000m: 0-1	RANGE: ang cag mex sag sao wdw	herb
*hirtiflorum Nees		PROV: ch pa	000m: 0-1,1-2	RANGE: ang cag? nag per sag? sao	herb
*microstachyum (Desv.) Roseng. semiberbe Nees		PROV: ca cc ch pa PROV: ca pa	000m: 0-1 000m: 0-1	RANGE: ang cag mex sag? sao RANGE: ang cag? ecu fla mex sag? sao	herb herb
*tenerum Nees		PROV: cc ch	000m: 0-1,1-2	RANGE: ang cag? nag sag? sao	herb
Setaria barbata (Lam.) Kunth	GRAMINEAE	intr. PROV: ca	000m: 0-1	RANGE: ang asi fla sao	herb
geniculata (Lam.) Beauv.		PROV: bo ca cc ch da pa sa	000m: 0-1,1-2	RANGE: ang cag? nag owg sag? sao	herb
paniculifera (Steud.) Fourn.		PROV: bo ca cc da pa	000m: 0-1,1-2	RANGE: ang cag? col mex ven	herb
scandens Schult.		PROV: pa	000m: 0-1	RANGE: ang cag? gua sag? sao	herb

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
tenacissima Schult.		PROV: ch	000m: 0-1	RANGE: ang cag? gua sag? sao	herb
tenax (Rich.) Desv.		PROV: pa	000m: 0-1	RANGE: cag sat	herb
vulpiseta (Lam.) R. & S.		PROV: bo ca da pa sa	000m: 0-1	RANGE: ang cag? mex per sag? sao	herb
Sorghastrum					
incompletum (Presl) Nash		PROV: ca cc ch pa	000m: 0-1	RANGE: afr cag col	herb
*setosum (Griseb.) Hitchc.		PROV: ch	000m: we	RANGE: nag sag	herb
Sorghum					
*bicolor (L.) Moench		PROV: ca da he pa vr	000m: 0-1	RANGE: afr ang cag sat wdv	herb
halapense (L.) Pers.		PROV: ca	000m: 0-1	RANGE: wdv	herb
*Spartina					
*spartinae (Trin.) Merr.		PROV: sa vr	000m: 0-1	RANGE: cag sao ven	herb
Sporobolus					
ciliatus Presl		PROV: ca cc ch pa	000m: 0-1	RANGE: cag? hon sag? sao	herb
cubensis Hitchc.		PROV: ca	000m: 0-1	RANGE: ang cag? gui mex ven	herb
indicus (L.) R. Br.		PROV: ca cc ch cn da he pa vr	000m: 0-1	RANGE: ang col mex sag sao	herb
Jacquemontii Kunth		PROV: ca cc cn he sa vr	000m: 0-1	RANGE: ang cag sao	herb
*purpurascens (Sw.) Hamilt.		PROV: ch	000m: 1-2	RANGE: cag jam	herb
*pyramidatus (Lam.) Hitchc.		PROV: he	000m: 0-1	RANGE: ang cag sat	herb
*tenuissimus (Schrank) Kuntze		PROV: ca	000m: 0-1	RANGE: ang ecu sai	herb
virginicus (L.) Kunth		PROV: ca cn sa	000m: 0-1	RANGE: ang nao sao	herb
Stenotaphrum					
secundatum (Walt.) Kuntze		PROV: bo ca cn pa sa	000m: 0-1	RANGE: afr ang cag? nag nao oce sag? sao	herb
Streptochaeta					
sodiroides Hack.		PROV: ca ch pa	000m: 0-1	RANGE: bel cag ecu	herb
spicata Nees		PROV: ca ch da pa	000m: 0-1	RANGE: ecu gua sag? sao trt	herb
Streptogyne					
*americana C.E. Hubb.		PROV: ca da pa	000m: 0-1	RANGE: cag? mex sag? sao trt	herb
*Swallenochloa					
*vulcanalis Soders. & Calderon		PROV: ch	000m: 2-3	RANGE: cr	shrub
Thrasya					
ciliatifolia Swallen		PROV: ca	000m: 0-1	RANGE: end	herb
gracilis Swallen		PROV: ch	000m: 0-1, 1-2	RANGE: end	herb
hitchcockii Chase		PROV: pa	000m: 0-1	RANGE: ven	herb
petrosa (Trin.) Chase		PROV: ca ch pa	000m: 0-1	RANGE: gua per sag? sao sao	herb
villosa Hitchc.		PROV: ch	000m: we	RANGE: col ven	herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

18

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
19 (7) GRAMINEAE cont.					
Trachypogon					
*plumosus (Willd.) Nees		PROV: ca ch pa	000m: 0-1	RANGE: cag mex	herb
Tripsacum					
*andersonii J.F. Gray		PROV: wp	000m: we	RANGE: cub	herb
*dactyloides (L.) L.		PROV: ca	000m: 0-1	RANGE: cag	herb
fasciculatum Aschers.	cult.	PROV: wp	000m: we	RANGE: wr	herb
latifolium Hitchc.	cult.	PROV: wp	000m: we	RANGE: wr	herb
Trisetum					
deyeuxioides (Kunth) Kunth		PROV: ch	000m: 1-2	RANGE: cag? ecu mex sag?	herb
irazuense (Kuntze) Hitchc.		PROV: ch	000m: 3+	RANGE: cag? ecu mex sag?	herb
pringlei (Scribn.) Hitchc.		PROV: ch	000m: we	RANGE: cr mex	herb
*tonduzii Hitchc.		PROV: ch	000m: 1-2	RANGE: cag	herb
Uniola					
pittieri Hack.		PROV: ca ch pa	000m: 0-1	RANGE: cag? ecu mex sag?	herb
Zea					
mays L.	cult.	PROV: da pa	000m: 0-1	RANGE: cag sag wdw	herb
Zeugites					
mexicana Steud.		PROV: pa	000m: 0-1	RANGE: bol cag? mex sag?	herb
panamensis Swallen		PROV: pa	000m: 0-1	RANGE: end	herb
pittieri Hack.		PROV: wp	000m: we	RANGE: cag	herb
20 (8) CYPERACEAE					
Abildgaardia					
*ovata (Burm. f.) Kral		PROV: ca he pa	000m: 0-1	RANGE: wdw	herb
Ascolepis					
brasiliensis C.B. Clarke		PROV: ch	000m: 1-2	RANGE: afr sao ven	herb
*Becquerelia					
*cymosa Brongn.		PROV: ca cn pa	000m: 0-1	RANGE: cr sat	herb
Bulbostylis					
*acutangula Roxb.		PROV: vr	000m: we	RANGE: wr	herb
*capillaris (L.) C.B. Clarke		PROV: wp	000m: 0-1,1-2	RANGE: bel cub hon mex nao	herb
junciformis S. Moore		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: bol cag? cub hon mex	herb
				sag? sao	
*juncoides (Vahl) Kueken.		PROV: ch	000m: 1-2	RANGE: cag ecu sao ven	herb
paradoxa (Spr.) Lindm.		PROV: ca cc pa vr	000m: 0-1	RANGE: cr cub sat	herb
*pubescens (Presl) Sven.		PROV: wp	000m: we	RANGE: col mex	herb
tenuifolia (Rudge) Macbr.		PROV: ca cc ch pa	000m: 0-1,2-3	RANGE: ang cag mex sag?	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
20 (8) CYPERACEAE cont.					
<i>Calyptrrocarya</i>					
glomerulata (Brongn.) Urb.		PROV: bo ca cc cn cn	000m: 0-1	RANGE: cag sag? sat	herb
		da pa			
*poeppigiana Kunth		PROV: cc da	000m: 0-1	RANGE: per sat	herb
<i>Carex</i>					
*bonplandii Kunth		PROV: bo	000m: 0-1	RANGE: cag sat	herb
donnell-smithii Bailey		PROV: ch	000m: 2-3, 3+	RANGE: cr gua hon	herb
humboldtiana Steud.		PROV: ch	000m: 3+	RANGE: cag? mex sag? sao	herb
*jamesonii Boott		PROV: ch	000m: 2-3	RANGE: cag ven	herb
lemanniana Boott		PROV: ch	000m: 2-3, 3+	RANGE: col cr ecu	herb
polystachya Vahl		PROV: ca cc ch he	000m: 0-1, 1-2	RANGE: ang cag? mex per sag?	herb
*polysticha Boeck.		PROV: ch	000m: 1-2	RANGE: wr	herb
*standleyana Steyerl.		PROV: ch	000m: 1-2	RANGE: gua hon	herb
<i>Cladium</i>					
jamaicense Crantz		PROV: ca cn	000m: 0-1	RANGE: cag? fla sag?	herb
<i>Cyperus</i>					
albomarginatus (Nees) Steud.		PROV: ca da lo pa	000m: 0-1	RANGE: bol cr mex nao nas	herb
				sao wdt	
*amabilis Vahl		PROV: ca	000m: 0-1	RANGE: afr ang cag cr gua	herb
				hon sal sao	
*articulatus L.		PROV: cn pa	000m: 0-1	RANGE: ang cag sat wdt	herb
*bipartitus Torr.		PROV: ch	000m: 1-2	RANGE: cag cr gua mex nag	herb
				nic	
cayennensis (Lam.) Britt.		PROV: bo ca cc ch he	000m: 0-1, 1-2, 3+	RANGE: cag mex sag sao tex	herb
		lo pa vr			
*chorisanthos C.B. Clarke		PROV: da	000m: 0-1	RANGE: cr nic	herb
compressus L.		PROV: bo ca cn da lo	000m: 0-1	RANGE: bol cag nag nao owg	herb
		pa vr		sag sao	
*dentoniae Tucker		PROV: ch	000m: 0-1	RANGE: cr gua mex nic sal	herb
*difformis L.		PROV: ca	000m: 0-1	RANGE: mex nic owg	herb
*digitatus Roxb.		PROV: ca ch lo pa	000m: 0-1	RANGE: wdt	herb
esculentus L.	intr. cult.				
		PROV: ca pa	000m: 0-1	RANGE: wdw	herb
flavescens L.					
--var. flavescens		PROV: cc ch pa vr	000m: 0-1	RANGE: wdw	herb
*--var. piceus (Liebm.) Fern.		PROV: wp	000m: we	RANGE: cr gua mex nic	herb
giganteus Vahl		PROV: bo ca ch pa	000m: 0-1, 1-2	RANGE: ang cag mex sag? sao	herb
globulosus Aubl.		PROV: ca lo pa sa	000m: 0-1	RANGE: ang cag cr nao	herb
haspan L.		PROV: ca cc ch cn pa	000m: 0-1, 1-2	RANGE: wdw	herb
		vr			
hayesii Standl.		PROV: cc	000m: 0-1	RANGE: cr gua hon	herb
hermaphroditus (Jacq.) Standl.		PROV: ca ch pa	000m: 0-1, 1-2, 2-3, 3+	RANGE: cag mex sat	herb
*imbricatus Retz.		PROV: ca pa	000m: 0-1	RANGE: cr wdw	herb
*iria L.		PROV: ca da	000m: 0-1	RANGE: bel nas owg	herb
*ischnos Schltr.		PROV: ch	000m: 1-2	RANGE: cag col	herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
20 (8) CYPERACEAE cont.					
*lanceolatus Poir.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: ang bel cr gua hon herb mex nas sat	
*laxus Lam.		PROV: sa	000m: 0-1	RANGE: ecu per sao herb	
ligularis L.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: afr cag mex nao nas herb sag	
luzulae (L.) Retz.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cag sag sao herb da he lo pa sa vr	
*manimae H.B.K.		PROV: ch	000m: 1-2	RANGE: cag nas sag ven herb	
*multifolius Poepp. & Kunth		PROV: da	000m: 0-1	RANGE: cr sat herb	
*mutisii (H.B.K.) Griseb.		PROV: ca ch vr	000m: 0-1,1-2	RANGE: ang bel bol cr gua herb hon mex nic sag	
niger R. & P.		PROV: ch	000m: 1-2	RANGE: bol cag cal sag sao herb	
*nubigenus Britt. & Standl.		PROV: ch	000m: 1-2	RANGE: col cr ecu herb	
*ochraceus Vahl		PROV: ch da	000m: 0-1	RANGE: cag mex nas sag herb	
odoratus L.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: wdw herb da he pa sa vr	
*pallens (Liebm.) Standl. & Steyererm.		PROV: da	000m: we	RANGE: cag cal ecu mex per herb ven	
panamensis Standl.		PROV: ca cc he pa vr	000m: 0-1	RANGE: col cr ecu gua nic herb per sal	
polystachyos Rottb.		PROV: bo ca cc ch da	000m: 0-1	RANGE: cag nas sag sao wdt herb pa sa	
prolixus H.B.K.		PROV: ch	000m: 1-2	RANGE: bel col cr gua hon herb mex sag sao	
rotundus L.		PROV: bo ca ch ch da	000m: 0-1	RANGE: wdw herb lo pa vr	
simplex H.B.K.		PROV: ca da pa vr	000m: 0-1	RANGE: cag mex sat trt herb	
sphacelatus Rottb.		PROV: ca ch lo pa vr	000m: 0-1	RANGE: afr nwg herb	
surinamensis Rottb.		PROV: bo ca cc ch pa	000m: 0-1,1-2	RANGE: ang cag fla sag sao herb tex	
tenerrimus Presl		PROV: pa	000m: 0-1	RANGE: cag col mex herb	
tenuis Sw.		PROV: bo ca cc ch ch	000m: 0-1,1-2	RANGE: afr ang cag mex sag herb da he pa sa vr	
*tetraformis Ell.		PROV: ch	000m: 1-2	RANGE: wr herb	
tolucensis H.B.K.		PROV: bo ca cc ch ch	000m: 0-1	RANGE: afr bol cag cub mex herb owg sag sao	
unioloides R. Br.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag cal mex owg ven herb wdt	
*virens Michx.		PROV: ch	000m: 1-2	RANGE: ang cag nas sag herb	
*Diplacrum					
*capitatum (Willd.) Boeck.		PROV: cc	000m: 0-1	RANGE: bol sao trt ven herb	
*Diplasia					
*karatifolia Rich.		PROV: da	000m: 0-1	RANGE: cr sat herb	
Eleocharis					
*elegans (H.B.K.) R. & S.		PROV: ca ch vr	000m: 0-1,1-2,2-3	RANGE: nwt herb	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
20 (8) CYPERACEAE cont.					
<i>filiculmis</i> Kunth		PROV: ca cc ch pa vr	000m: 0-1,1-2	RANGE: cag cub his mex sag	herb
<i>fistulosa</i> (Poir.) Link		PROV: cc ch pa	000m: 0-1	RANGE: afr asi nwg	herb
<i>geniculata</i> (L.) R. & S.		PROV: bo ca cc ch cn he pa sa vr	000m: 0-1,1-2	RANGE: ang cag? mex sag? sao	herb
<i>interstincta</i> (Vahl) R. & S.		PROV: ca cc ch cn pa	000m: 0-1,1-2	RANGE: cag fla mex nao sag?	herb
<i>minima</i> Kunth		PROV: ca cc pa	000m: 0-1	RANGE: cag cub jam mex nao	herb
* <i>montana</i> (H.B.K.) R. & S.		PROV: wp	000m: 0-1,1-2	RANGE: ang bel nao sat?	herb
<i>mutata</i> (L.) R. & S.		PROV: bo ca	000m: 0-1	RANGE: afr nwg	herb
<i>nigrescens</i> (Nees) Steud.		PROV: cc pa	000m: 0-1	RANGE: afr bel cag? hon nag?	herb
<i>nodulosa</i> (Roth) Schult.		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: cag fla nwg sag? sao	herb
* <i>pachystyla</i> (C. Wright) C.B. Clarke		PROV: wp	000m: we	RANGE: cag cub his pr sat	herb
<i>plicarhachis</i> (Griseb.) Svens.		PROV: ca pa	000m: 0-1	RANGE: cag? cub mex sag? sao	herb
* <i>radicans</i> (Poir.) Kunth		PROV: ch	000m: 1-2	RANGE: oce	herb
<i>retroflexa</i> (Poir.) Urb.		PROV: bo ca cc ch cn pa	000m: 0-1,1-2	RANGE: cag? col cub mex nao	herb
* <i>sellowiana</i> Kunth		PROV: ch vr	000m: 1-2	RANGE: cag sag	herb
<i>Fimbristylis</i>					
<i>annua</i> (All.) R. & S.		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: wdw	herb
* <i>autumnalis</i> (L.) R. & S.		PROV: ca	000m: 0-1	RANGE: ang cag mex nao sat	herb
* <i>camptotricha</i> C. Wright		PROV: cn sa	000m: 0-1	RANGE: bel gua hon mex	herb
<i>complanata</i> (Retz.) Link		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: wdw	herb
* <i>cymosa</i> R. Br.		PROV: bo ca cn he lo pa sa vr	000m: 0-1	RANGE: wdt	herb
* <i>dichotoma</i> (L.) Vahl		PROV: ca cc ch cn da he pa sa vr vr	000m: 0-1	RANGE: wdt	herb
<i>ferruginea</i> (L.) Vahl		PROV: ca cn sa	000m: 0-1	RANGE: ang? cag? cub owg sag?	herb
<i>miliacea</i> (L.) Vahl		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: wdw	herb
* <i>pallidula</i> L.		PROV: ca	000m: 0-1	RANGE: mex nic	herb
* <i>quinguangularis</i> Kunth		PROV: da	000m: 0-1	RANGE: afr asi sat	herb
<i>spadicea</i> (L.) Vahl		PROV: ca cn da pa sa	000m: 0-1	RANGE: nwg	herb
<i>Fuirena</i>					
* <i>camptotricha</i> C. Wright		PROV: cn sa	000m: 0-1	RANGE: cub mex sat	herb
<i>incompleta</i> Nees		PROV: ch	000m: 1-2	RANGE: bel gua hon mex sao	herb
<i>robusta</i> Kunth		PROV: ca	000m: 0-1	RANGE: gui sao	herb
<i>umbellata</i> Rottb.		PROV: bo ca cc cn pa sa	000m: 0-1	RANGE: wdw	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
20 (8) CYPERACEAE cont.					
*Hemicarpha *micrantha (Vahl) Pax		PROV: ca	000m: 0-1	RANGE: afr ang cag nao sao	herb
Hypolytrum *longifolium Nees *--subsp. nicaraguense (Liebm.) Koyama		PROV: ca ca da da vr	000m: 0-1	RANGE: cag sao sat	herb
Kyllinga brevifolia Rottb.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: ang cag nas owg sat wdw	herb
odorata Vahl		PROV: ca ch pa vr	000m: 0-1,1-2	RANGE: afr asi cag? fla nao sag? sao wdw	herb
peruviana Lam. pumila Michx.		PROV: bo ca cn sa PROV: ca ca ch cn da he lo pa sa	000m: 0-1 000m: 0-1,1-2	RANGE: afr nwt RANGE: afr nwg	herb herb
*pungens Link		PROV: cn pa vr	000m: 0-1	RANGE: hon	herb
Lipocarpha maculata (Michx.) Torr. sellowiana Kunth		PROV: ca cc pa vr PROV: cc ch	000m: 0-1 000m: 0-1,1-2	RANGE: cag? nag? sag? RANGE: hon mex sag sao	herb herb
Mapania *assimilis Koyama *pycnocephala (Benth.) Benth.		PROV: bo cc cn da pa sa vr PROV: cc pa	000m: 0-1,1-2 000m: 0-1	RANGE: col cr gui ven RANGE: col cr ven	herb herb
*Mariscus *retrorsus (Chapm.) C.B. Clarke		PROV: cc	000m: 0-1	RANGE: wr	herb
*Oxycaryum *cubense (Kunth) Lye		PROV: ca pa	000m: 0-1	RANGE: afr cag gag nwg? sag	herb
Remirea maritima Aubl.		PROV: ca	000m: 0-1	RANGE: wdw	herb
Rhynchospora amazonica Kunth argentea Standl. *aristata Boeck.		PROV: pa PROV: cc pa sa PROV: ch	000m: 0-1 000m: 0-1 000m: 1-2,2-3	RANGE: sag? RANGE: end RANGE: cr gua hon mex nic ven	herb herb herb
armerioides Presl barbata (Vahl) Kunth *brevirostris Griseb. cephalotes (L.) Vahl *contracta (Nees) J. Raynal corymbosa (L.) Britt. eximia (Nees) Boeck.		PROV: pa PROV: cc ch pa PROV: wp PROV: ca cn pa sa vr PROV: ca lo pa PROV: bo ch cn PROV: cc pa	000m: 0-1 000m: 0-1,1-2 000m: we 000m: 0-1 000m: 0-1 000m: 0-1,1-2,2-3 000m: 0-1	RANGE: cr sag? RANGE: ang cag sat RANGE: afr cr hon mex ven RANGE: ang cag mex sat RANGE: afr ang cag nwg RANGE: wdw RANGE: cub hon mex	herb herb herb herb herb herb herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
20 (8) CYPERACEAE cont.					
globosa (H.B.K.) R. & S.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: ang bol cag? mex sag?	herb
hirsuta Vahl		PROV: pa	000m: 0-1,1-2	RANGE: cag cub sat	herb
*holoschoenoides (Rich.) Herter		PROV: pa	000m: 0-1	RANGE: afr ang cag mex sag	herb
*kunthii Nees		PROV: ch	000m: 1-2	RANGE: wr	herb
locuples C.B. Clarke		PROV: ch	000m: 1-2	RANGE: col cr ecu	herb
macrochaeta Steud.		PROV: ch	000m: 2-3,3+	RANGE: cr sag	herb
*mexicana (Liebm.) Steud.		PROV: pa	000m: 0-1	RANGE: his mex	herb
*nervosa (Vahl) Boeck.		PROV: ca cc ch cn da lo pa vr	000m: 0-1	RANGE: ang cag? mex sag?	herb
*orizabensis Kueken.		PROV: ch	000m: 1-2	RANGE: cr gua hon mex	herb
polyphylla (Vahl) Vahl		PROV: ch he	000m: 0-1,1-2	RANGE: ang cag col mex ven	herb
*pubera (Vahl) Boeck.		PROV: bo ca pa sa	000m: 0-1	RANGE: sag?	herb
*radicans (S. & C.) Pfeiff.		PROV: ca cc ch cn da he lo pa sa vr	000m: 0-1,1-2	RANGE: ang cag sat	herb
robusta (Kunth) Boeck.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag his jam mex sag?	herb
*rugosa (Vahl) Gale		PROV: ch pa	000m: 0-1,1-2	RANGE: wdt	herb
*schiedeana Kunth		PROV: ch	000m: 1-2,2-3	RANGE: col cr ecu gua hon	herb
tenerrima Spr.		PROV: pa	000m: 0-1	RANGE: ang bel gua hon sat	herb
*tenuis Link		PROV: ch	000m: 1-2	RANGE: wr	herb
*trichodes C.B. Clarke		PROV: pa	000m: 0-1	RANGE: pr sag	herb
*watsonii (Britt.) Davidse		PROV: ca da pa vr	000m: 0-1	RANGE: cag col ecu	herb
Scirpus					
*inundatus (R. Br.) Poir.		PROV: ch	000m: 1-2	RANGE: asi cr gua oce sag	herb
Scleria					
*anceps Liebm.		PROV: pa	000m: 0-1	RANGE: gua hon mex	herb
bracteata Cav.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: ang bol cag? mex sag?	herb
*distant Poir.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: afr nwg	herb
eggersiana Boeck.		PROV: ca cn pa	000m: 0-1	RANGE: ang cag gui nag?	herb
interrupta Rich.		PROV: ca pa	000m: 0-1	RANGE: ang bel cr hon sat	herb
*lagoensis Boeck.		PROV: pa	000m: 0-1	RANGE: col cr sao ven	herb
latifolia Sw.		PROV: ca cc ch da pa vr	000m: 0-1,1-2	RANGE: cag lag mex sag	herb
lithosperma (L.) Sw.		PROV: ca pa vr	000m: 0-1	RANGE: wdw	herb
macrophylla Presl		PROV: ca ch pa vr	000m: 0-1	RANGE: bol cag? mex sag? sao	herb
melaleuca Schlecht. & Cham.		PROV: bo ca cc ch da he lo pa sa vr	000m: 0-1	RANGE: nwt	herb
microcarpa Nees		PROV: cn	000m: 0-1	RANGE: cag cub mex sag sao	herb
micrococca (Liebm.) Steud.		PROV: bo ca cn pa pa	000m: 0-1	RANGE: cag cub mex sag sao	herb
mitis Bergius		PROV: bo ca cc cn pa sa	000m: 0-1	RANGE: ang cag cub sag sao	herb
*polyphylla Steud.		PROV: pa	000m: 0-1	RANGE: wr	herb
purdiei C.B. Clarke		PROV: ch pa	000m: 0-1,1-2	RANGE: col ven	herb
*reticularis Michx.		PROV: ca	000m: 0-1	RANGE: gua hon	herb
secans (L.) Urb.		PROV: ca ch cn da pa vr	000m: 0-1	RANGE: ang bol cag mex sao	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
20 (8) CYPERACEAE cont.					
setacea Poir.		PROV: pa	000m: 0-1	RANGE: ang cag fla nag? nas	herb
				sag? tex	
setuloso-ciliata Boeck.		PROV: ca da pa	000m: 0-1	RANGE: cag cub mex sag sao	herb
*tenella Kunth		PROV: cc	000m: 0-1	RANGE: ang cag sat	herb
*verticillata Muhl.		PROV: pa	000m: 0-1	RANGE: ang cag mex nag sag	herb
*Torulinium					
*eggersii (Boeck.) C.B. Clarke		PROV: cn	000m: 0-1	RANGE: cag gag mex sat	herb
Uncinia					
hamata (Sw.) Urb.		PROV: ch da vr	000m: 1-2,3+	RANGE: ang cag? mex sag? sao	herb
21 (9) PALMAE					
Acrocomia					
panamensis L.H. Bailey		PROV: ca ch he pa vr	000m: 0-1	RANGE: end	tree
Aiphanes					
fuscopubens L.H. Bailey		PROV: pa	000m: 0-1	RANGE: end	treelet
Asterogyne					
martiana Burret		PROV: bo cc cn da pa sa	000m: 0-1	RANGE: cag col ven	shrub
Astrocaryum					
alatum Loomis		PROV: ca cc cn vr	000m: 0-1	RANGE: cr	tree
*confertum Bur.		PROV: wp	000m: we	RANGE: cr	tree
standleyanum L.H. Bailey		PROV: ca sa	000m: 0-1	RANGE: col nic sat	tree
*Attalea					
*allenii H. Moore		PROV: ca cn sa	000m: 0-1	RANGE: col	tree
Bactris					
alleniana L.H. Bailey		PROV: bo ca cc ch	000m: 0-1	RANGE: nic	shrub
aureodrupa L.H. Bailey		PROV: cc	000m: 0-1	RANGE: end	shrub
*baileyana H. Moore		PROV: ch	000m: 1-2	RANGE: cr	shrub
barronis L.H. Bailey		PROV: ca pa vr	000m: 0-1	RANGE: end	shrub
coloniata L.H. Bailey		PROV: ca cn pa sa	000m: 0-1	RANGE: sat	shrub
coloradonis L.H. Bailey		PROV: ca	000m: 0-1	RANGE: end	shrub
divisicupula L.H. Bailey		PROV: cc cn pa	000m: 0-1	RANGE: cr	shrub
fuscospina L.H. Bailey		PROV: pa	000m: 0-1	RANGE: wr	shrub
*gasipaes H.B.K.					
	intr. cult.				
		PROV: ca pa	000m: 0-1	RANGE: cag sat	tree
*guineensis (L.) H. Moore		PROV: wp	000m: we	RANGE: cag col cr	wh
major Jacq.		PROV: ca da lo pa	000m: 0-1	RANGE: cag col sat trt	shrub
oraria L.H. Bailey		PROV: ca cc lo pa	000m: 0-1	RANGE: end	shrub
paula L.H. Bailey		PROV: cc cn pa sa	000m: 0-1	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
21 (9) PALMAE cont.					
*Calypstrogyne					
*brachystachys Burret		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	shrub
*condensata (L.H. Bailey) Wessels Boer		PROV: bo cn pa vr	000m: 0-1,1-2	RANGE: cr	shrub
*ghiesbreghtiana (Linden & Wendl.) Wendl.		PROV: ca cc cn pa sa	000m: 0-1	RANGE: cag	shrub
*sarapiquensis Burret		PROV: cn pa	000m: 0-1	RANGE: cr	shrub
*trichostachys Burret		PROV: bo	000m: 0-1	RANGE: cr	shrub
*Catoblastus					
*radiatus (Cook & Doyle) Burret		PROV: cn	000m: 0-1	RANGE: sat	tree
Chamaedorea					
allenii L.H. Bailey		PROV: cc ch cn da sa	000m: 0-1	RANGE: end	shrub
*arenbergiana Wendl.		PROV: wp	000m: we	RANGE: cag	wh
brachyclada Wendl.	cult.	PROV: ch	000m: 0-1	RANGE: wr	shrub
coclensis L.H. Bailey		PROV: bo cc pa vr	000m: 0-1,1-2	RANGE: end	shrub
*concolor Mart.		PROV: pa vr	000m: 0-1,1-2	RANGE: mex	shrub
*deckeriana (Kl.) Hemsl.		PROV: bo cc ch pa	000m: 1-2	RANGE: gua	tree
flavovirens Wendl.		PROV: cc cn da pa vr	000m: 0-1,1-2	RANGE: end	shrub
hageniorum L.H. Bailey		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: end	shrub
latipinna L.H. Bailey		PROV: bo	000m: 0-1	RANGE: end	shrub
linearia L.H. Bailey		PROV: ch	000m: 1-2	RANGE: end	shrub
lucidifrons L.H. Bailey		PROV: bo cc pa vr	000m: 0-1	RANGE: end	shrub
microphylla Wendl.		PROV: ch	000m: we	RANGE: end	shrub
pacaya Oerst.		PROV: ca cc ch da pa	000m: 1-2	RANGE: cr	shrub
pittieri L.H. Bailey		vr			
pittieri L.H. Bailey		PROV: ch	000m: 1-2	RANGE: end	shrub
*pumila Damm.		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: cr	shrub
pygmaea Damm.		PROV: ch da	000m: 0-1,1-2	RANGE: col	cr
scheryi L.H. Bailey		PROV: ch	000m: 1-2	RANGE: end	shrub
seibertii L.H. Bailey		PROV: bo ch	000m: 1-2	RANGE: end	shrub
*tepejilote Mart.		PROV: bo ca da pa sa	000m: 0-1,1-2	RANGE: col	cr mex nic
terryorum Standl.		vr			
terryorum Standl.		PROV: da	000m: 0-1	RANGE: end	shrub
wedeliana L.H. Bailey		PROV: bo	000m: 0-1	RANGE: end	shrub
woodsoniana L.H. Bailey		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr?	shrub
Cocos					
nucifera L.		intr. cult. nat.			
nucifera L.		PROV: ca cn	000m: 0-1	RANGE: wdw	tree
*Colpothrinax					
*cookii Read		PROV: pa sa	000m: 0-1	RANGE: cr	gua
Cryosophila					
warscewiczii (Wendl.) Bartlett		PROV: ca cc ch da pa	000m: 0-1	RANGE: cag	tree
		sa			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
21 (9) PALMAE cont.					
Desmoncus isthmus L.H. Bailey		PROV: ca ch cn da pa	000m: 0-1	RANGE: end	climber
*Dictyocaryum *platysepalum Burret		PROV: da	000m: 1-2	RANGE: wr	tree
*Elaeis *guineensis Jacq.	intr. cult.	PROV: cn	000m: 0-1	RANGE: owt	tree
*oleifera (H.B.K.) Cortes	intr. cult.	PROV: ca ch cn da	000m: 0-1	RANGE: cr owt sat	tree
Euterpe *macrospadix Oerst. *precatoria Mart.		PROV: ca cn pa PROV: ch cn da	000m: 0-1 000m: 0-1	RANGE: cag gua RANGE: col gui per sao trt ven	tree tree
Geonoma *calyptrogynoides Burret congesta Spruce *cuneata Spruce *deversa (Poit.) Kunth *epetiolata H. Moore ferruginea Spruce *gracilis Spruce *heinrichsiae Burret *interrupta (R. & P.) Mart. *lehmannii Burret *oxycarpa Mart. procumbens Spruce *seleri Burret simplicifrons Willd. *triandra (Burret) Wessels Boer		PROV: bo vr PROV: cc cn da pa vr PROV: bo ca cc cn pa sa PROV: bo cc cn da pa PROV: cc sa vr PROV: cc ch cn pa PROV: bo cc cn da pa sa vr PROV: wp PROV: bo ca ch cn da pa sa vr PROV: wp PROV: wp PROV: bo ca cc cn da pa vr PROV: ch PROV: da PROV: da sa	000m: 0-1, 1-2 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1, 1-2 000m: 0-1, 1-2 000m: we 000m: 0-1, 1-2 000m: we 000m: we 000m: 0-1, 1-2 000m: 1-2, 2-3 000m: 0-1 000m: 0-1	RANGE: wr RANGE: cr hon nic RANGE: col cr nic RANGE: bel gua hon ven RANGE: cr RANGE: cr gua hon nic RANGE: col cr RANGE: col ecu RANGE: cag sat RANGE: col ecu per sat ven RANGE: cag col RANGE: col cr nic RANGE: wr RANGE: sao ven RANGE: col	shrub shrub shrub shrub shrub shrub shrub shrub shrub shrub wh shrub tree shrub shrub
Hyospathe *concinna H. Moore *elegans Mart. lehmannii Burret *simplex Burret		PROV: cc PROV: cc PROV: cc PROV: da pa sa	000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1, 1-2	RANGE: end RANGE: sat RANGE: col RANGE: col	shrub shrub shrub shrub
Iriartea corneto (Karst.) Wendl. *gigantea Burret		PROV: da PROV: pa	000m: 1-2 000m: 0-1	RANGE: col RANGE: cr	tree tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
21 (9) PALMAE cont.					
*Jessenia					
*bataua (Mart.) Burret		PROV: da	000m: 0-1	RANGE: sat	tree
Manicaria					
saccifera Gaertn.		PROV: bo ca cn sa	000m: 0-1	RANGE: ang? cag?	tree
Neonicholsonia					
*watsonii Damm.		PROV: ch	000m: 0-1	RANGE: cr	shrub
Oenocarpus					
*mapora Karst.		PROV: ca da pa sa	000m: 0-1	RANGE: bol col cr ecu per sao ven	tree
*Pelagodoxa					
*henryana Becc.		intr. cult. PROV: ca	000m: 0-1	RANGE: owt	tree
*Pholidostachys					
*pulchra Burret		PROV: pa vr	000m: 0-1	RANGE: cr	treelet
*synanthera (Mart.) H. Moore		PROV: pa	000m: 0-1	RANGE: col ecu per	treelet
Phytelephas					
seemannii O.F. Cook		PROV: cn da	000m: 0-1	RANGE: end	treelet shrub
Prestoea					
*allenii H. Moore		PROV: ch	000m: we	RANGE: end	wh
*decurrens (Burret) H. Moore		PROV: cc	000m: 0-1, 1-2	RANGE: wr	tree
*roseospadix (L.H. Bailey) H. Moore		PROV: ch	000m: 1-2, 2-3	RANGE: end	tree
sejuncta L.H. Bailey		PROV: ca cc	000m: 0-1	RANGE: sat	tree
Raphia					
taedigera Mart.		PROV: bo ca	000m: 0-1	RANGE: afr col cr nic nwg? sao	tree
*Reinhardtia					
*gracilis (Wendl.) Burret		PROV: pa vr	000m: 0-1	RANGE: cag	shrub
*koschnyana (Wendl. & Damm.) Burret		PROV: da	000m: 0-1	RANGE: cag	tree
simplex Burret		PROV: bo da	000m: 0-1	RANGE: cr	shrub
Roystonea					
oleracea (Jacq.) Cook		intr. cult. PROV: wp	000m: 0-1	RANGE: lag? trt	tree
regia (H.B.K.) Cook		intr. cult. PROV: wp	000m: 0-1	RANGE: cub	tree

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
21 (9) PALMAE cont.					
<i>Sabal</i> <i>allenii</i> L.H. Bailey		PROV: da pa	000m: 0-1	RANGE: end	tree
<i>Scheelea</i> <i>zonensis</i> L.H. Bailey		PROV: ca cn da pa	000m: 0-1	RANGE: cr	tree
* <i>Serenoa</i> * <i>repens</i> (Bartram) Small	intr. cult.	PROV: ca	000m: 0-1	RANGE: fla	shrub
<i>Socratea</i> <i>durissima</i> (Oerst.) Wendl.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: cr nic sat	tree
<i>Synechanthus</i> <i>warscewiczianus</i> Wendl.		PROV: bo ca cc cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr ecu	shrub
<i>Welfia</i> <i>georgii</i> Burret		PROV: bo ca cc pa	000m: 0-1	RANGE: col cr	tree
* <i>Wettinia</i> * <i>hirsuta</i> Burret		PROV: cn pa sa	000m: 0-1	RANGE: col	tree
22 (10) CYCLANTHACEAE					
* <i>Asplundia</i> * <i>alata</i> Harl.		PROV: ca ch cn da pa sa	000m: 0-1,2-3	RANGE: col cr	shrub climber
* <i>antioquiae</i> Harl.		PROV: bo cc	000m: 0-1,1-2	RANGE: col cr	epiph herb
* <i>costaricensis</i> Harl.		PROV: cc pa sa	000m: 0-1	RANGE: cr	epiph herb
* <i>microphylla</i> (Oerst.) Harl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	climber
*--subsp. <i>panamensis</i> Harl.		PROV: sa	000m: 0-1	RANGE: cr	shrub
* <i>pittieri</i> (Woods.) Harl.		PROV: cc	000m: 0-1	RANGE: cr	herb
* <i>sleeperae</i> Grayum & Hammel		PROV: cc	000m: 0-1	RANGE: col cr ecu gua per	epiph
* <i>vagans</i> Harl.				ven	herb
<i>Carludovica</i> <i>drudei</i> Mast.		PROV: ca ch da sa	000m: 0-1	RANGE: cr mex	shrub
<i>palmata</i> R. & P.		PROV: bo ca cc cn da pa	000m: 0-1,1-2	RANGE: bol cag gag mex per sag	shrub
<i>rotundifolia</i> Hook. f.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
*--subsp. <i>pachyspadi</i> Harl.					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
22 (10) CYCLANTHACEAE cont.					
--subsp. rotundifolia		PROV: bo	000m: 0-1	RANGE: cr hon	shrub
<i>Cyclanthus</i>					
<i>bipartitus</i> Poit.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: cag gua lag per sag sao trt	shrub
<i>*indivisus</i> Schult.		PROV: pa sa	000m: 0-1	RANGE: col	shrub
<i>*Dicranopygium</i>					
<i>*crinitum</i> Harl.		PROV: ca cn pa sa	000m: 0-1,2-3	RANGE: end	herb
<i>*cuatrecasanum</i> Harl.		PROV: cc vr	000m: 0-1	RANGE: col	herb
<i>*harlingi</i> Wilder		PROV: pa	000m: 0-1	RANGE: end	herb
<i>*pachystemon</i> Harl.		PROV: cn	000m: 0-1	RANGE: per	herb
<i>*testaceum</i> Harl.		PROV: da	000m: 0-1	RANGE: col	herb
<i>*wallisii</i> (Regel) Harl.		PROV: da pa	000m: 0-1	RANGE: col	herb
<i>*wedellii</i> Harl.		PROV: bo cc da pa vr	000m: 0-1,1-2	RANGE: cag? cr gag hon	herb shrub
<i>Evodianthus</i>					
<i>*funifer</i> (Poit.) Lindm.					
--subsp. <i>funifer</i>		PROV: bo cc cn da pa sa sa vr	000m: 0-1	RANGE: cag? cr hon per sao trt	climber
<i>Ludovia</i>					
<i>*integrifolia</i> (Woods.) Harl.		PROV: ca cc cn da pa vr	000m: 0-1	RANGE: col cr ecu	climber shrub
<i>*lancifolia</i> Brongn.		PROV: cn pa	000m: 0-1	RANGE: col per sao	epiph herb
<i>*Sphaeradenia</i>					
<i>*alleniana</i> Harl.		PROV: cc pa	000m: 0-1,1-2	RANGE: end	epiph herb
<i>*chiriquensis</i> Harl.		PROV: cc ch da	000m: 1-2,2-3	RANGE: end	terr herb
<i>*davidsoniae</i> Harl.		PROV: ch	000m: 2-3	RANGE: end	epiph herb
<i>*ensiformis</i> (Hook. f.) Harl.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	epiph herb
<i>*horrida</i> (Harl.) Harl.		PROV: ch	000m: 1-2	RANGE: ecu	herb
<i>*killipii</i> (Standl.) Harl.		PROV: da	000m: we	RANGE: col	shrub
<i>*pachystigma</i> Harl.		PROV: ch	000m: 1-2,2-3	RANGE: end	herb
<i>*quitoensis</i> (Harl.) Harl.		PROV: ch	000m: 1-2	RANGE: ecu	herb
<i>*stenosperma</i> Harl.		PROV: pa	000m: 0-1	RANGE: col	epiph herb
<i>*woodsonii</i> Harl.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
<i>*Thoracocarpus</i>					
<i>*bissectus</i> (Vell.) Harl.		PROV: cc cn da	000m: 0-1,1-2	RANGE: col gui per sag sao trt	climber

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE					
*Alocasia *macrorrhiza Schott	cult.	PROV: vr	000m: 0-1	RANGE: asi	herb
Anthurium acutangulum Engl.		PROV: bo bo ca cn pa sa	000m: 0-1,1-2	RANGE: cr hon nic	epiph herb
*acutifolium Engl.		PROV: ch	000m: 0-1	RANGE: cr	terr herb
*alticola Croat		PROV: bo ch da	000m: 1-2	RANGE: col	epiph herb
*amnicola Dressler		PROV: cc	000m: 0-1	RANGE: end	herb
*angustilobum Croat		PROV: pa	000m: 0-1	RANGE: end	herb
*angustispadix Croat & Baker		PROV: ch	000m: 0-1,1-2	RANGE: cr	epiph herb
*antonioanum Croat		PROV: ch da	000m: 1-2	RANGE: end	epiphyte
*bakeri Hook. f.		PROV: bo ca cc cn da pa sa vr	000m: 0-1	RANGE: bel col cr gua mex nic	epiphyte
*barryi Croat		PROV: da	000m: 0-1	RANGE: end	epiphyte
*bicollectivum Croat		PROV: ca cc ch cn da pa vr	000m: 0-1	RANGE: end	epiphyte
*brevispadix Croat		PROV: cc	000m: 0-1	RANGE: end	epiphyte
*brownii Mast.		PROV: ca cc cn da pa sa	000m: 0-1,1-2	RANGE: col cr	epiphyte
*caloveboranum Croat		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: end	epiphyte
*caperatum Croat & Baker		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: cr	terr epiph herb
*carnosum Croat & Baker		PROV: bo ch	000m: 0-1,1-2,2-3	RANGE: cr	epiph climber
*cartiense Croat		PROV: cn pa sa	000m: 0-1	RANGE: end	epiphyte
*cerrocampanense Croat		PROV: cc cn pa	000m: 0-1	RANGE: end	terr herb
*cerropirrense Croat		PROV: da	000m: 0-1,1-2	RANGE: end	epiphyte
chiriquense Standl.		PROV: ch	000m: 1-2	RANGE: end	epiphyte
*chorrense Croat		PROV: pa	000m: 0-1	RANGE: end	epiphyte
*chromostachyum Croat		PROV: da	000m: 0-1	RANGE: end	epiphyte
*cineraceum Croat		PROV: da	000m: 0-1	RANGE: col	terr epiph herb
*cinereopetiolatum Croat		PROV: pa	000m: 0-1	RANGE: end	epiph herb
*circinatum Croat		PROV: bo ch	000m: 1-2	RANGE: end	terr epiph herb
*clavigerum Poepp.		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: bol col cr ecu nic per sao sat ven	gui epiphyte
*clidemioides Standl.		PROV: bo	000m: 0-1	RANGE: cr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000m.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
*coelense Croat		PROV: cc ch pa vr	000m: 0-1, 1-2	RANGE: end	epiph terr herb
*collinsii Croat		PROV: pa	000m: 0-1	RANGE: end	terr herb
*colonense Croat		PROV: ca cc ch da vr	000m: 0-1, 1-2	RANGE: end	epiphyte
colonicum K. Krause		PROV: cc ch pa sa vr	000m: 0-1, 1-2	RANGE: end	epiphyte
*coloradense Croat		PROV: ch	000m: 1-2	RANGE: end	terr herb
condinnatum Schott		PROV: cc ch pa	000m: 0-1, 2-3	RANGE: cr	epiph terr herb
*condolor K. Krause		PROV: ba ca ch	000m: 0-1	RANGE: col	epiphyte
*consobrinum Schott		PROV: vr	000m: 0-1	RANGE: cag cr nic	epiphyte
*correae Croat		PROV: cc ch pa sa	000m: 0-1	RANGE: end	epiphyte
*costobrusii Croat & Baker		PROV: ch	000m: 1-2	RANGE: cr	terr epiph herb
*crassilaminum Croat		PROV: cc	000m: 0-1	RANGE: end	epiph herb
*crassiradix Croat					
*-var. crassiradix		PROV: cc ch pa	000m: 0-1	RANGE: end	epiphyte
*-var. purpureospadix Croat		PROV: cc	000m: 0-1	RANGE: end	epiphyte
*crassitapalum Croat		PROV: da	000m: 1-2	RANGE: end	epiphyte
*crystallinum Linden & Andre		PROV: da	000m: 1-2	RANGE: col	epiphyte
*cuasicanum Croat		PROV: da	000m: 1-2	RANGE: end	epiphyte
*cubense Engl.		PROV: ch	000m: 0-1	RANGE: col cr cub gua mex nic ven	terr epiph herb
*cucullispathum Croat		PROV: cc ch ch da pa vr	000m: 0-1, 1-2	RANGE: end	epiphyte
*cuneatissimum (Engl.) Croat		PROV: cc ch	000m: 0-1	RANGE: cr	epiphyte
*curvilaminum Croat		PROV: cc pa	000m: 0-1	RANGE: end	epiph terr herb
*curvispadix Croat		PROV: cc ch da pa sa vr	000m: 0-1, 1-2	RANGE: end	epiphyte
*cuspidatum Mast.		PROV: ba cc ch ch da pa sa vr	000m: 0-1, 1-2	RANGE: col cr ecu nic	terr epiph herb
*davidsoniae Standl.		PROV: ba ch	000m: 1-2	RANGE: cr	terr herb
*dichrophyllum Croat		PROV: vr	000m: 1-2	RANGE: end	epiphyte
*dressleri Croat		PROV: ca ch pa sa	000m: 0-1	RANGE: col	terr herb
*dukai Croat		PROV: da	000m: 0-1, 1-2	RANGE: end	epiphyte
*dwyeri Croat		PROV: cc ch da pa sa	000m: 0-1, 1-2	RANGE: col	epiphyte
*erythrostachyum Croat		PROV: da	000m: 1-2	RANGE: col	epiph terr herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
*fatoense K. Krause		PROV: bo cc ch cn vr	000m: 0-1	RANGE: cr	epiphyte
*fendleri Schott		PROV: vr	000m: 0-1	RANGE: col ven	terr epiph herb
*flexile Schott		PROV: bo ca cc ch da	000m: 0-1	RANGE: bel cag cr gua hon	epiphyte
*folsomianum Croat		PROV: pa	000m: 0-1	RANGE: mex nic end	terr epiph herb
*foreroanum Croat		PROV: da	000m: 1-2	RANGE: end	epiphyte
*formosum Schott		PROV: bo cc ch cn vr	000m: 0-1,1-2	RANGE: col cr ecu	epiph terr herb
*fragrantissimum Croat		PROV: cc cn da pa vr	000m: 0-1,1-2	RANGE: col	epiph herb
*friedrichsthali Schott		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: cag col cr gua	epiphyte
*fusiforme Croat		PROV: ch	000m: 1-2	RANGE: end	epiphyte
garagarum Standl.		PROV: cc cn da pa sa vr	000m: 0-1,1-2	RANGE: col	epiph herb
*gentryi Croat		PROV: pa	000m: 0-1	RANGE: end	epiphyte
*globosum Croat		PROV: bo ch	000m: 1-2,2-3	RANGE: end	epiph terr herb
*gracile (Rudge) Lindl.		PROV: bo ca da pa	000m: 0-1	RANGE: ang bel cag col cr gua gui hon per sat trt	epiphyte
*gracillimum Croat		PROV: ch	000m: 1-2	RANGE: end	epiphyte
*gracilispadix Croat		PROV: bo cc ch	000m: 0-1,1-2	RANGE: end	epiph herb
*hacumense Engl.		PROV: ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr	epiphyte
*hammelii Croat		PROV: bo	000m: 1-2	RANGE: end	epiphyte
*hebetatum Croat		PROV: cc vr	000m: 0-1,1-2	RANGE: end	epiphyte
*hoffmannii Schott		PROV: cc ch cn vr	000m: 0-1,1-2	RANGE: cr	epiph terr herb
*hornitense Croat		PROV: ch vr	000m: 1-2	RANGE: end	epiph herb
*hutchisonii Croat		PROV: cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: col	terr epiph herb
*impolitum Croat		PROV: cn da pa sa	000m: 0-1	RANGE: end	herb
*interruptum Sod.		PROV: cc ch da vr	000m: 0-1,1-2	RANGE: bel col cr ecu gua nic	epiph herb
*jefense Croat		PROV: pa	000m: 0-1,1-2	RANGE: end	epiph herb
*kallunkiae Croat		PROV: vr	000m: 1-2	RANGE: end	epiphyte
*kamemotoanum Croat		PROV: pa	000m: 0-1	RANGE: end	epiph terr herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
*kunthii Poepp.		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: col cr ecu nic per	epiph herb
*lactifructum Croat		PROV: da	000m: 0-1	RANGE: end	epiphyte
*lancifolium Schott		PROV: ch	000m: 1-2	RANGE: end	herb
*--var. albifructum Croat		PROV: bo cc ch cn da	000m: 0-1,1-2	RANGE: col cr nic	epiph terr herb
*--var. lancifolium		pa sa vr			epiph terr herb
*lenticii Croat & Baker		PROV: cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr	epiph terr herb
*leptocaulis Croat		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: end	herb
*llanense Croat		PROV: cn pa sa	000m: 0-1	RANGE: end	epiphyte
*longistipitatum Croat		PROV: bo ch	000m: 1-2	RANGE: end	epiphyte
*luteynii Croat		PROV: cc da vr	000m: 0-1	RANGE: end	epiph terr herb
*madisonianum Croat		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: end	epiphyte
*malianum Croat		PROV: da	000m: 1-2	RANGE: col	epiphyte
*melastomatis Croat		PROV: cc sa	000m: 0-1,1-2	RANGE: end	epiph terr herb
michelii Guillaumin		PROV: bo cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr	epiph terr herb
microspadix Schott		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: bel col cr ecu gua hon mex nic	epiph terr herb
myosuroides (H.B.K.) Endl.		PROV: ca cc pa	000m: 0-1	RANGE: col	epiphyte
*nervatum Croat		PROV: cc ch vr	000m: 0-1,1-2	RANGE: end	epiphyte
*niqueanum Croat		PROV: da	000m: 1-2	RANGE: end	epiph herb
*obtusilobum Schott		PROV: bo ch da	000m: 0-1,1-2	RANGE: col cr	epiph terr herb
ochranthum K. Koch		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: cr	herb
*oxystachyum Croat		PROV: cc	000m: 0-1	RANGE: end	epiphyte
*pageanum Croat		PROV: bo cc pa vr	000m: 0-1,1-2	RANGE: end	epiphyte
pallens Schott		PROV: bo ch	000m: 1-2	RANGE: cr	epiph herb
*paludosum Engl.		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: col cr	epiph herb
*panamense Croat		PROV: bo cc vr	000m: 0-1	RANGE: end	epiph herb
*panduriforme Schott		PROV: bo cc ch da pa vr	000m: 0-1,1-2	RANGE: col cr	epiph herb
*papillilaminum Croat		PROV: cn da	000m: 0-1	RANGE: end	herb
*pauciflorum Croat		PROV: ch	000m: 1-2	RANGE: end	epiphyte

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
*pendens Croat		PROV: cn da pa sa	000m: 0-1	RANGE: col	epiphyte
*pentaphyllum (Aubl.) G. Don					
*--var. bombacifolium (Schott) M. Madison		PROV: ca cc ch cn da	000m: 0-1	RANGE: bel cr gua hon mex	epiph herb
		pa sa		nic	
*pirrense Croat		PROV: da	000m: 1-2	RANGE: end	epiphyte
pittieri Engl.					
*--var. morii Engl.		PROV: bo cc ch vr	000m: 0-1,1-2,2-3	RANGE: end	terr
					epiph herb
--var. pittieri		PROV: cc ch cn pa vr	000m: 0-1,1-2,2-3	RANGE: cr per	epiphyte
*platyrhizum Croat		PROV: cn sa	000m: 0-1	RANGE: end	epiphyte
*pluricostatum Croat & Baker		PROV: ch cn pa	000m: 0-1	RANGE: cr	herb
*protensum Schott					
*--subsp. arcuatum Croat		PROV: bo ch vr	000m: 0-1,1-2	RANGE: cr	epiph herb
*pseudospectabile Croat		PROV: ch	000m: 1-2	RANGE: end	epiphyte
*purpureospathum Croat		PROV: bo ch	000m: 0-1,1-2	RANGE: end	epiph
					terr herb
ramonense K. Krause		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: cr nic	epiph herb
		pa sa vr			
*ranchoanum Engl.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cr	epiph
					terr herb
*ravenii Croat & Baker		PROV: ca cc ch cn da	000m: 0-1	RANGE: col cr ecu hon nic	epiph herb
		pa sa vr			
*redolens Croat		PROV: cc da pa	000m: 0-1,1-2,2-3	RANGE: end	epiphyte
*roseospathum Croat		PROV: ca cc ch pa vr	000m: 0-1	RANGE: end	epiph herb
*rotundistigmatum Croat		PROV: da pa vr	000m: 0-1	RANGE: end	epiphyte
*rubrifructum Croat		PROV: da	000m: 1-2	RANGE: end	epiph climber
*rupicola Croat		PROV: cc vr	000m: 0-1	RANGE: end	herb
*sagawae Croat		PROV: pa	000m: 0-1	RANGE: end	epiph herb
*salviniae Hemsl.		PROV: ca ch da pa	000m: 0-1,1-2	RANGE: cag col cr gua hon	epiphyte
				mex nic	
*sanctifidense Croat		PROV: cc ch cn da pa	000m: 0-1	RANGE: end	herb
		sa vr			
*sapense Croat		PROV: da	000m: 0-1	RANGE: end	epiphyte
scandens (Aubl.) Engl.					
*--subsp. pusillum Sheffer		PROV: cc ch da pa vr	000m: 0-1,1-2,2-3	RANGE: col hon ven	epiph herb
--subsp. scandens		PROV: bo ca cc ch cn	000m: 0-1,1-2,2-3	RANGE: ang bel cag cr gag	epiph herb
		da pa sa vr		gua gui hon mex nic sal	
				sao trt ven	
*seibertii Croat & Baker		PROV: ch	000m: 1-2	RANGE: cr	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
*spathiphyllum N.E. Br.		PROV: bo cc	000m: 0-1	RANGE: cr nic	epiphyte
*subrotundum Croat		PROV: da	000m: 1-2	RANGE: end	herb
*supraglandulum Croat		PROV: pa	000m: 0-1	RANGE: end	epiphyte
*sytsmae Croat		PROV: cc	000m: 0-1	RANGE: end	epiph herb
*tacarcunense Croat		PROV: da pa	000m: 0-1,1-2	RANGE: end	epiph herb
*teribense Croat		PROV: bo	000m: 0-1	RANGE: end	epiphyte
*terryae Standl. & L.O. Wms.		PROV: da	000m: 0-1,1-2	RANGE: end	epiphyte
*testaceum Croat & Baker		PROV: bo ch	000m: 0-1,1-2,2-3	RANGE: cr	epiph terr herb
*tilaranense Standl.		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: cr	epiphyte
*tonduzii Engl.		PROV: cc ch da vr	000m: 0-1,1-2	RANGE: cr	epiph terr herb
trinerve Miq.		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1,1-2	RANGE: bel cr gua gui hon nic sao	epiph herb
*trisectum Sod.		PROV: cc ch vr	000m: 0-1	RANGE: col cr ecu	herb
*tutense Croat		PROV: cc ch vr	000m: 0-1,1-2	RANGE: end	epiphyte
*tysonii Croat		PROV: pa	000m: 0-1	RANGE: end	herb
validifolium K. Krause		PROV: ch	000m: 1-2	RANGE: end	epiph herb
*vallense Croat		PROV: cc cn pa vr	000m: 0-1,1-2	RANGE: col	epiph terr herb
*watermaliense L.H. Bailey		PROV: bo ch vr	000m: 0-1,1-2,2-3	RANGE: col cr	herb
*wedelianum Croat					
*--subsp. viridispadix Croat		PROV: cc cn vr	000m: 0-1,1-2	RANGE: end	epiphyte
*--subsp. wedelianum		PROV: bo	000m: 0-1	RANGE: end	epiphyte
*wendlingerii G. Barroso		PROV: cc cn pa sa vr	000m: 0-1	RANGE: cr	epiphyte
williamsii K. Krause		PROV: bo cc da pa vr	000m: 0-1,1-2	RANGE: col cr ecu	epiph herb
Caladium					
bicolor (Ait.) Vent. cult.		PROV: ca	000m: 0-1	RANGE: gui nwg?	herb
*lindenii (Andre) M. Madison cult.		PROV: ca cn	000m: 0-1	RANGE: wr	terr herb
*Colocasia					
*esculenta (L.) Schott		PROV: bo ch da pa sa	000m: 0-1	RANGE: wdt	terr herb
Dieffenbachia					
aurantiaca Engl.		PROV: ch	000m: 0-1	RANGE: cr	herb
longispatha Engl. & K. Krause		PROV: bo ca cc ch cn pa sa	000m: 0-1	RANGE: col? cr hon	herb
oerstedii Schott		PROV: bo ca ch cn da lo pa	000m: 0-1	RANGE: gua	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
23 (11) ARACEAE cont.									
pittieri Engl. & K. Krause		PROV: ca cc sa	000m: 0-1,1-2	RANGE: end					herb
Dracontium									
costaricense Engl.		PROV: ca sa	000m: 0-1	RANGE: cr					herb
*dressleri Croat		PROV: ca cn da	000m: 0-1	RANGE: cr					herb
*Heteropsis									
*oblongifolia Kunth		PROV: ch on da pa sa	000m: 0-1	RANGE: cr					climber
Homalomena									
*wallisii Regel		PROV: bo pa sa	000m: 0-1	RANGE: wr					wh
wendlandii Schott		PROV: ca ch cn pa sa	000m: 0-1	RANGE: col cr					climber
Monstera									
*adansonii Schott									
*--var. lanata (Schott) M. Madison		PROV: bo ca cc ch cn da lo pa vr	000m: 0-1,1-2	RANGE: abc ecu per	ang gui sag	cag hon sao	col lag trt	cr mex ven	epiph climber
deliciosa Liebm.		PROV: ca ch vr	000m: 0-1,1-2	RANGE: cag mex					epiph climber
*dilacerata (K. Koch & Sello) K. Koch		PROV: ca cc ch da pa sa	000m: 0-1,1-2	RANGE: bel nic	cag per	col sag	cr sao	gua ven	epiph herb climber
*dubia (H.B.K.) Engl. & K. Krause		PROV: ca ch pa	000m: 0-1	RANGE: bol cr sag sao trt					epiph climber
*lechleriana Schott		PROV: pa	000m: 0-1	RANGE: cag sat					epiph climber
*membranacea M. Madison		PROV: ch	000m: 0-1	RANGE: cr					epiph climber
*minima M. Madison		PROV: sa	000m: 0-1	RANGE: end					climber
*obliqua Miq.		PROV: bo cc da pa sa vr	000m: 0-1	RANGE: col ven	gui	per	sao	trt	epiph herb
*oreophila M. Madison		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: cr					epiph herb
pittieri Engl.		PROV: ca cc cn	000m: 0-1	RANGE: cr					epiph climber
*punctulata (Schott) Engl.		PROV: ch da	000m: 1-2	RANGE: cag mex					epiph herb
*spruceana (Schott) Engl.		PROV: pa sa	000m: 0-1	RANGE: cr sag					herb
*tenuis K. Koch		PROV: ch	000m: 1-2	RANGE: cr nic					epiph herb
*tuberculata Lund.									
*--var. brevinodum (Standl. & W.O. Wms.) M. Madison		PROV: bo	000m: 0-1	RANGE: bel cr gua mex					climber
Montrichardia									
arborescens (L.) Schott		PROV: bo ca cn da sa	000m: 0-1	RANGE: bel gua gui lag					aquat herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
Philodendron					
*aurantiifolium Schott		PROV: wp	000m: 0-1	RANGE: cr	climber
brenesii Standl.		PROV: ch	000m: 1-2	RANGE: cr	epiph climber
brevispathum Schott		PROV: ca	000m: 0-1	RANGE: cr nic ven	epiph climber
grandipes K. Krause		PROV: bo ca cc ch cn sa	000m: 0-1	RANGE: cr ecu nic	epiph herb
*hederaceum (Jacq.) Schott		PROV: ca da he lo pa	000m: 0-1	RANGE: cag col cub gui mex ven	hemiep climber
*inaequilaterum Liebm.		PROV: ca cc ch da pa sa	000m: 0-1,1-2	RANGE: col cr ecu mex per ven	hemiep climber
*inconcinnum Schott		PROV: bo ca cn da	000m: 0-1	RANGE: col cr nic	hemiep climber
*lewisii Croat & Grayum		PROV: bo cc ch cn pa vr	000m: 0-1,1-2	RANGE: cr	hemiep climber
*mediavaginatum Croat & Grayum		PROV: ca	000m: 0-1	RANGE: cr	hemiep climber
panamense K. Krause		PROV: ca ch pa	000m: 0-1	RANGE: cr ecu hon nic?	epiph hemiep climber
*platypetiolatum M. Madison		PROV: wp	000m: 0-1	RANGE: cr ecu	epiph herb
*popenoei Standl. & Steyer.		PROV: ch	000m: 0-1	RANGE: cr hon nic	climber
*pterotum K. Koch		PROV: ca ch cn	000m: 0-1	RANGE: cr	epiph hemiep climber
radiatum Schott		PROV: bo ca cn	000m: 0-1	RANGE: cag mex	epiph hemiep climber
rigidifolium K. Krause		PROV: ca	000m: 0-1	RANGE: cr nic	hemiep climber
*sagittifolium Liebm.		PROV: ca cn pa sa	000m: 0-1	RANGE: cag col cr mex	epiph hemiep climber
*scandens K. Koch & Sello		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: ang bol cag cr gua mex sag	climber
*schottianum Schott		PROV: bo ca cn pa	000m: 0-1	RANGE: bel cr gui per sao ven	epiph climber
*tenue K. Koch		PROV: wp	000m: 0-1	RANGE: col ecu nic ven	epiph climber
tripartitum (Jacq.) Schott		PROV: bo ca cc pa	000m: 0-1	RANGE: bel cag col gua jam mex sao ven	epiph climber
verrucosum Mathieu	cult.	PROV: bo sa	000m: 0-1	RANGE: col cr	climber
wendlandii Schott		PROV: bo ca cn	000m: 0-1	RANGE: cr	epiph climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
<i>Pistia stratiotes</i> L.		PROV: ca da pa	000m: 0-1	RANGE: wdw	aquat herb
<i>Rhodospatha moritziana</i> (Schott) Croat		PROV: ca ch cn sa	000m: 0-1	RANGE: col cr ven	terr herb
<i>*wendlandii</i> Schott		PROV: ca cc da	000m: 0-1,1-2	RANGE: cag? col? cr mex?	epiph climber
<i>Spathiphyllum floribundum</i> (Linden & Andre) N.E. Br.		PROV: ca cc pa	000m: 0-1	RANGE: col	herb
<i>friedrichsthali</i> Schott		PROV: bo ca cc ch cn da sa	000m: 0-1,1-2	RANGE: cag col gua nic sal	herb
<i>fulvovirens</i> Schott		PROV: bo cc sa	000m: 0-1	RANGE: cr	herb
<i>*kalbreyeri</i> Bunting		PROV: da	000m: 0-1	RANGE: col	herb
<i>phryniifolium</i> Schott		PROV: bo ca cc ch cn lo pa sa vr	000m: 0-1,1-2,2-3	RANGE: cag col gua nic	herb
<i>*quindiense</i> Engl.		PROV: cc pa sa	000m: 0-1	RANGE: col	herb
<i>*wendlandii</i> Schott		PROV: ch	000m: 1-2	RANGE: cr	herb
<i>Stenospermation allenii</i> Gomez & Croat		PROV: cc cn pa sa	000m: 0-1	RANGE: end	epiph climber
<i>*andreanum</i> Engl.		PROV: cc da pa vr	000m: 0-1	RANGE: bol col ecu	epiph herb
<i>*angustifolium</i> Hemsl.		PROV: bo ca cc ch cn da pa vr	000m: 0-1,1-2	RANGE: col cr nic	epiph climber
<i>*luteynii</i> Gomez & Croat		PROV: cc ch pa	000m: 0-1,1-2	RANGE: end	epiph herb
<i>*marantifolium</i> Hemsl.		PROV: bo cc cn pa vr	000m: 0-1,1-2	RANGE: cr nic	epiph herb
<i>*multiflorum</i> Engl.		PROV: sa	000m: 0-1	RANGE: wr	wh
<i>*multiovulatum</i> (Engl.) N.E. Br.		PROV: bo ca cc cn pa vr	000m: 0-1	RANGE: bol col gui per sag sao ven	epiph herb
<i>*robustum</i> Engl.		PROV: ch da pa	000m: 0-1,1-2	RANGE: col cr gua	epiph herb
<i>sessile</i> Engl.		PROV: bo ca cc ch pa	000m: 0-1,1-2	RANGE: cr	epiph climber
<i>spruceanum</i> Schott		PROV: bo cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr gua gui per sag sao ven	epiph climber
<i>Syngonium angustatum</i> Schott	cult.	PROV: ca	000m: 0-1	RANGE: bel cr gua hon mex nic	hemiep climber
<i>*erythrophyllum</i> Bunting		PROV: ca pa	000m: 0-1	RANGE: end	hemiep climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
23 (11) ARACEAE cont.					
*glaucopetiolatum Croat		PROV: ch	000m: 1-2	RANGE: end	hemiep climber
hoffmannii Schott		PROV: cc ch da he pa vr	000m: 0-1,1-2	RANGE: cr nic	climber
*laterinervium Croat		PROV: ch	000m: 0-1	RANGE: cr	hemiep climber
*lilanoense Croat		PROV: ca cn pa	000m: 0-1	RANGE: end	hemiep climber
*macrophyllum Engl.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: col cr ecu gua hon mex nic	herb
*mauroanum Bunting		PROV: ch he lo pa vr	000m: 0-1	RANGE: cr	hemiep climber
podophyllum Schott					
*--var. peliocladum (Schott) Croat		PROV: bo	000m: 0-1	RANGE: cr	hemiep climber
--var. podophyllum		PROV: bo ca ch cn da pa	000m: 0-1,1-2	RANGE: ang bel bol col cr ecu gua gui hon mex nic per sag trt ven	climber
*schottianum Schott		PROV: bo cc ch cn pa sa vr	000m: 0-1	RANGE: cr hon nic	hemiep climber
*triphyllum Croat		PROV: cc ch cn vr	000m: 0-1	RANGE: cr hon nic	hemiep climber
Urospatha					
*friedrichsthali Schott		PROV: ca	000m: 0-1	RANGE: cag col gua	herb
Xanthosoma					
helleborifolium (Jacq.) Schott		PROV: ca	000m: 0-1	RANGE: cr gui lag per	herb
mexicanum Liebm.		PROV: ca pa	000m: 0-1	RANGE: cag? mex	herb
*nigrum (Vell.) Stellf. cult.		PROV: ca pa	000m: 0-1	RANGE: wdt	herb
pilosum K. Koch & Aug.		PROV: ca cc ch da lo pa vr	000m: 0-1	RANGE: col cr	herb
*sagittifolium Schott		PROV: pa sa	000m: 0-1	RANGE: wr	herb

24 (12) LEMNACEAE

Lemna					
*aequinoctialis Welw.		PROV: wp	000m: we	RANGE: afr ang asi cag nag oce sat	aquat herb
*biperforata W. Koch		PROV: ca	000m: 0-1	RANGE: sag	aquat herb
*miniscula Herter		PROV: ch	000m: 1-2	RANGE: cag nag sag	aquat herb
*polyrhiza (L.) Schleid		PROV: pa	000m: 0-1	RANGE: ang asi cag eur nag oce sat	aquat herb
valdiviana Phil.		PROV: ca ch pa	000m: 0-1,1-2	RANGE: ang cag? mex nag sag	aquat herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
24 (12) LEMNACEAE cont.					
<i>Wolffia</i> *brasiliensis Wedd.		PROV: ca	000m: 0-1	RANGE: cag mex sag	aquat herb
<i>Wolffiella</i> lingulata Hgim.		PROV: ca	000m: 0-1	RANGE: cal mex nag nas sag	aquat herb
28 (13) MAYACACEAE					
<i>Mayaca</i> aubletii Michx.		PROV: pa	000m: 0-1	RANGE: cag? cub fla mex nag? nao tex	aquat herb
<i>fluviatilis</i> Aubl.		PROV: ch pa	000m: 0-1,1-2	RANGE: cub fla his jam nag? nao sag? sao trt	aquat herb
29 (14) XYRIDACEAE					
<i>Xyris</i> jupicai Rich.		PROV: cc pa	000m: 0-1,1-2	RANGE: cag gag mex nas sag sao	herb
*laxifolia Mart. *--var. laxifolia		PROV: ch pa	000m: 0-1,1-2	RANGE: cr gua sag ven	herb
*subulata R. & P. *--var. acutifolia Hiemerl.		PROV: bo	000m: 2-3,3+	RANGE: bol col cr per ven	herb
30 (15) ERIOCAULACEAE					
<i>Eriocaulon</i> panamense Mold.		PROV: ch	000m: 1-2	RANGE: end	herb
<i>seemannii</i> Mold.		PROV: ca pa	000m: 0-1	RANGE: end	herb
<i>williamsii</i> Mold.		PROV: cc	000m: 0-1	RANGE: bel	herb
<i>woodsonianum</i> Mold.		PROV: he pa	000m: 0-1	RANGE: end	herb
<i>Paepalanthus</i> *costaricensis Mold.		PROV: bo	000m: 2-3	RANGE: cr	herb
<i>lamarckii</i> Kunth		PROV: cc	000m: 0-1	RANGE: bel cag? cub his nao trt	herb
*pilosus (H.B.K.) Kunth		PROV: bo	000m: 2-3	RANGE: cr	herb
<i>Syngonanthus</i> pittieri Mold.		PROV: ch	000m: 0-1,1-2	RANGE: end	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
30 (15) ERIOCAULACEAE cont.					
Tonina fluviatilis Aubl.		PROV: ch	000m: 1-2	RANGE: bel trt cag? col cub sao	aquat herb
31 (16) RAPATEACEAE					
*Epidryos *allenii (Steerm.) Maguire		PROV: cc vr	000m: 0-1	RANGE: end	epiph herb
32 (17) BROMELIACEAE					
Aechmea					
allenii L.B. Sm.		PROV: cc pa sa	000m: 0-1	RANGE: end	herb
angustifolia P. & E.		PROV: bo ca da	000m: 0-1,1-2	RANGE: bol col cr per sao	epiphyte
*bracteata (Sw.) Griseb.		PROV: bo	000m: 0-1,1-2	RANGE: cag col mex ven	epiphyte
dactylina Baker		PROV: bo ca cc cn pa	000m: 0-1	RANGE: col cr nic	epiphyte
germinyana (Carr.) Baker		PROV: da	000m: 1-2	RANGE: col	herb
*lingulata (L.) Baker		PROV: ch	000m: 0-1,1-2	RANGE: ang bah cr gui sao	herb
magdalenae Baker		PROV: bo ca ch da pa	000m: 0-1	RANGE: bel col cr ecu gua	terr herb
mexicana Baker		PROV: cc vr	000m: 0-1,1-2	RANGE: cr ecu gua mex	epiphyte
nudicaulis (L.) Griseb.		PROV: bo sa	000m: 0-1	RANGE: ang cr ecu gag mex	epiphyte
pubescens Baker		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: col cr hon nic ven	epiphyte
setigera Schult.		PROV: ca cn da he pa	000m: 0-1	RANGE: col gui sao	epiph
*strobilina (Beurl.) L.B. Sm. & Read		PROV: cn pa sa	000m: 0-1	RANGE: end	herb
tillandsioides					
--var. kienastii (Mez) L.B. Sm.		PROV: bo ca cn	000m: 0-1	RANGE: cag col gui mex sao	epiphyte
tonduzii Mez & Pitt.		PROV: da pa	000m: 1-2	RANGE: cr	epiphyte
veitchii Baker		PROV: ch da	000m: 1-2	RANGE: col cr	epiphyte
Ananas					
comosus (L.) Merr.	cult.	PROV: ca	000m: 0-1	RANGE: sao wdt	herb
Billbergia					
macrolepis L.B. Sm.		PROV: ca pa	000m: 0-1	RANGE: col cr ven	herb
Bromelia					
pinguin L.		PROV: ca pa	000m: 0-1	RANGE: ang cag gui mex	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
32 (17) BROMELIACEAE cont.					
*plumieri (E. Morr.) L.B. Sm.		PROV: pa	000m: 0-1	RANGE: ecu gag mex sao	herb
Catopsis					
berteroniana (Schult.) Mez		PROV: cc	000m: 0-1	RANGE: bel fla gag gua gui	epiphyte
				mex sao trt	
*brevifolia Mez & Werckle		PROV: wp	000m: 0-1	RANGE: wr	epiph herb
*juncifolia Mez		PROV: ca	000m: 0-1	RANGE: bel cr gua	epiphyte
*micrantha L.B. Sm.		PROV: bo	000m: 0-1	RANGE: end	herb
nitida (Hook.) Griseb.		PROV: ch	000m: 1-2	RANGE: cr gag gua gui hon	epiphyte
				nic	
nutans (Sw.) Griseb.		PROV: ca cn	000m: 0-1	RANGE: cag ecu gag mex ven	epiphyte
sessiliflora (R. & P.) Mez		PROV: bo ca	000m: 0-1	RANGE: ang cag mex nwt per	epiphyte
				sao	
*--var. dioica L.B. Sm.		PROV: ca pa	000m: 0-1	RANGE: wr	epiphyte
wangerinii Mez & Werckle		PROV: ch	000m: 1-2	RANGE: cr gua mex sal	epiphyte
Guzmania					
angustifolia (Baker) Wittm.		PROV: ch da	000m: 0-1, 1-2	RANGE: col cr ecu nic	epiphyte
*attenuata L.B. Sm. & R.W. Read		PROV: da	000m: 1-2	RANGE: col	herb
*berteroniana (Schult. f.) Mez		PROV: cc	000m: 1-2	RANGE: his pr	epiphyte
*calamifolia Mez		PROV: cc vr	000m: 0-1	RANGE: col ecu	epiphyte
*compacta Mez		PROV: wp	000m: we	RANGE: wr	epiphyte
coriostachya (Griseb.) Mez		PROV: cc da pa	000m: 0-1	RANGE: col cr ven	epiphyte
*desautelsii Read & L.B. Sm.		PROV: cc pa sa vr	000m: 0-1, 1-2	RANGE: cr nic	epiphyte
dissitiflora (Andre) L.B. Sm.		PROV: cc ch sa vr	000m: 0-1, 1-2	RANGE: col cr	epiphyte
donnellsmithii J.D. Sm.		PROV: bo cc pa vr	000m: 0-1, 1-2	RANGE: cr nic	epiphyte
*filiorum L.B. Sm.		PROV: pa	000m: 0-1, 1-2	RANGE: end	epiphyte
glomerata Mez & Werckle		PROV: cc da	000m: 0-1, 1-2	RANGE: col cr nic	epiphyte
*kennedyae L.B. Sm. & R.W. Read		PROV: pa sa	000m: 0-1	RANGE: end	epiphyte
*lingulata (L.) Mez					
*--var. minor (Mez) L.B. Sm. & Pittend.		PROV: bo ca cc da pa	000m: 0-1	RANGE: cr nic sao	epiphyte
		sa			
*macropoda L.B. Sm.		PROV: pa	000m: 0-1	RANGE: end	epiphyte
monostachia Mez		PROV: bo ca cn pa	000m: 0-1, 1-2	RANGE: ang cr fla nic per	epiphyte
				sao	
musaica (Linden & Andre) Mez		PROV: bo cc ch da pa	000m: 0-1, 1-2	RANGE: col	epiph terr herb
*--var. zebrina Cut.		PROV: cc sa	000m: 1-2	RANGE: end	herb
nicaraguensis Mez & C. Baker		PROV: cc ch	000m: 0-1, 1-2	RANGE: bel cr gua mex nic	epiphyte
*obtusiloba L.B. Sm.		PROV: ch	000m: 1-2	RANGE: col cr	herb
*patula Mez & Werckle		PROV: ca pa	000m: 0-1, 1-2	RANGE: col cr ecu sao	epiphyte
*plicatifolia L.B. Sm.		PROV: cc vr	000m: 0-1, 1-2	RANGE: cr	epiphyte
polycephala Mez & Werckle		PROV: ch da	000m: 1-2	RANGE: cr	epiphyte
*sanguinea Mez		PROV: ch	000m: 0-1	RANGE: col cr ecu trt	herb
*scherzeriana Mez		PROV: cc da pa vr	000m: 0-1, 1-2	RANGE: cag col ecu gua	epiphyte
*sibundoyorum L.B. Sm.		PROV: pa	000m: 1-2	RANGE: col	epiphyte

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
32 (17) BROMELIACEAE cont.					
*sphaeroidea Mez		PROV: ch pa	000m: 0-1,1-2	RANGE: col ecu ven	epiphyte
*splitgerberi Mez		PROV: ch	000m: 1-2	RANGE: cr trt	herb
*sprucei (Andre) L.B. Sm.		PROV: cc pa vr	000m: 0-1,1-2	RANGE: col	epiphyte
*stenostachya L.B. Sm.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
subcorymbosa L.B. Sm.	cult.	PROV: ca da pa	000m: 0-1	RANGE: col cr	herb
*tarapotina Ule		PROV: ca pa	000m: 0-1	RANGE: ecu per	epiphyte
*virescens (Hook.) Mez					
*--var. laxior L.B. Sm.		PROV: da pa	000m: 0-1,1-2	RANGE: end	epiph herb
zahnii (Hook. f.) Mez	cult.	PROV: ch	000m: 1-2,3+	RANGE: cr nic	epiphyte
Pitcairnia					
*aphelandrifiara Lem.		PROV: bo	000m: 0-1	RANGE: ecu per	terr herb
atrorubens (Beer) Baker		PROV: cc ch da pa	000m: 0-1,1-2	RANGE: col cr gua hon mex	terr herb
*attenuata L.B. Sm. & R.W. Read		PROV: cc	000m: 0-1	RANGE: per	terr herb
*brittoniana Mez		PROV: da	000m: 1-2	RANGE: cr	epiph herb
carnea Beer	cult.	PROV: vr	000m: we	RANGE: end	herb
*chiriquensis L.B. Sm.		PROV: ch	000m: 0-1	RANGE: end	herb
heterophylla (Lindl.) Beer		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: cag ecu mex per ven	herb
kalbreyeri Baker		PROV: ch	000m: 1-2	RANGE: col cr	herb
*megasepala Baker		PROV: da	000m: 0-1,1-2	RANGE: col cr	herb
*multiflora L.B. Sm.		PROV: cc	000m: 0-1	RANGE: col	epiph terr herb
oblanceolata L.B. Sm.		PROV: cc cn pa	000m: 0-1,1-2	RANGE: col cr	herb
saxicola L.B. Sm.		PROV: ch	000m: 0-1,2-3	RANGE: gua mex	herb
valerii Standl.		PROV: cc pa	000m: 0-1,1-2	RANGE: cr	herb
*Ronnbergia					
*explodens L.B. Sm.		PROV: pa	000m: 0-1	RANGE: per	terr epiph herb
*maidifolia Mez		PROV: cc	000m: 0-1,1-2	RANGE: col	terr epiph herb
*petersii L.B. Sm.		PROV: pa	000m: 0-1	RANGE: end	epiph herb
Tillandsia					
acostae Mez & Tonduz		PROV: ch	000m: 0-1	RANGE: cr gua mex	epiphyte
adpressa					
*--var. orthiantha (Standl.) L.B. Sm.		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiphyte
--var. tonduziana (Mez) L.B. Sm.		PROV: ch	000m: 1-2,2-3	RANGE: bol col cr ecu ven	epiphyte

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
32 (17) BROMELIACEAE cont.					
anceps Lodd.		PROV: ca cc ch cn da pa vr	000m: 0-1	RANGE: bel col cr gua gui hon nic trt ven	epiphyte
balbisiana Schult.		PROV: ca cc da	000m: 0-1	RANGE: bah cag cub fla his jam mex	epiphyte
*biflora R. & P.		PROV: ch	000m: 1-2	RANGE: bol col cr ecu ven	epiphyte
*brachycaulos Schlecht.		PROV: ch	000m: 0-1	RANGE: cag mex	epiphyte
bulbosa Hook.		PROV: bo ca cc cn da pa sa vr	000m: 0-1	RANGE: ang cag col gui mex sao trt ven	epiphyte
butzii Mez		PROV: ch	000m: 1-2	RANGE: cag mex	epiphyte
complanata Benth.		PROV: ch da	000m: 1-2, 2-3	RANGE: ang bol cr gui per	epiphyte
*contorta Mez		PROV: cc da sa vr	000m: 0-1, 1-2	RANGE: cr	epiphyte
crispa (Baker) Mez		PROV: da	000m: 0-1, 1-2	RANGE: col ecu per	herb
*elongata H.B.K.					
*--var. subimbricata (Baker) L.B. Sm.		PROV: cn da pa	000m: 0-1	RANGE: col cub jam mex nic per sao trt	epiphyte
excelsa Griseb.		PROV: bo ch vr	000m: 0-1, 1-2	RANGE: cag cub jam	epiphyte
fasciculata Sw.		PROV: ca da pa	000m: 0-1	RANGE: ang cag col fla gui mex	herb
--var. convexispica Mez		PROV: ca	000m: 0-1	RANGE: bel gua jam	herb
--var. uncispica Mez		PROV: bo	000m: 0-1	RANGE: cub gua his lag?	epiphyte
festucoides Mez		PROV: bo da	000m: 0-1	RANGE: cag fla gag mex	epiphyte
flexuosa Sw.		PROV: ca ch cn da lo pa	000m: 0-1	RANGE: ang col fla gui ven	epiphyte
*guatemalensis L.B. Sm.		PROV: vr	000m: 1-2	RANGE: cag mex	epiphyte
*insignis (Mez) L.B. Sm. & Pittend.		PROV: bo cc ch	000m: 0-1, 1-2	RANGE: cr	epiph terr herb
junceae (R. & P.) Poir.		PROV: bo ch cn da pa	000m: 1-2	RANGE: bol cag col cub fla his jam mex per trt ven	epiphyte
kegeliana Mez		PROV: ca da	000m: 0-1	RANGE: col gui sao ven	epiphyte
*leiboldiana Schlecht.		PROV: ch vr	000m: 0-1, 1-2, 2-3	RANGE: cag mex	epiphyte
monadelpha (E. Morr.) Baker		PROV: ca cc cn da pa sa vr	000m: 0-1	RANGE: cag col ecu gui trt	herb
*monostachya (E. Morr.) Baker		PROV: pa	000m: 0-1	RANGE: wr	epiphyte
multicaulis Steud.		PROV: ch	000m: 1-2	RANGE: bel cr gua hon mex nic sal	epiphyte
*oerstediana L.B. Sm.		PROV: ch	000m: 1-2	RANGE: cr	epiphyte
*pinnata Mez & Sod.		PROV: pa	000m: 0-1	RANGE: ecu	epiphyte
punctulata Schlecht. & Cham.		PROV: ch vr	000m: 1-2, 2-3	RANGE: cag gui mex	epiphyte
rubra R. & P.					
--var. costaricensis (Mez) Mez		PROV: ch	000m: 1-2	RANGE: cr	epiphyte
singularis Mez & Werckle		PROV: bo cc pa vr	000m: 0-1	RANGE: cr	epiphyte
*spiculosa Griseb.					
*--var. spiculosa		PROV: ca ch cn da pa	000m: 0-1	RANGE: bol col cr his sao	epiphyte
subulifera Mez		PROV: ca	000m: 0-1	RANGE: trt	herb
*tricolor Schlecht. & Cham.					
--var. melanocrater (L.B. Sm.) L.B. Sm.		PROV: ca ch cn da	000m: 0-1, 1-2	RANGE: cag cr gua	epiphyte

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
32 (17) BROMELIACEAE cont.					
usneoides (L.) L.		PROV: bo ca ch da pa	000m: 0-1,1-2,2-3	RANGE: ang cag nao sag sao tex	epiph herb
valenzuelana A. Rich.		PROV: bo ca	000m: 0-1	RANGE: bol cag col fla gag mex ven	herb
Vriesea					
*acuminata Mez & Werckle		PROV: vr	000m: 0-1	RANGE: cr	herb
alta Mez		PROV: ch	000m: 0-1,1-2,2-3	RANGE: jam	herb
*attenuata L.B. Sm. & Pittend.		PROV: cc ch vr	000m: 0-1	RANGE: cr	epiphyte
*bicolor L.B. Smith		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
*capitata (Mez & Werckle) L.B. Sm. & Pittend.		PROV: pa	000m: 0-1	RANGE: cr	epiphyte
*chontelensis (Baker) L.B. Sm.		PROV: ch da vr	000m: 0-1,1-2	RANGE: wr	epiph herb
*diffusa L.B. Sm. & Pittend.		PROV: ch da pa	000m: 0-1,1-2	RANGE: cr	epiphyte
gladioliflora (Wendl.) Antoine		PROV: ca ch	000m: 0-1,1-2	RANGE: bel col cr gua	epiphyte
*graminifolia Mez & Werckle		PROV: ch	000m: 1-2,2-3	RANGE: cr gua	herb
heliconioides Walp.		PROV: bo ca da pa	000m: 0-1	RANGE: bol cag? gua sag? sao	herb
*hygrometrica (Mez) L.B. Sm. & Pittend.		PROV: ch vr	000m: 0-1,1-2	RANGE: col cr ecu gua mex ven	epiph herb
*incurva (Griseb.) R.W. Read		PROV: ch	000m: 1-2	RANGE: bol col cr cub gag jam ven	epiphyte
*killipiana L.B. Sm.		PROV: pa	000m: 0-1	RANGE: col	epiphyte
*leptopoda L.B. Sm. & Pittend.		PROV: ch	000m: 1-2	RANGE: cr	epiphyte
*leucophylla L.B. Sm.		PROV: ch	000m: 1-2	RANGE: cr	epiphyte
*monstrum (Mez) L.B. Sm.		PROV: pa sa	000m: 0-1	RANGE: col cr	epiphyte
*nephrolepis L.B. Sm. & Pittend.		PROV: ch vr	000m: 0-1,1-2	RANGE: cr	epiphyte
*ororiensis (Mez) L.B. Sm. & Pittend.		PROV: bo cc ch	000m: 0-1,1-2,3+	RANGE: cr	epiphyte
*pedicellata (Mez & Werckle) L.B. Sm. & Pittend.		PROV: ch	000m: 1-2	RANGE: cr hon nic	epiphyte
*picta (Mez & Werckle) L.B. Sm. & Pittend.		PROV: ch	000m: 2-3	RANGE: cr	epiphyte
*pittieri Mez		PROV: pa	000m: 0-1	RANGE: wr	epiph herb
ringens (Griseb.) Harms		PROV: ca cn da	000m: 0-1,1-2	RANGE: ang col cr	epiphyte
sanguinolenta Cogn. & Marchal		PROV: bo ca ch pa	000m: 0-1	RANGE: col cr cub jam	epiphyte
*stenophylla (Mez & Werckle) L.B. Sm. & Pittend.		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: cr	epiphyte
subsecunda Wittm.		PROV: ch da	000m: 1-2	RANGE: cr	herb
*umbrosa L.B. Sm.		PROV: pa	000m: 0-1	RANGE: cr	epiphyte
*williamsii L.B. Sm.		PROV: cn	000m: 1-2,2-3	RANGE: cr	herb
woodsoniana L.B. Sm.		PROV: ch	000m: 1-2	RANGE: end	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
33 (18) COMMELINACEAE					
<i>Aneilema</i> *umbrosum (Vahl) Kunth *--subsp. ovato-oblongum (P. Beauv.) J.K. Morton		PROV: wp	000m: we	RANGE: wr	herb
* <i>Apioleia</i> *monandra (Sw.) H. Moore		PROV: da	000m: 0-1	RANGE: mex nwt	herb
<i>Callisia</i> *ciliata H.B.K. *repens L.		PROV: ca pa PROV: wp	000m: 0-1 000m: we	RANGE: col RANGE: wr	herb herb
<i>Campelia</i> zanonia (L.) H.B.K.		PROV: bo ca cc ch da pa	000m: 0-1,1-2	RANGE: bol gag mex nwt sao	herb
<i>Cochliostema</i> odoratissimum Lem.		PROV: bo sa	000m: 0-1	RANGE: bol cr? ecu nic	epiph herb
<i>Commelina</i> diffusa Burm. f. *elongata (Meyer) Woods. *erecta L.		PROV: bo ca cc ch da PROV: ca PROV: ca cc ch da he pa sa	000m: 0-1,1-2,2-3 000m: 0-1 000m: 0-1,1-2	RANGE: wdw RANGE: wr RANGE: fla tex wdw	herb herb herb
*obliqua Vahl *standleyi Steyererm.		PROV: wp PROV: wp	000m: we 000m: we	RANGE: wr RANGE: wr	herb herb
<i>Commelinopsis</i> *rufipes (Seub.) D.R. Hunt		PROV: pa	000m: 0-1	RANGE: wr	herb
<i>Dichorisandra</i> hexandra (Aubl.) Standl.		PROV: bo ca cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: gua nwt sao	herb
<i>Floscopa</i> robusta (Seub.) C.B. Clarke		PROV: bo	000m: 0-1	RANGE: cag nic per sag sao	herb
<i>Gibasis</i> *geniculata (Jacq.) Rohw.		PROV: bo ca cc da	000m: 0-1	RANGE: mex nwt sao	herb
<i>Leptorrhoeo</i> *filiformis (Mart. & Gal.) C.B. Clarke		PROV: ca pa	000m: 0-1	RANGE: mex nwt sao	herb
<i>Murdannia</i> *nudiflora (L.) Brenan		PROV: ca pa	000m: 0-1	RANGE: wr	herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
33 (18) COMMELINACEAE cont.					
<i>Phaeosphaerion leiocarpum</i> (Benth.) C.B. Clarke		PROV: ca	000m: 0-1	RANGE: cag mex ven	herb
<i>Phyodina cordifolia</i> (Sw.) Rohw.		PROV: ca cc da pa	000m: 0-1	RANGE: bel cag col ecu fla gag hon mex per ven	herb
<i>*gracilis</i> (H.B.K.) Raf.		PROV: wp	000m: we	RANGE: per ven	herb
<i>*Polia americana</i> Faden		PROV: pa	000m: 0-1	RANGE: end	herb
<i>Tinantia erecta</i> (Jacq.) Schlecht.		PROV: ch	000m: 2-3, 3+	RANGE: asi mex nwt	herb
<i>leiocalyx</i> C.B. Clarke		PROV: bo ca cc pa	000m: 0-1	RANGE: cag mex ven	herb
<i>*standleyi</i> Steyerl.		PROV: wp	000m: we	RANGE: cag col mex	herb
<i>Tradescantia pallida</i> D. Hunt		PROV: cc	000m: 0-1	RANGE: wr	herb
<i>*poelliae</i> D. Hunt		PROV: ch	000m: 1-2, 2-3	RANGE: cag mex	herb
<i>Tripogandra multiflora</i> (Sw.) Woods.		PROV: wp	000m: we	RANGE: ang bol cr sat	herb
<i>*purpurascens</i> (Schauer) Handl.		PROV: ch	000m: 2-3	RANGE: cag mex	herb
<i>*--subsp. purpurascens</i>		PROV: bo ca cc ch cn	000m: 0-1, 1-2	RANGE: ang cag mex per sag	herb
<i>*serrulata</i> (Vahl) Handl.		da pa sa		sao	
<i>Zebrina huehueteca</i> Standl. & Steyerl.		PROV: cc pa vr	000m: 0-1	RANGE: gua	herb
<i>pendula</i> Schnizl. cult.		PROV: bo	000m: 0-1	RANGE: cag mex nwt	herb
34 (19) PONTEDERIACEAE					
<i>Eichhornia azurea</i> (Sw.) Kunth		PROV: bo ca	000m: 0-1	RANGE: ang cag mex sag sao	herb
<i>crassipes</i> (Mart.) Solms		PROV: bo ca ch	000m: 0-1, 1-2	RANGE: ang cag? nag sag? sao	aquat herb
<i>*heterosperma</i> E.J. Alex.		PROV: ca	000m: 0-1	RANGE: col sao trt ven	herb
<i>Heteranthera limosa</i> (Sw.) Willd.		PROV: cc he pa	000m: 0-1	RANGE: cag nag sag sao	herb
<i>reniformis</i> R. & P.		PROV: bo ca cc ch pa	000m: 0-1, 1-2	RANGE: cag nag sag sao	herb
<i>spicata</i> Presl		PROV: cc he	000m: 0-1	RANGE: cub his mex	herb
<i>Pontederia parviflora</i> E.J. Alex.		PROV: cc he pa	000m: 0-1	RANGE: nwt ven	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
34 (19) PONTEDERIACEAE cont.					
rotundifolia L. f.		PROV: ca da	000m: 0-1	RANGE: cag? mex sag? sao	herb
36 (20) JUNCACEAE					
*Juncus					
*liebmannii Macbr.					
*--var. liebmannii		PROV: bo	000m: 3+	RANGE: mex	herb
*microcephalus H.B.K.		PROV: ch	000m: 1-2	RANGE: cao sao	herb
Luzula					
*denticulata Liebm.		PROV: ch	000m: 3+	RANGE: cr gua mex	herb
38 (21, 22) LILIACEAE					
Anthericum					
echeandioides Baker		PROV: ch	000m: 1-2	RANGE: cag? cr mex	herb
*eleutherandrum (Koch) H. Moore		PROV: ch	000m: 1-2	RANGE: wr	herb
macrophyllum Baker		PROV: cc ch da	000m: 0-1, 1-2	RANGE: cr	herb
*Cordyline					
*fruticosa Goepp.	cult.	PROV: ca cn	000m: 0-1	RANGE: nwt	shrub
*Dracaena					
*americana J.D. Sm.		PROV: ch	000m: 0-1	RANGE: cr mex	tree
Echeandia					
prolixa Woods.		PROV: pa	000m: 0-1	RANGE: cr hon nic	herb
venusta Woods.		PROV: ch	000m: 2-3	RANGE: end	herb
*Sansevieria					
*guineensis Willd.	intr. cult.	PROV: pa	000m: 0-1	RANGE: owt	herb
Smilacina					
paniculata Mart. & Gal.		PROV: ch	000m: 2-3, 3+	RANGE: cag mex	herb
Smilax					
chiriquensis Morton		PROV: bo cc ch vr	000m: 0-1, 1-2	RANGE: end	climber
*lanceolata L.		PROV: bo ca cc ch cn	000m: 0-1, 1-2, 3+	RANGE: ang cag mex nag?	climber
		da he pa sa vr			
mollis Willd.		PROV: ca cc ch cn da	000m: 0-1, 1-2	RANGE: cag? mex	climber
		he pa sa			
panamensis Morong		PROV: bo ca cc ch da	000m: 0-1, 1-2	RANGE: cr gua hon	climber
spinosa Mill.		PROV: bo ca cc ch da	000m: 0-1, 1-2	RANGE: ang cag? mex	climber
		lo pa vr			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
38 (21, 22) LILIACEAE cont.					
spissa Killip & Morton		PROV: ca cc da pa vr	000m: 0-1,1-2	RANGE: cr	climber
subpubescens A. DC.		PROV: bo ch pa	000m: 0-1,1-2	RANGE: cag mex	climber
39 (23) HAEMODORACEAE					
Xiphidium					
caeruleum Aubl.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1,1-2	RANGE: ang bol cag? mex sag? sao	herb
40 (24) AMARYLLIDACEAE					
Agave					
panamana Trel.		PROV: ca lo pa	000m: 0-1	RANGE: end	herb
*Amaryllis					
*belladonna L.	cult.	PROV: ca	000m: 0-1	RANGE: nwt owt	herb
Bomarea					
*acuminata Baker		PROV: bo ch	000m: 2-3	RANGE: cr	herb
*acutifolia		PROV: bo ch	000m: 2-3	RANGE: cr	climber
alleni Killip		PROV: cc pa vr	000m: 0-1	RANGE: sat	climber
					herb
*andreana Baker		PROV: bo	000m: 2-3	RANGE: col	herb
*caldasii (H.B.K.) Aschers. & Graebn.					
		PROV: ch	000m: 2-3	RANGE: col cr ecu	herb
chiriquina Killip		PROV: ch	000m: 1-2,2-3	RANGE: cr	climber
chontalensis Seem.		PROV: bo	000m: 0-1	RANGE: cag? nic	climber
*denticulata (R. & P.) Herb.		PROV: ch	000m: 2-3	RANGE: pr	herb
edulis (Tuss.) Herb.		PROV: cc ch	000m: 0-1,1-2	RANGE: ang cag mex sao	climber
hirsuta (H.B.K.) Herb.					
--var. concolor (Cufod.) Killip		PROV: bo ch	000m: 1-2,2-3,3+	RANGE: cr	climber
--var. hirsuta		PROV: ch	000m: 2-3	RANGE: col cr ecu	climber
*obovata Herb.		PROV: bo	000m: 0-1	RANGE: bol ecu per	herb
Crinum					
dariensis Woods.		PROV: cc da pa	000m: 0-1	RANGE: end	herb
erubescens Ait.	cult.	PROV: bo ca cc da sa	000m: 0-1	RANGE: nwg?	herb
longiflorum Herb.	cult. nat.				
		PROV: bo	000m: 0-1	RANGE: jam	herb
Curculigo					
scorzoneraefolia (Lam.) Baker		PROV: pa	000m: 0-1	RANGE: ang cag mex sag	herb
Eucharis					
bouchei Woods. & Allen		PROV: cc pa	000m: 0-1	RANGE: end	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
40 (24) AMARYLLIDACEAE cont.					
<i>candida</i> Planch.		cult. PROV: cc	000m: 0-1	RANGE: col	herb
<i>Furcraea</i>					herb
<i>cabuya</i> Trel.		PROV: ch he	000m: 0-1	RANGE: cr	herb
--var. <i>integra</i> Trel.		PROV: pa	000m: 0-1, 1-2	RANGE: wr	
<i>Hymenocallis</i>					herb
* <i>pedalis</i> Herb.		PROV: bo ca cn pa sa	000m: 0-1	RANGE: bel sao	
<i>Hypoxis</i>					herb
<i>decumbens</i> L.		PROV: cc ch cn	000m: 0-1, 1-2	RANGE: ang cag? mex sag? sao	herb
<i>humilis</i> H.B.K.		PROV: ch	000m: 1-2	RANGE: cag? mex sag? sao	
<i>Pancratium</i>					herb
<i>littorale</i> Jacq.		PROV: bo pa	000m: 0-1	RANGE: ang cag? nag? sag?	
<i>Zephyranthes</i>					herb
<i>citrina</i> Baker		intr. PROV: bo	000m: 0-1	RANGE: cub gui? nwg? trt	herb
<i>rosea</i> Lindl.		PROV: bo	000m: 0-1	RANGE: ang cub	herb
<i>tubispatha</i> Herb.		PROV: bo ca sa	000m: 0-1	RANGE: cag jam per sao? trt	herb
41 (25) VELLOZIACEAE					
<i>Vellozia</i>					shrub
<i>panamensis</i> Standl.		PROV: ch	000m: 0-1	RANGE: end	
42 TACCACEAE					
43 (26) DIOSCOREACEAE					
<i>Dioscorea</i>					climber
* <i>alata</i> L.		intr. cult. nat. PROV: ca ch vr	000m: 0-1, 1-2	RANGE: asi	climber
		PROV: pa	000m: 0-1	RANGE: mex	
* <i>carionis</i> Prain & Burkill					climber
<i>convolvulacea</i> Schlecht. & Cham.		PROV: cc da	000m: 0-1	RANGE: cag mex trt	climber
--var. <i>glabra</i> Knuth		PROV: ca cc pa vr	000m: 0-1	RANGE: end	climber
<i>cymosula</i> Hemsl.		PROV: vr	000m: 0-1	RANGE: bel hon	climber
* <i>deamii</i> Matuda		PROV: ca	000m: 0-1	RANGE: per	climber
* <i>haenkeana</i> Presl		PROV: cc ch pa vr	000m: 0-1, 1-2, 2-3	RANGE: cr	climber
<i>lepidota</i> Morton		PROV: bo ca cc ch cn	000m: 0-1, 1-2	RANGE: cag mex	
<i>macrostachya</i> Benth.		pa sa			
		PROV: ca cn	000m: 0-1	RANGE: cr hon mex	climber
* <i>mexicana</i> Scheidw.					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
43 (26) DIOSCOREACEAE cont.					
panamensis Knuth		PROV: ca pa	000m: 0-1	RANGE: end	climber
polygonoides Willd.		PROV: ca da pa	000m: 0-1,1-2	RANGE: ang cag? col mex sao	climber
racemosa (Kl.) Uline		PROV: bo cc ch da pa vr	000m: 0-1,1-2	RANGE: cr	climber
sapindoides Presl		PROV: ca ch cn pa	000m: 0-1	RANGE: cr mex	climber
standleyi Morton	cult.	PROV: bo ch cn pa	000m: 0-1	RANGE: cr	climber
trifida L. f.	intr. cult. nat.	PROV: bo ca pa vr	000m: 0-1	RANGE: ang cag? gua per sag? sao	climber
urophylla Hemsl.		PROV: ca cc ch cn da he pa vr	000m: 0-1,1-2	RANGE: col cr hon per	climber
44 (27) IRIDACEAE					
Cipura					
paludosa Aubl.		PROV: ca cc ch lo pa	000m: 0-1	RANGE: ang? cag? cub mex sag? sao	herb
Crocasia					
*crocosmiaeflora (Nichols.) N.E. Br.		PROV: ch	000m: 2-3	RANGE: ecu per sao	herb
Neomarica					
caerulea (Ker-Gawl.) Sprague	cult.	PROV: bo	000m: 0-1	RANGE: gui sao	herb
gracilis (Herb.) Sprague		PROV: bo ca cc cn da he lo pa vr	000m: 0-1	RANGE: cag mex sat	herb
Orthrosanthus					
*monadelphus Ravenna		PROV: ch	000m: 2-3,3+	RANGE: bol cag? mex per sag?	herb
Sisyrinchium					
chiricanum Woods.		PROV: ch lo	000m: 0-1,2-3	RANGE: end	herb
convolutum Nocca		PROV: ch	000m: 0-1	RANGE: cag? mex per sag?	herb
mandoni Baker		PROV: ch	000m: 1-2	RANGE: bol col	herb
micranthum Cav.		PROV: ch	000m: 1-2	RANGE: bol cag? mex sag?	herb
tinctorium H.B.K.		PROV: ch lo	000m: 0-1,1-2	RANGE: bol cag? mex per sag?	herb
45 (29) MUSACEAE					
Heliconia					
*atropurpurea Daniels & Stiles		PROV: ch vr	000m: 0-1	RANGE: cr	herb
*colgantea Daniels & Stiles		PROV: ch da pa	000m: 0-1	RANGE: cr	herb
curtispatha O.G. Peters.		PROV: ca cc ch cn da pa sa vr	000m: 0-1	RANGE: cr nic	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
45 (29) MUSACEAE cont.					
<i>hirsuta</i> L. f.		PROV: ca da pa sa	000m: 0-1	RANGE: cag sat	herb
* <i>ignescens</i> Daniels & Stiles		PROV: bo	000m: we	RANGE: cr	herb
<i>imbricata</i> (Kuntze) Baker		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cr	herb
		da			
* <i>irrasa</i> R.R. Sm.		PROV: ca cc ch cn da	000m: 0-1,1-2	RANGE: cr	herb
		pa vr			
<i>lankesteri</i> Standl.		PROV: ch	000m: 1-2	RANGE: cr	herb
*--var. <i>rubra</i> Daniels & Stiles		PROV: ch	000m: we	RANGE: cr	herb
<i>latispatha</i> Benth.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag col mex ven	herb
		da pa sa			
* <i>longiflora</i> R.R. Sm.		PROV: cc cn da pa sa	000m: 0-1	RANGE: cr nic	herb
* <i>lophocarpa</i> Daniels & Stiles		PROV: cc vr	000m: 0-1	RANGE: cr	herb
* <i>maculata</i> Kress		PROV: cn	000m: 0-1	RANGE: end	herb
* <i>magnifica</i> Kress		PROV: pa	000m: 0-1	RANGE: end	herb
<i>marginata</i> (Griggs) Pitt.		PROV: da	000m: 0-1	RANGE: cr ven	herb
<i>mariae</i> Hook. f.		PROV: bo ca cn da pa	000m: 0-1	RANGE: cag col nic	herb
		sa			
* <i>mathiasiae</i> Daniels & Stiles		PROV: bo	000m: we	RANGE: cr	herb
* <i>metallica</i> Hook.		PROV: ca cc cn da pa	000m: 0-1	RANGE: cr nic ven	herb
		pa			
* <i>monteverdensis</i> Daniels & Stiles		PROV: ch vr	000m: 1-2	RANGE: cr	herb
* <i>necrobracteata</i> Kress		PROV: cc	000m: 0-1	RANGE: end	herb
<i>nutans</i> Woods.		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: cr	herb
* <i>osaensis</i> Cufod.		PROV: ch	000m: 0-1	RANGE: cr	herb
<i>platystachys</i> Baker		PROV: ca cc ch cn da	000m: 0-1	RANGE: col cr ven	herb
		lo pa sa			
* <i>pogonantha</i> Cufod.					
*--var. <i>holerythra</i> Daniels & Stiles		PROV: bo ca cc cn da	000m: 0-1	RANGE: cr	herb
		pa vr			
*--var. <i>veraguasensis</i> Kress		PROV: vr	000m: 0-1	RANGE: end	herb
* <i>ramonensis</i> Daniels & Stiles					
*--var. <i>glabra</i> Kress		PROV: cc	000m: 0-1	RANGE: end	herb
*--var. <i>lanuginosa</i> Kress		PROV: bo ch	000m: 1-2	RANGE: end	herb
*--var. <i>xanthotricha</i> Kress		PROV: cc	000m: 0-1	RANGE: end	herb
<i>reticulata</i> (Griggs) Winkl.		PROV: bo cc cn vr	000m: 0-1	RANGE: col cr ecu	herb
* <i>sarapiquensis</i> Daniels & Stiles		PROV: bo cc	000m: 0-1	RANGE: cr	herb
* <i>secunda</i> R.R. Sm.		PROV: ch	000m: 1-2	RANGE: cr	herb
* <i>sessilis</i> Kress		PROV: ca cn	000m: 0-1	RANGE: end	herb
* <i>spathocircinata</i> Arist.		PROV: bo cc pa	000m: 0-1	RANGE: cr ven	herb
* <i>stilesii</i> Kress		PROV: ch	000m: 0-1	RANGE: cr	herb
* <i>tacarcuna</i> L. Andersson		PROV: da	000m: we	RANGE: end	herb
* <i>talamancana</i> Daniels & Stiles		PROV: vr	000m: 0-1	RANGE: cr	herb
<i>tortuosa</i> Griggs		PROV: ch	000m: 1-2	RANGE: cag mex	herb
* <i>trichocarpa</i> Daniels & Stiles		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: cr	herb
* <i>vaginalis</i> Benth.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag col ecu mex	herb
		da pa sa			
<i>wagneriana</i> O.G. Peters.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag col cr	herb
		da sa			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
45 (29) MUSACEAE cont.					
*xanthovillosa Kress		PROV: pa	000m: 0-1	RANGE: end	herb
*Musa					
*sapientum L.		intr. cult. PROV: ca	000m: 0-1	RANGE: asi	herb
46 (30) ZINGIBERACEAE					
*Alpinia					
*purpurata Schum.		intr. cult. PROV: ca	000m: 0-1	RANGE: owt	herb
*speciosa Schum.		intr. cult. PROV: ca pa	000m: 0-1	RANGE: owt	herb
Costus					
*allenii Maas		PROV: ca cc cn pa vr	000m: 0-1	RANGE: col ecu ven	herb
*comosus (Jacq.) Rosc.					
--var. bakeri (Schum.) Maas		PROV: vr	000m: 0-1	RANGE: col gua mex sal	herb
--var. comosus		PROV: vr	000m: 0-1	RANGE: col cr ven	herb
*curvibracteatus Maas		PROV: cc ch cn da pa vr	000m: 0-1,1-2	RANGE: cr	herb
*glaucus Maas		PROV: ca cc da	000m: 0-1	RANGE: col cr	herb
*guanaiensis Rusby					
--var. macrostrobilus (Schum.) Maas		PROV: bo ca ch da pa	000m: 0-1	RANGE: bel col ecu gua gui	herb
laevis R. & P.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: per pr sao trt ven nic per sat	herb
*lasius Loes.		PROV: cc ch da pa	000m: 0-1,1-2	RANGE: col cr per sao	herb
lima Schum.					
--var. lima		PROV: bo cc ch da vr	000m: 0-1	RANGE: col cr ecu nic	herb
--var. scabremarginatus Maas		PROV: da	000m: 0-1	RANGE: col ecu ven	herb
*nitidus Maas		PROV: bo	000m: 0-1	RANGE: cr	herb
*plicatus Maas		PROV: ch pa vr	000m: 0-1	RANGE: cr	herb
*pulverulentus Presl		PROV: bo ca cc ch cn da lo pa vr	000m: 0-1	RANGE: cag col ecu gua mex sat ven	herb
scaber					
--var. xlasius R. & P.		PROV: bo ca ch cn da sa	000m: 0-1,1-2	RANGE: end	herb
*speciosus (Koenig) J.E. Sm.		PROV: ca	000m: 0-1	RANGE: bel cr	herb
villosissimus Jacq.		PROV: bo ca cc ch cn da he pa sa	000m: 0-1	RANGE: col cr ecu gua gui jam lag per sag? ven	herb
*vinosus Maas		PROV: cn	000m: 0-1	RANGE: end	herb
*wilsonii Maas		PROV: ch	000m: 1-2	RANGE: cr	herb
*woodsonii Maas		PROV: bo ca cn sa vr	000m: 0-1	RANGE: cr nic	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
46 (30) ZINGIBERACEAE cont.					
<i>Dimerocostus strobilaceus</i> Kuntze		PROV: bo ca cn da pa 000m: 0-1 sa		RANGE: col cr ecu hon per herb ven	
* <i>Hedychium coronarium</i> Koenig		intr. cult. nat. PROV: bo ca cc ch cn 000m: 0-1 da lo		RANGE: owt	herb
* <i>Kaempferia rotunda</i> L.		intr. PROV: cn 000m: 0-1		RANGE: asi sao	herb
* <i>Nicolaia elatior</i> (Jack) Horan.		intr. PROV: ca 000m: 0-1		RANGE: owt	herb
<i>Renealmia alpinia</i> (Rottb.) Maas		PROV: bo ca cc ch cn 000m: 0-1 da pa		RANGE: bel cag lag mex sao herb sat	
<i>cernua</i> (Sw.) Macbr.		PROV: bo ca cc ch cn 000m: 0-1,1-2 da pa sa vr		RANGE: col cr ecu gua nic herb per per sat ven	
<i>chiriquina</i> Standl.		PROV: bo ch 000m: 1-2,2-3		RANGE: end	herb
* <i>congesta</i> Maas		PROV: cc vr 000m: 0-1,1-2		RANGE: cr	herb
<i>costaricensis</i> Standl.		PROV: bo cc cn pa sa 000m: 0-1		RANGE: col cr	herb
* <i>dressleri</i> Maas		PROV: pa 000m: 0-1,1-2		RANGE: end	herb
* <i>erythrocarpa</i> Standl.		PROV: vr 000m: 0-1		RANGE: cr nic	herb
* <i>foliifera</i> Standl.		PROV: bo cc cn da pa 000m: 0-1,1-2 vr		RANGE: col cr	herb
* <i>helenae</i> Maas		PROV: pa 000m: 0-1		RANGE: end	herb
* <i>ligulata</i> Maas		PROV: ch 000m: 1-2		RANGE: col cr	herb
* <i>lucida</i> Maas		PROV: bo ch 000m: 1-2		RANGE: wr	herb
* <i>mexicana</i> O.G. Peters.		PROV: bo ca cn pa vr 000m: 0-1		RANGE: cag mex	herb
* <i>monosperma</i> Miq.		PROV: da 000m: 0-1		RANGE: col gui sao ven	herb
* <i>multiplicata</i> Maas		PROV: pa 000m: 0-1		RANGE: wr	herb
<i>occidentalis</i> (Sw.) Sweet		PROV: ca cc cn da he 000m: 0-1,1-2 lo pa sa vr		RANGE: ang bel cag sat sat	herb
* <i>pluriplicata</i> Maas		PROV: bo ca cc cn pa 000m: 0-1 sa vr		RANGE: col cr ecu per	herb
* <i>scaposa</i> Maas		PROV: cc 000m: 0-1		RANGE: cr	herb
* <i>thyrsoides</i> (R. & P.) P. & E.		PROV: ch da 000m: 0-1,1-2		RANGE: cr cr sat	herb
* <i>---subsp. thyrsoides</i>					
* <i>Zingiber officinale</i> Rosc.		intr. cult. PROV: ca 000m: 0-1		RANGE: wdt	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
47 (31) CANNACEAE					
Canna					
flaccida Salisb.	cult.	PROV: bo ca lo	000m: 0-1	RANGE: ang fla nao nao	herb
glauca L.		PROV: bo	000m: 0-1	RANGE: ang gui sag? sao	herb
indica L.	intr. cult.	PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cag? mex sag? sao	herb
		da pa			
*tuerckheimii Kranzl.		PROV: ch	000m: 1-2	RANGE: cag mex	herb
48 (32) MARANTACEAE					
Calathea					
allenii Woods.		PROV: cc cn pa sa vr	000m: 0-1	RANGE: end	herb
*brenesii Standl.		PROV: ch vr	000m: 0-1	RANGE: cr	herb
*caesariata H. Kennedy		PROV: pa	000m: 0-1	RANGE: cr	herb
*cleistantha Standl.		PROV: cc	000m: 0-1	RANGE: cr	herb
*coriacea H. Kennedy		PROV: pa	000m: 0-1	RANGE: end	herb
*crotalifera Wats.		PROV: ch	000m: 0-1	RANGE: cr	herb
*cuneata H. Kennedy		PROV: vr	000m: 0-1	RANGE: cr	herb
*donnell-smithii Schum.		PROV: cc pa	000m: 0-1	RANGE: cr	herb
*dressleri H. Kennedy		PROV: da pa	000m: 0-1	RANGE: end	herb
*elegans H. Kennedy		PROV: pa sa	000m: 0-1	RANGE: col cr	herb
foliosa Woods.		PROV: bo	000m: 0-1	RANGE: cr?	herb
*guzmanioides L.B. Sm. & Idrobo		PROV: vr	000m: 0-1	RANGE: cr	herb
*gymnocarpa H. Kennedy		PROV: bo cn	000m: 0-1	RANGE: cr	herb
indecora Woods.		PROV: bo ch vr	000m: 0-1	RANGE: cr	herb
*inocephala (Kuntze) H. Kennedy & D. Nichols.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag? cr gua gui per	herb
		da pa		sag?	
insignis O.G. Peters.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cag col mex per	herb
		da pa sa vr			
*killipii L.B. Sm. & Idrobo		PROV: pa	000m: 0-1	RANGE: col	herb
laslostachya J.D. Sm.		PROV: bo ca cc cn da	000m: 0-1	RANGE: cr	herb
		pa			
*latifolia (Link) Kl.		PROV: ca ch cn da he	000m: 0-1	RANGE: col trt ven	herb
		pa sa			
*leucostachys Hook. f.		PROV: cn	000m: 0-1	RANGE: cr nic	herb
lutea (Aubl.) G. Meyer		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang bel cag? per sag?	herb
		da lo pa		sao	
*macrocephala Schum.		PROV: ch lo vr	000m: 0-1	RANGE: cag	herb
*marantifolia Standl.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bel per sat	herb
		da pa sa vr			
micans (Mathieu) Koern.		PROV: bo ca cc cn da	000m: 0-1	RANGE: cag? cr gua per sag?	herb
		pa sa vr		sao	
*nitidifolia H. Kennedy		PROV: vr	000m: 0-1	RANGE: cr	herb
panamensis Standl.		PROV: ca da lo pa	000m: 0-1	RANGE: cr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
48 (32) MARANTACEAE cont.					
*portobelensis H. Kennedy		PROV: ca cn pa	000m: 0-1	RANGE: end	herb
*robin-fosteri H. Kennedy		PROV: cn	000m: 0-1	RANGE: end	herb
*silvicola H. Kennedy		PROV: ch cn pa vr	000m: 0-1	RANGE: wr	herb
*similis H. Kennedy		PROV: bo	000m: 0-1	RANGE: wr	herb
*spiralis H. Kennedy		PROV: cc ch da vr	000m: 0-1, 1-2	RANGE: end	herb
*venusta H. Kennedy		PROV: cn	000m: 0-1	RANGE: cr	herb
*verecunda H. Kennedy		PROV: pa	000m: 0-1	RANGE: end	herb
villosa (Lodd.) Lindl.		PROV: ca pa	000m: 0-1	RANGE: cr sag? sao	herb
warscewiczii (Mathieu) Koern.		PROV: bo	000m: 0-1	RANGE: cr hon	herb
Ctenanthe					
dasycarpa (J.D. Sm.) Schum.		PROV: bo cc pa vr	000m: 0-1	RANGE: cr	herb
*Hylaeanth					
*panamensis (Standl.) H. Kennedy		PROV: ca da pa	000m: 0-1	RANGE: col cr	herb
Ischnosiphon					
*arouma (Aubl.) Koern.		PROV: ca cc cn	000m: 0-1	RANGE: col ecu gui lag sat trt ven	herb
*elegans Standl.		PROV: bo	000m: 0-1	RANGE: cr nic	herb
*helenae Andersson		PROV: cc cn pa	000m: 0-1	RANGE: sat	herb
*inflatus Andersson		PROV: bo cn pa	000m: 0-1	RANGE: col cr	herb
leucophaeus (P. & E.) Koern.					
*--subsp. ramosus Andersson		PROV: bo ca da pa sa	000m: 0-1	RANGE: col cr nic ven	herb
Maranta					
arundinacea L.		PROV: ca cc ch pa sa vr	000m: 0-1	RANGE: cag nag? sag	herb
Pleiostachya					
morlae (Eggers) Schumann		PROV: bo da	000m: 0-1	RANGE: sag?	herb
pittieri Standl.		PROV: sa	000m: 0-1	RANGE: col?	herb
pruinosa (Regel) Schum.		PROV: bo ca ch da pa vr	000m: 0-1	RANGE: bel	herb
Stromanthe					
*jacquinii (R. & S.) H. Kennedy & D. Nichols.		PROV: ca cn da pa sa	000m: 0-1	RANGE: col cr ven	herb
*tonckat (Aubl.) Eichl.		PROV: da	000m: 1-2	RANGE: ven	herb
Thalia					
geniculata L.		PROV: ca ch da he pa	000m: 0-1	RANGE: ang cag fla mex sag? sao	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
49 (28) BURMANNIACEAE					
<i>Apteria</i>					
<i>aphylla</i> Small		PROV: bo sa	000m: 0-1	RANGE: bol cag cub his mex nag? pr sag? sao	herb
<i>Burmannia</i>					
<i>capitata</i> (J.F. Gmel.) Mart.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag? nag? nao sag? sao	herb
* <i>flava</i> Mart.		PROV: pa	000m: 0-1	RANGE: cag sat	herb
* <i>kalbreyeri</i> Oliv.		PROV: ch	000m: 1-2	RANGE: wr	epiph herb
<i>Cymbocarpa</i>					
* <i>refracta</i> Miers		PROV: wp	000m: we	RANGE: cub	herb
<i>Dictyostega</i>					
* <i>orobanchioides</i> (Hook.) Miers					
*--subsp. <i>orobanchioides</i>		PROV: cc ch da	000m: 0-1,1-2	RANGE: nwt	herb
*--subsp. <i>parviflora</i> (Benth.) Jonker		PROV: da	000m: 1-2	RANGE: ang sat	herb
*--subsp. <i>purdieana</i> (Benth.) Snelders & Maas		PROV: da	000m: 1-2	RANGE: col ecu per	herb
<i>Gymnosiphon</i>					
* <i>brachycephalus</i> Snelders & Maas		PROV: cc	000m: 0-1	RANGE: wr	herb
* <i>breviflorus</i> Gleason		PROV: wp	000m: 0-1	RANGE: col sao	herb
* <i>divaricatus</i> (Benth.) Benth. & Hook.		PROV: ca	000m: 0-1	RANGE: cag sat	herb
<i>panamensis</i> Jonker		PROV: bo ch cn da he pa sa vr	000m: 0-1	RANGE: cag mex	herb
<i>suaveolens</i> (Karst.) Urb.		PROV: bo ch pa	000m: 0-1,1-2	RANGE: cag? mex sag? sao	herb
* <i>tenellus</i> (Benth.) Urb.		PROV: da	000m: 0-1	RANGE: cag jam sao sat	herb
* <i>Sanblasia</i>					
* <i>dressleri</i> Andersson		PROV: cn sa	000m: 0-1	RANGE: end	herb
<i>Thismia</i>					
* <i>leutzelburgii</i> Gobel & Suess.		PROV: cn	000m: 0-1	RANGE: wr	herb
<i>panamensis</i> (Standl.) Jonker		PROV: ca cn	000m: 0-1	RANGE: ecu	herb

50 (33) ORCHIDACEAE

<i>Acineta</i>					
<i>chrysantha</i> (C. Morr.) Lindl. & Paxt.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>sella-turcica</i> Rchb. f.		PROV: ch	000m: we	RANGE: wr	herb
<i>superba</i> (H.B.K.) Rchb. f.		PROV: ch	000m: 0-1	RANGE: col ecu herb ven	epiph
<i>Acostaea</i>					
* <i>bicornis</i> Luer		PROV: pa	000m: 0-1,1-2	RANGE: end	epiphyte
<i>costaricensis</i> Schltr.		PROV: cc	000m: 0-1,1-2	RANGE: cr	epiph herb
* <i>pleurothalloides</i> Schltr.		PROV: pa	000m: 0-1	RANGE: cr	herb
* <i>unicornis</i> Luer		PROV: cc vr	000m: 0-1,1-2	RANGE: end	epiphyte
* <i>Ada</i>					
* <i>allenii</i> (Schweinf.) N.H. Wms.		PROV: cc pa	000m: 0-1	RANGE: wr	epiph herb
* <i>chlorops</i> (Endres & Rchb. f.) N.H. Wms.		PROV: ch	000m: 1-2	RANGE: cr nic	epiph herb
* <i>Arundina</i>					
* <i>graminifolia</i> (Don) Hoch. intr. cult.		PROV: ca pa	000m: 0-1	RANGE: hon	terr herb
<i>Aspasia</i>					
<i>epidendroides</i> Lindl.		PROV: cc ch pa vr	000m: 0-1	RANGE: cr gua hon nic	epiph herb
<i>principissa</i> Rchb. f.		PROV: ca cn da pa	000m: 0-1	RANGE: cag cr nic	epiph herb
* <i>Aspidogyne</i>					
* <i>stictophylla</i> (Schltr.) Garay		PROV: vr	000m: 0-1	RANGE: wr	herb
* <i>Barbosella</i>					
* <i>circinata</i> Luer		PROV: ch	000m: we	RANGE: wr	herb
* <i>orbicularis</i> Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
<i>Barkeria</i>					
* <i>chinensis</i> (Lindl.) Thien		PROV: ch	000m: we	RANGE: cag	herb
* <i>Baskervilla</i>					
* <i>colombiana</i> Garay		PROV: ch pa vr	000m: 0-1	RANGE: col	herb
<i>Beloglottis</i>					
<i>costaricensis</i> (Rchb. f.) Schltr.		PROV: ca lo	000m: 0-1	RANGE: cr gua hon mex nic	herb
<i>Bletia</i>					
<i>campanulata</i> Llave & Lex.		PROV: ch	000m: 1-2	RANGE: cag cr gua hon mex herb nic sal	
<i>purpurea</i> (Lam.) DC.		PROV: cc pa	000m: 0-1	RANGE: ang bel col cr gua herb hon mex nic ven	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>*Brachionidium</i>					
<i>*folsomii</i> Dressler		PROV: cc	000m: 0-1	RANGE: wr	wh
<i>*kuhniarum</i> Dressler		PROV: cc	000m: 0-1	RANGE: wr	wh
<i>*pusillum</i> A. & S.		PROV: ch vr	000m: 0-1	RANGE: cr	herb
<i>*valerioi</i> A. & S.		PROV: ch vr	000m: 0-1	RANGE: cr	herb
<i>Brachystele</i>					
<i>guyanensis</i> (Lindl.) Schltr.		PROV: ca	000m: 0-1	RANGE: bol col cr gua gui hon mex trt	herb
<i>Brassavola</i>					
<i>acaulis</i> Lindl.		PROV: ch	000m: 1-2	RANGE: cr gua?	epiph herb
<i>*glaucal</i> Lindl.		PROV: wp	000m: we	RANGE: gua hon mex	terr epiph
<i>nodosa</i> (L.) Lindl.		PROV: bo ca cc pa vr	000m: 0-1	RANGE: ang cag mex sag	epiph herb
<i>Brassia</i>					
<i>*arcuigera</i> Rchb. f.		PROV: cc pa	000m: 0-1	RANGE: cr gua hon per	epiph herb
<i>caudata</i> (L.) Lindl.		PROV: ca ch da lo pa vr	000m: 0-1,1-2	RANGE: bol cag fla gag mex sag? sao	epiph herb
<i>gireoudiana</i> Rchb. f. & Warsc.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
<i>*lanceana</i> Lindl.		PROV: wp	000m: we	RANGE: gui	herb
<i>Bulbophyllum</i>					
<i>aristatum</i> (Rchb. f.) Hemsl.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr gua hon mex sai	epiph herb
<i>pachyrrhachis</i> (Rchb. f.) Griseb.		PROV: ca pa vr	000m: 0-1	RANGE: ang cr gua hon mex nic sai trt	epiph herb
<i>*wagneri</i> Schltr.		PROV: wp	000m: we	RANGE: end	herb
<i>Calanthe</i>					
<i>*calanthoides</i> (Rich. & Gal.) Hamer & Garay		PROV: bo ch	000m: 1-2,2-3	RANGE: ang cr gua mex nic sai	herb
<i>Campylocentrum</i>					
<i>brenesii</i> Schltr.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: cr gua	epiph herb
<i>*dressleri</i> Dietrich & Diaz		PROV: da	000m: 0-1	RANGE: wr	epiph
<i>fasciola</i> (Lindl.) Cogn.		PROV: da pa	000m: 0-1	RANGE: ang cag mex sao	wh
<i>*longicalcaratum</i> Ames & Schweinf.		PROV: wp	000m: we	RANGE: cr	wh
<i>micranthum</i> (Lindl.) Rolfe		PROV: bo ca da pa	000m: 0-1	RANGE: cag? cub gui his jam mex per sag? sao trt	epiph herb
<i>*pachyrrhizum</i> (Rchb. f.) Rolfe		PROV: ca pa	000m: 0-1	RANGE: ang nao trt ven	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*poeppigii (Rchb. f.) Rolfe		PROV: ca	000m: 0-1	RANGE: wr	herb
*schneeanum Foldats		PROV: wp	000m: we	RANGE: ven	wh
*tuerckheimii Schltr.		PROV: wp	000m: we	RANGE: gua	wh
*tyrridion Garay & Dunsterv.		PROV: ca	000m: 0-1	RANGE: ven	herb
Catasetum					
bicolor Kl.		PROV: ca ch cn	000m: 0-1,1-2	RANGE: col? sao ven	epiph herb
maculatum H.B.K.		PROV: bo ch vr	000m: 0-1	RANGE: col? cr gua hon nic	epiph herb
viridiflavum Hook.		PROV: ca cc cn pa vr	000m: 0-1	RANGE: wr	epiph herb
Cattleya					
*dowiana Batem.		PROV: da	000m: we	RANGE: col cr	epiph herb
*patinii Cogn.		PROV: ca pa	000m: 0-1	RANGE: col cr trt ven	herb
*Caularthron					
*bilamellatum (Rchb. f.) R.E. Schult.		PROV: bo ca ch cn da pa	000m: 0-1	RANGE: bel cag cr gua hon mex nic sal trt ven	epiph herb
*Chaubardiella					
*chasmatochila (Fowlie) Garay		PROV: pa	000m: 0-1	RANGE: wr	herb
Chondrorhyncha					
*albicans Rolfe		PROV: bo	000m: we	RANGE: cr	wh
*bicolor Rolfe		PROV: cc ch vr	000m: 0-1	RANGE: cr	herb
*crassa Dressler		PROV: cc ch	000m: 0-1	RANGE: wr	epiph
*eburnea Dressler		PROV: cc	000m: 0-1	RANGE: wr	epiph
*reichenbachiana Schltr.		PROV: cc da	000m: 0-1	RANGE: cr	herb
Chysis					
aurea Lindl.					
--var. maculata Hook.		PROV: ca	000m: 0-1	RANGE: cag col cr ven	epiph herb
*Cischweinfia					
*dasyandra (Rchb. f.) Dressler & N.H. Wms.		PROV: ch pa	000m: 0-1	RANGE: wr	herb
*pusilla (C. Schweinf.) Dressler & N.H. Wms.		PROV: cc ch da	000m: 0-1	RANGE: cr	epiph herb
Cleistes					
rosea Lindl.		PROV: ca cc pa vr	000m: 0-1,1-2	RANGE: ang col cr? gui ven	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>Clowesia</i>					
* <i>rosea</i> Lindl.		PROV: wp	000m: we	RANGE: mex	herb
* <i>russelliana</i> (Hook.) Dodson		PROV: wp	000m: we	RANGE: gua hon nic sal	herb
* <i>warczewitzii</i> (Lindl. & Paxt.) Dodson		PROV: ca cc cn pa	000m: 0-1	RANGE: col cr ven	epiph herb
* <i>Cochleanthes</i>					
* <i>anatona</i> Dressler		PROV: cc cn da	000m: 0-1	RANGE: end	epiph
* <i>aromatica</i> (Rchb. f.) Schult. & Garay		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
* <i>discolor</i> (Lindl.) R.E. Schult. & Garay		PROV: ch	000m: 1-2,2-3	RANGE: cr cub	herb
* <i>lipscombiae</i> (Rolfe) Garay		PROV: ca cc pa	000m: 0-1	RANGE: col	epiph herb
* <i>picta</i> (Rchb. f.) Garay		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiph herb
* <i>Coelia</i>					
<i>macrostachya</i> Lindl.		PROV: ch	000m: 1-2	RANGE: gua hon mex nic	epiph herb
<i>Coeliopsis</i>					
<i>hyacinthosma</i> Rchb. f.		PROV: cc ch pa	000m: 0-1	RANGE: cr	epiph herb
* <i>Comparettia</i>					
* <i>falcata</i> P. & E.		PROV: ch	000m: we	RANGE: gua hon nic	herb
<i>Coryanthes</i>					
<i>maculata</i> Hook.		PROV: ca pa	000m: 0-1	RANGE: cr gui per sao trt ven	epiph herb
* <i>speciosa</i> (Hook.) Hook.		PROV: ca	000m: 0-1	RANGE: bel gua hon	herb
<i>Corymborchis</i>					
<i>flava</i> (Sw.) Kuntze		PROV: ch	000m: 1-2	RANGE: ang bel cr sag sal	herb
<i>Cranichis</i>					
* <i>diphylla</i> Sw.		PROV: pa	000m: 0-1	RANGE: gua sal	herb
<i>muscosa</i> Sw.		PROV: cc ch pa	000m: 0-1,2-3	RANGE: ang cr fla mex	herb
* <i>Cryptarrhena</i>					
* <i>guatemalensis</i> Schltr.		PROV: pa	000m: 0-1	RANGE: gua nic	herb
* <i>lunata</i> R. Br.		PROV: wp	000m: we	RANGE: bel hon nic	herb
<i>Cryptocentrum</i>					
* <i>calcaratum</i> (Schltr.) Schltr.		PROV: wp	000m: we	RANGE: wr	herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>gracilipes</i> Schltr.		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
* <i>gracillimum</i> A. & S.		PROV: wp	000m: we	RANGE: cr	herb
<i>inaequisepalum</i> C. Schweinf.		PROV: ch	000m: 1-2	RANGE: col? ecu? per	epiph herb
<i>latifolium</i> Schltr.		PROV: cc	000m: 0-1,1-2	RANGE: cr	epiph herb
* <i>minus</i> Schlecht.		PROV: vr	000m: 0-1	RANGE: per	epiph herb
<i>standleyi</i> Ames		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
<i>Cryptophoranthus</i> <i>lepidotus</i> L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
<i>Cyclopogon</i> <i>prasophyllum</i> (Rchb. f.) Schltr.		PROV: ca cc	000m: 0-1	RANGE: cr gua hon	epiph herb
<i>Cycnoches</i> <i>aureum</i> Lindl. & Paxt.		PROV: cc	000m: 0-1	RANGE: cr hon	epiph herb
<i>chlorochilon</i> Kl.		PROV: ch pa	000m: 0-1	RANGE: col gui ven	epiph herb
<i>dianae</i> Rchb. f.		PROV: ch	000m: 0-1,1-2	RANGE: cr?	epiph herb
<i>egertonianum</i> Batem.		PROV: ca cc ch pa	000m: 0-1	RANGE: cag col cr gua hon mex nic per sal sao	epiph herb
<i>stenodactylon</i> Schltr.		PROV: wp	000m: we	RANGE: end	herb
<i>ventricosum</i> Batem.		PROV: cc ch da vr	000m: 0-1	RANGE: cag cr gua hon mex nic sal	epiph herb
* <i>Cymbiglossum</i> * <i>stellatum</i> (Lindl.) Halbinger		PROV: wp	000m: we	RANGE: gua mex ven	epiph
<i>Cyrtopodium</i> <i>punctatum</i> (L.) Lindl.		PROV: pa	000m: 0-1	RANGE: ang cag col cr fla gua gui mex per sao ven	herb
<i>Dichaea</i> * <i>brachypoda</i> Rchb. f.		PROV: pa	000m: 0-1	RANGE: cr nic	epiph herb
* <i>costaricensis</i> Schltr.		PROV: ch	000m: we	RANGE: cr	herb
* <i>dammeriana</i> Kranzl.		PROV: ch	000m: we	RANGE: nic	herb
* <i>hystericina</i> Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr gua hon	epiph herb
* <i>lobata</i> (Ames & Corr.) L.O. Wms.		PROV: ch	000m: we	RANGE: cr	herb
<i>morrisii</i> Fawc. & Rendl.		PROV: cc ch	000m: 1-2	RANGE: cr his hon jam nic	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
muricata (Sw.) Lindl.		PROV: cc ch cn	000m: 0-1,1-2	RANGE: cag? cub gag? lag mex sag? sao	epiph herb
*oxypetala Schltr.		PROV: ch	000m: 2-3	RANGE: cr	epiphyte
panamensis Lindl.		PROV: bo ca cc cn pa vr	000m: 0-1	RANGE: bel cag cr gua hon mex nic	epiph herb
*trulla Rchb. f.		PROV: bo ca cn da pa	000m: 0-1	RANGE: col cr hon nic	epiph herb
*tuerckheimii Schltr.		PROV: pa	000m: 0-1	RANGE: bel cr gua hon nic	herb
Dimerandra					
*emarginata (G. Meyer) Hoehne		PROV: bo ca da he pa	000m: 0-1	RANGE: ang bel cag cr gua hon mex sag	epiph herb
*isthmi Schltr.		PROV: bo ca da pa	000m: 0-1	RANGE: wr	epiph herb
*Dracula					
*erythrochaete (Rchb. f.) Luer		PROV: ch	000m: we	RANGE: wr	herb
*pusilla (Rolfe) Luer		PROV: ch	000m: we	RANGE: gua nic	herb
*Dresslerella					
*elvallensis Luer		PROV: cc	000m: 0-1	RANGE: wr	herb
*hispida (L.O. Wms.) Luer		PROV: cc pa	000m: 0-1	RANGE: nic	epiph herb
*pertusa (Dressler) Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
*powellii (Ames) Luer		PROV: wp	000m: we	RANGE: wr	herb
*Dressleria					
*dilecta (Rchb. f.) Dodson		PROV: vr	000m: 0-1	RANGE: cr nic	epiph herb
*suavis (A. & S.) Dodson		PROV: pa	000m: 0-1	RANGE: col nic	epiph herb
*Dryadella					
*gnoma (Luer) Luer		PROV: bo	000m: we	RANGE: wr	wh
*linearifolia (Ames) Luer		PROV: pa	000m: 0-1	RANGE: gua	herb
*pusiola (Rchb. f.) Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
*simula (Rchb. f.) Luer		PROV: ca	000m: 0-1	RANGE: col cr ecu gua hon nic	epiph herb
Elleanthus					
aurantiacus (Lindl.) Rchb. f.		PROV: cc ch pa	000m: 0-1,1-2,2-3	RANGE: cr hon nic per sag?	herb
capitatus (P. & E.) Rchb. f.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: ang cag mex per sag?	herb
*caricoides Nash		PROV: ch	000m: 2-3	RANGE: hon nic	epiphyte
*curtii Schltr.		PROV: wp	000m: we	RANGE: nic	herb
*glaucophyllus Schltr.		PROV: bo	000m: 2-3	RANGE: nic	epiphyte
*graminifolius (Barb. Rodr.) Lojt		PROV: cc cn pa vr	000m: 0-1,1-2	RANGE: nic	epiphyte
hymenophorus Rchb. f.		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: col cr nic per	epiph herb
*jimenezii (Schltr.) C. Schweinf.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	epiphyte
*lancifolium Presl		PROV: da	000m: 0-1	RANGE: cr?	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>linifolius</i> Presl		PROV: ca cc cn da pa	000m: 0-1	RANGE: ang bel cag cr gua per sag?	epiph herb
* <i>longibracteatus</i> (Griseb.) Fawc.		PROV: ca cn da pa	000m: 0-1	RANGE: col cr	epiph herb
<i>muscicola</i> Schltr.		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
* <i>poiformis</i> Schltr.		PROV: ch vr	000m: 0-1,1-2	RANGE: gua nic	epiphyte
* <i>stolonifer</i> Barringer		PROV: ch pa	000m: 0-1,1-2	RANGE: cr	epiphyte herb
* <i>tillandsioides</i> Barringer		PROV: ch	000m: 0-1,1-2	RANGE: cr	epiphyte
<i>Encyclia</i>					
* <i>abbreviata</i> (Schltr.) Dressler		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cr gua hon nic	epiph herb
* <i>amanda</i> (Ames) Dressler		PROV: wp	000m: we	RANGE: wr	epiph herb
* <i>brassavolae</i> (Rchb. f.) Dressler		PROV: ch	000m: 1-2	RANGE: cr gua hon mex sal	epiph herb
<i>campylostali</i> x (Rchb. f.) Schltr.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
* <i>ceratistes</i> (Lindl.) Schltr.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr gua hon nic sal	epiph herb
* <i>chacaoensis</i> (Rchb. f.) Dressler & Pollard		PROV: ca ch lo vr	000m: 0-1,1-2	RANGE: cag mex ven	epiph herb
* <i>chimborazoensis</i> (Schltr.) Dressler		PROV: ca cc cn pa sa vr	000m: 0-1	RANGE: col ecu	epiph herb
* <i>cochleata</i> (L.) Lemee		PROV: da	000m: we	RANGE: ang cag col mex ven	epiph herb
* <i>cordigera</i> (H.B.K.) Dressler		PROV: cc ch pa	000m: 0-1	RANGE: ang cr gua hon mex nic sag sal	epiph herb
* <i>fortunae</i> Dressler		PROV: ch	000m: we	RANGE: wr	wh
<i>gravida</i> (Lindl.) Schltr.		PROV: ch pa	000m: 0-1	RANGE: cr hon mex nic	epiph herb
* <i>ionocentra</i> (Rchb.) Dressler		PROV: ca da pa	000m: 0-1	RANGE: wr	epiph herb
* <i>livida</i> (Lindl.) Dressler		PROV: ch	000m: 1-2	RANGE: cag col cr gua hon mex sal ven	epiph herb
* <i>mooreana</i> (Rolfe) Schltr.		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiph herb
* <i>prismatocarpa</i> (Rchb. f.) Dressler cult.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	epiph herb
* <i>pseudopygmaea</i> (Finet) Dressler & Pollard		PROV: ch	000m: 1-2	RANGE: gua sal	herb
* <i>pygmaea</i> (Hook.) Dressler		PROV: cc ch pa	000m: 0-1	RANGE: ang bol cag fla mex sag? sao	epiph herb
* <i>sima</i> Dressler		PROV: cc da pa sa	000m: 0-1,1-2	RANGE: wr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
*spondiada (Rchb. f.) Dressler		PROV: ch	000m: 1-2	RANGE: cr	jam?				epiph herb
*triptera (Brongn.) Dressler & Pollard		PROV: ca cc ch da	000m: 0-1	RANGE: ang	fla	mex	sao	trt	epiphyte
*varicosa (Batem.) Schltr.		PROV: ch	000m: we	RANGE: cr	gua	hon	mex	sal	epiph herb
*vespa (Vell.) Dressler		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: ang sao	cr	hon	nic	sag	epiph herb
Epidanthus									
*crassus Dressler		PROV: cc	000m: 0-1	RANGE: wr					epiphyte
*musciicola (Schltr.) L.O. Wms.		PROV: ch	000m: 1-2,2-3	RANGE: cr					epiph herb
paranthicus (Rchb. f.) L.O. Wms.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	gua	hon	mex	nic	epiph herb
Epidendrum									
*acunae Dressler		PROV: bo ca	000m: 0-1	RANGE: ang mex	cag sag?	cr sao	fla	gua	epiph herb
allenii L.O. Wms.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: end					epiph herb
*amparoanum Schltr.		PROV: vr	000m: 0-1	RANGE: cr					epiphyte
anceps Jacq.		PROV: bo ca ch pa	000m: 0-1,1-2	RANGE: ang sag?	cag sao	fla	mex	per	epiph herb
*anoglossum Schltr.		PROV: ch	000m: we	RANGE: cr					herb
*barbeyanum Kranzl.		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
*baumannianum Schltr.		PROV: bo cc cn pa	000m: 0-1	RANGE: col					herb
bisulcatum Ames		PROV: ch	000m: 1-2	RANGE: end					epiph herb
carolii Schltr.		PROV: ch	000m: 1-2	RANGE: cr	hon	mex	sal		epiph herb
ciliare L.		PROV: ch vr	000m: 0-1,1-2	RANGE: ang	cag	mex	sag		epiph herb
cocleense Ames, Hubb. & Schweinf.		PROV: cc	000m: 0-1	RANGE: end					epiph herb
*concavilabium C. Schweinf.		PROV: pa	000m: 0-1	RANGE: cr					herb
confertum A. & S.		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
congestum Rolfe		PROV: cc	000m: 0-1	RANGE: cr	hon				herb
coriifolium Lindl.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr ven	ecu	gua	mex	per	epiph herb
*coronatum R. & P.		PROV: ca vr	000m: 0-1	RANGE: col per	cr sao	ecu trt	gua ven	mex	epiph herb
criniferum Rchb. f.		PROV: cc	000m: 0-1	RANGE: cr	nic	per			epiph herb
*cristatum R. & P.		PROV: cc	000m: 0-1	RANGE: gua	hon	nic			herb
cryptanthum L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end					epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
dentiferum A. & S.		PROV: da	000m: 2-3	RANGE: cr					epiph herb
dentilobum Ames, Hubb. & Schweinf.		PROV: ca	000m: 0-1	RANGE: wr					epiph herb
difforme Jacq.		PROV: ca cc ch da pa vr	000m: 0-1,1-2,2-3	RANGE: ang per	cag sag?	fla sao	mex	nwt	epiph herb
--var. firmum (Rchb. f.) Ames, Hubb. & Schweinf.		PROV: ch	000m: 1-2	RANGE: cr gua					epiph herb
--var. simulacrum (Ames) Ames, Hubb. & Schweinf.		PROV: ch	000m: 1-2	RANGE: wr					epiph herb
eburneum Rchb. f.		PROV: bo ca cn	000m: 0-1	RANGE: hon nic					epiph herb
ellipsophyllum L.O. Wms.		PROV: cc	000m: 0-1,1-2	RANGE: end					epiph herb
*exile Ames		PROV: ch	000m: we	RANGE: cr					herb
*flexuosissimum C. Schweinf.		PROV: cc pa	000m: 0-1	RANGE: end					herb
fragrans Sw.		PROV: ca cc	000m: 0-1	RANGE: ang sag?	cr sao	gua	mex	per	epiph herb
fuscopurpureum Schltr.		PROV: wp	000m: we	RANGE: end					epiph herb
*hellerianum A.D. Hawkes		PROV: cn pa	000m: 0-1	RANGE: nic					herb
hunterianum Schltr.		PROV: ca	000m: 0-1	RANGE: cr					epiph herb
imatophyllum Lindl.		PROV: ca da lo pa	000m: 0-1	RANGE: cag sao	col trt	gui	mex	per	herb
incomptum Rchb. f.		PROV: ch	000m: we	RANGE: cr gua mex					epiph herb
isomerum Schltr.		PROV: bo ca	000m: 0-1	RANGE: bel mex	cag nic	cr	gua	hon	epiph herb
*lancilabium Schltr.		PROV: ch	000m: we	RANGE: cr					herb
*latifolium (Lindl.) Garay & Sweet		PROV: cc	000m: 0-1	RANGE: gua hon					herb
*laucheanum Rolfe		PROV: ch	000m: we	RANGE: gua hon nic sal					herb
lividum Lindl.	cult.	PROV: wp	000m: we	RANGE: col cr ven					herb
lockhartioides Schltr.		PROV: ca cc pa	000m: 0-1	RANGE: cr					epiph herb
microdendron Rchb. f.		PROV: ch	000m: 1-2,2-3	RANGE: cr					epiph herb
*microphyllum Lindl.		PROV: da	000m: we	RANGE: wr					herb
*miserrimum Rchb. f.		PROV: cc vr	000m: 0-1	RANGE: nic					herb
nocturnum Jacq.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: afr sag?	ang	cag	fla	mex	epiph herb
obesum Ames		PROV: ch	000m: 1-2	RANGE: cr ecu? nic					epiph herb
*obliquifolium Ames, Hubb. & Schweinf.		PROV: ch	000m: we	RANGE: cr					herb
oerstedii Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr hon nic					epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
oncidoides Lindl.									
--var. ramonense (Rchb. f.) Ames, Hubb. & Schweinf.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	hon				epiph herb
panamense Schltr.		PROV: pa	000m: 0-1	RANGE: wr					epiph herb
paniculatum R. & P.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: cag	mex	sag	sao		herb
parkinsonianum Hook.		PROV: ch	000m: 1-2	RANGE: cr	gua	hon	mex	nic	epiph herb
pendens L.O. Wms.		PROV: cc	000m: 0-1	RANGE: cr					epiph herb
*peperomia Rchb. f.		PROV: ca ch	000m: 0-1,1-2	RANGE: cr	gua	hon	mex	ven	epiph herb
*phyllocharis Rchb. f.		PROV: cc ch	000m: 0-1	RANGE: wr					herb
physodes Rchb. f.		PROV: bo	000m: 0-1	RANGE: cr	gua				herb
platystigma Rchb. f.		PROV: ch	000m: 2-3,3+	RANGE: cr					herb
polyanthum Lindl.		PROV: ch	000m: 1-2	RANGE: cag	cr	gua	hon	nic	epiph herb
--var. myodes (Rchb. f.) Ames, Hubb. & Schweinf.		PROV: ch	000m: 1-2	RANGE: cr	hon				epiph herb
powellii Schltr.		PROV: cc ch	000m: 0-1,1-2	RANGE: wr					epiph herb
probiflorum Schltr.		PROV: ch	000m: we	RANGE: end					epiph herb
pseudepidendrum Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
pudicum Ames		PROV: ch	000m: 1-2	RANGE: nic					epiph herb
radicans Lindl.		PROV: bo ca cc ch pa	000m: 0-1,1-2,2-3	RANGE: cag	col	gui	mex	per	herb
ramosum Jacq.		PROV: cc ch	000m: 0-1,1-2	RANGE: ang	cag	sat			epiph herb
repens Cogn.		PROV: ch	000m: 2-3	RANGE: ang	cag	cr	gua	gua	epiph herb
rigidum Jacq.		PROV: bo ca cn da pa	000m: 0-1	RANGE: ang	hon mex	bel	cag	fla	epiph herb
--var. angustisegmentum L.O. Wms.		PROV: bo	000m: 0-1	RANGE: ang	hon mex	bel	cag	fla	epiph herb
rousseauae Schltr.		PROV: ca ch pa	000m: 0-1	RANGE: end					epiph herb
*rugosum Ames		PROV: ch	000m: we	RANGE: cr					herb
sancoii Ames		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
schlechterianum Ames		PROV: ca vr	000m: 0-1	RANGE: cag	gui	jam	mex	per	herb
sculptum Rchb. f.		PROV: ca cn pa	000m: 0-1	RANGE: cr?	gui	hon?			epiph herb
*selaginella Schltr.		PROV: cc ch vr	000m: 0-1	RANGE: nic					epiph herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*smaragdinum Lindl.		PROV: cn	000m: 0-1	RANGE: wr	herb
stamfordianum Batem.		PROV: ch	000m: 0-1	RANGE: cag col mex ven	epiph herb
stangeanum Rchb. f.		PROV: ca	000m: 0-1	RANGE: cr hon nic	epiph herb
strobiliferum Rchb. f.		PROV: ca pa	000m: 0-1	RANGE: ang cag fla gui mex per sao ven	epiph herb
subnutans A. & S.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
trachythece Schltr.		PROV: ch	000m: 1-2	RANGE: cr gua hon nic sal	epiph herb
triangulabium A. & S.		PROV: cc pa	000m: 0-1	RANGE: cr nic	epiph herb
*vincentinum Lindl.		PROV: da	000m: we	RANGE: wr	herb
volutum Lindl. & Paxt.		PROV: ch	000m: 1-2	RANGE: wr	epiph herb
warszewiczii Rchb. f.		PROV: pa	000m: 0-1	RANGE: cr?	epiph herb
Eriopsis					
*biloba Lindl.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: wr	epiph herb
Erythrodes					
killipii Ames		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	herb
*querceticola Ames		PROV: cn	000m: 0-1	RANGE: wr	terr herb
*vesicifera (Rchb. f.) Ames		PROV: cc	000m: 0-1	RANGE: gua nic	herb
Eulophia					
alta (L.) Fawc. & Rendl.		PROV: ca cc cn pa	000m: 0-1	RANGE: ang bel col fla gua mex per sao ven	herb
*Eurystyles					
*cotyledon Wawra		PROV: ch	000m: we	RANGE: wr	herb
Galeandra					
baueri Lindl.		PROV: bo	000m: we	RANGE: bel cag gua gui hon mex	epiph herb
*beyrichii Rchb. f.		PROV: cc	000m: 0-1	RANGE: wr	herb
*stylomisantha (Vell.) Hoehne		PROV: pa	000m: 0-1	RANGE: gui sao ven	herb
Gongora					
armeniaca (Lindl.) Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr nic	epiph herb
*atropurpurea Hook.		PROV: da	000m: we	RANGE: wr	wh
*charontis Rchb. f.		PROV: da	000m: we	RANGE: wr	wh
*claviodora Dressler		PROV: wp	000m: we	RANGE: cr nic	epiph
fulva Lindl.		PROV: ca cc cn pa	000m: 0-1	RANGE: col per	herb
*gibba Dressler		PROV: cc cn sa	000m: 0-1	RANGE: end	epiph

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*horichiana Fowlie		PROV: vr	000m: 0-1	RANGE: cr	herb
quinquenervis R. & P.		PROV: bo ca cc cn pa	000m: 0-1	RANGE: bel cag? ecu mex per sag? sao	epiph herb
Govenia					
ciliabia A. & S.		PROV: ch	000m: 1-2	RANGE: cr sal	herb
liliacea Lindl.		PROV: ch	000m: 1-2,2-3	RANGE: ang bol cag cr gua hon mex sal sao sao ven	herb
Habenaria					
alata Hook.		PROV: ca ch	000m: 0-1	RANGE: wdw	herb
avicula Schltr.		PROV: ca pa	000m: 0-1	RANGE: end	herb
bicornis Lindl.		PROV: ca pa	000m: 0-1	RANGE: ang	herb
*clypeata Lindl.		PROV: ch	000m: 2-3	RANGE: gua hon nic	herb
*entomantha (Llave & Lex.) Lindl.		PROV: ch	000m: 0-1	RANGE: bel gua hon nic sal	herb
*leprieuri Rchb. f.		PROV: pa vr	000m: 0-1	RANGE: col gui sao ven	herb
*mesodactyla Griseb.		PROV: pa	000m: 0-1	RANGE: bel	herb
monorrhiza (Sw.) Rchb. f.		PROV: cc ch	000m: 0-1,1-2	RANGE: ang cag gua sag	herb
petalodes Lindl.		PROV: ca cc pa	000m: 0-1	RANGE: col cr sao	herb
repens Nutt.		PROV: ca	000m: 0-1	RANGE: ang bel cr gua hon nag nic sag	herb
*trifida H.B.K.		PROV: ch pa	000m: 0-1	RANGE: cag mex sag sao	herb
*Helleriella					
*nicaraguensis Hawkes		PROV: ch	000m: we	RANGE: gua hon nic nic sal	herb
Hexisea					
*arctata Dressler		PROV: ch vr	000m: 0-1	RANGE: wr	herb
bidentata Lindl.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: bel col cr gui hon mex nic	epiph herb
imbricata (Lindl.) Rchb. f.		PROV: ca	000m: 0-1	RANGE: col cr gua hon mex nic per ven	epiph herb
*sigmoidea A. & S.		PROV: ch	000m: we	RANGE: cr	herb
*Homalopetalum					
*pumilio (Rchb. f.) Schltr.		PROV: ch	000m: we	RANGE: gua hon nic sal	herb
*Horichia					
*dressleri Jenny		PROV: bo cc	000m: 0-1	RANGE: wr	wh
*Houlletia					
*odoratissima Lindl. & Paxt.		PROV: pa	000m: 0-1	RANGE: wr	herb
*tigrina Lindl. & Paxt.		PROV: cc da pa	000m: 0-1	RANGE: nic	herb
Huntleya					
burtii Endres & Rchb. f.		PROV: cc da pa	000m: 0-1	RANGE: col cr sao	epiph herb
*fasciata Fowlie		PROV: cc	000m: 0-1	RANGE: bel	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
<i>*Hybochilus</i>									
<i>*inconspicuus</i> (Kranzl.) Schltr.		PROV: ch	000m: we	RANGE: wr					herb
<i>*leochilinus</i> (Rchb. f.) Mansf.		PROV: ch	000m: we	RANGE: wr					herb
<i>Ionopsis</i>									
<i>*satyrioides</i> (Sw.) Rchb. f.		PROV: ca ch cn	000m: 0-1	RANGE: ang	bel	cr	gua	hon	herb
<i>utricularioides</i> (Sw.) Lindl.		PROV: ca da pa	000m: 0-1	sat ven RANGE: ang sao	cag	fla	mex	sag?	epiph herb
<i>Isochilus</i>									
<i>major</i> Cham. & Schlecht.		PROV: ch	000m: 1-2	RANGE: cr nic	gua	hon	jam	mex	epiph herb
<i>*Jacquiniella</i>									
<i>*aporophylla</i> (L.O. Wms.) Dressler		PROV: vr	000m: 0-1	RANGE: wr					herb
<i>*equitantifolia</i> (Ames) Dressler		PROV: ca ch	000m: 0-1,1-2	RANGE: bel	hon	mex			epiph herb
<i>*globosa</i> (Jacq.) Schltr.		PROV: cc ch cn pa	000m: 0-1	RANGE: gua	hon	nic			herb
<i>*pedunculata</i> Dressler		PROV: cn	000m: 0-1	RANGE: wr					epiph herb
<i>*standleyi</i> (Ames) Dressler		PROV: ch	000m: we	RANGE: wr					herb
<i>*teretifolia</i> (Sw.) Britt. & Wils.		PROV: ch vr	000m: 0-1,1-2	RANGE: ang ven	gua	hon	mex	nic	epiph herb
<i>Kefersteinia</i>									
<i>*auriculata</i> Dressler		PROV: cc	000m: 0-1	RANGE: wr					epiphyte
<i>costaricensis</i> Schltr.		PROV: cn	000m: 0-1	RANGE: cr	nic				epiph herb
<i>*deflexipetala</i> Fowlie		PROV: ch	000m: we	RANGE: wr					herb
<i>lactea</i> (Rchb. f.) B.D. Jacks.		PROV: ch	000m: we	RANGE: cr					epiph herb
<i>*maculosa</i> Dressler		PROV: wp	000m: we	RANGE: wr					wh
<i>*mystacina</i> (Rchb. f.) Rchb. f.		PROV: da	000m: we	RANGE: wr					herb
<i>*parvilabris</i> Schltr.		PROV: cc ch	000m: 0-1	RANGE: wr					herb
<i>Kegellella</i>									
<i>houtteana</i> (Rchb. f.) L.O. Wms.		PROV: cc	000m: 0-1	RANGE: gui	jam	trt			epiph herb
<i>kupperi</i> Mansf.		PROV: cn	000m: 0-1	RANGE: cr					epiph herb
<i>Koellensteinia</i>									
<i>kelineriana</i> Rchb. f.		PROV: cc pa	000m: 0-1	RANGE: col	gui	sao	ven		herb
<i>*Lacaena</i>									
<i>*specatabilis</i> (Kl.) Rchb. f.		PROV: ch	000m: we	RANGE: wr					wh

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
Laelia									
rubescens Lindl.		PROV: ch	000m: we	RANGE: cag nic	cr	gua	hon	mex	epiph herb
Leochilus									
labiatus (Sw.) Kuntze		PROV: cc	000m: 0-1	RANGE: ang	hon	nic	sal	trt	epiph herb
scriptus (Scheidw.) Rchb. f.		PROV: ca pa vr	000m: 0-1	RANGE: cr	gua	hon	nic	sal	epiph herb
Lepanthes									
*brunnescens Luer		PROV: pa	000m: 0-1	RANGE: wr					wh
*caloptera Luer		PROV: pa	000m: 0-1	RANGE: wr					wh
chiriquensis Schltr.		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
*coeloglossa Luer		PROV: ch	000m: we	RANGE: wr					wh
*demissa Luer		PROV: ch	000m: we	RANGE: wr					wh
eciliata Schltr.		PROV: ch	000m: 1-2	RANGE: end					epiph herb
elata Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
*empis Luer		PROV: ch	000m: we	RANGE: wr					wh
eximia Ames		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
*floripecten (Rchb. f.) Ames		PROV: wp	000m: we	RANGE: wr					herb
*horrida Rchb. f.		PROV: bo	000m: 0-1	RANGE: wr					epiphyte
*infundibulum Luer		PROV: ch	000m: we	RANGE: wr					wh
insectiflora C. Schweinf.		PROV: ch	000m: 1-2	RANGE: end					epiph herb
*lindleyana Oerst. & Rchb. f.		PROV: wp	000m: we	RANGE: cr					herb
*maduroi Luer		PROV: ch	000m: we	RANGE: wr					wh
*mariposa Luer		PROV: ch	000m: we	RANGE: wr					herb
maxonii Schltr.		PROV: ch	000m: 2-3	RANGE: end					epiph herb
*pachyglossa Luer		PROV: pa	000m: 0-1	RANGE: wr					wh
*prora Luer		PROV: pa	000m: 0-1	RANGE: wr					herb
*psyche Luer		PROV: ch	000m: we	RANGE: wr					wh
rotundifolia L.O. Wms.		PROV: cc	000m: 0-1	RANGE: cr	nic				epiph herb
*schizocardia Luer		PROV: pa	000m: 0-1	RANGE: wr					wh
*setos Luer		PROV: ch	000m: we	RANGE: wr					wh
*trichidion Luer		PROV: ch	000m: we	RANGE: wr					wh
turalvae Rchb. f.		PROV: cc ch	000m: 0-1, 1-2	RANGE: cag	mex				epiph herb
Leucochyle									
warczewiczii Kl.		PROV: wp	000m: we	RANGE: wr					epiphyte

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*Ligeophila					
*clavigera (Rchb. f.) Garay		PROV: pa	000m: 0-1	RANGE: wr	herb
*Liparis					
fratrum Schltr.		PROV: wp	000m: we	RANGE: cr	herb
*nervosa (Thunb.) Lindl.		PROV: ca pa	000m: 0-1	RANGE: ang gua hon mex col cr per fla sao	herb
Lockhartia					
acuta (Lindl.) Rchb. f.		PROV: ca ch cn pa	000m: 0-1	RANGE: col trt ven	epiph herb
amoena Endres & Rchb. f.					
--var. amoena		PROV: cc ch	000m: 0-1,1-2	RANGE: cr gua nic	epiph herb
--var. triangulabia C. Schweinf. & P.H. Allen		PROV: ch	000m: 1-2	RANGE: end	epiph herb
*hercodonta Kranzl.		PROV: cc pa	000m: 0-1	RANGE: cr gua hon nic	herb
micrantha Rchb. f.		PROV: ca cc ch pa vr	000m: 0-1,1-2	RANGE: cag? gui nic sag?	epiph herb
obtusata L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
oerstedi Rchb. f.		PROV: ch lo	000m: 0-1,1-2,2-3	RANGE: bel cag cr gua hon mex nic	epiph herb
pittieri Schltr.		PROV: ca da	000m: 0-1	RANGE: bel cr	epiph herb
Lycaste					
brevispatha Lindl.		PROV: ch	000m: 1-2	RANGE: cr gua	epiph herb
campbellii C. Schweinf.		PROV: pa	000m: 0-1	RANGE: end	epiph herb
*leucantha (Kl.) Lindl.		PROV: ch	000m: we	RANGE: wr	herb
macrophylla Lindl.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: bol col cr nic per ven	epiph herb
powellii Schltr.		PROV: ca cc pa	000m: 0-1	RANGE: end	herb
*schilleriana Rchb. f.		PROV: ch	000m: we	RANGE: wr	herb
tricolor (Kl.) Rchb. f.		PROV: cc vr	000m: 0-1	RANGE: bel cr gua	epiph herb
*xytriophora Linden & Rchb. f.		PROV: da	000m: we	RANGE: wr	herb
Macradenia					
brassavolae Rchb. f.		PROV: ca pa	000m: 0-1	RANGE: col gua nic	epiph herb
Malaxis					
blephariglottis (Schltr.) Ames		PROV: ch	000m: 1-2	RANGE: cr	herb
excavata (Lindl.) Kuntze		PROV: ch	000m: 1-2,2-3,3+	RANGE: bol col cr ecu gua hon mex per sao	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
fastigiata (Rchb. f.) Kuntze		PROV: ch pa	000m: 0-1,1-2	RANGE: cr gua hon mex nic	herb
*hisionantha (Link, Kl. & Otto) Garay & Dunsterv.		PROV: bo ca ch	000m: 0-1,1-2	RANGE: cr gua hon mex per?	herb
majanthemifolia Cham. & Schlecht.		PROV: ch	000m: 1-2,2-3,3+	RANGE: gua hon mex nic sal	herb
pittieri (Schltr.) Ames		PROV: ch	000m: 2-3	RANGE: end	herb
simillima (Rchb. f.) Kuntze		PROV: ch	000m: 1-2	RANGE: cr	herb
soulei L.O. Wms.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr gua hon mex nao	herb
tipuloides (Lindl.) Kuntze		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: col cr nic	epiph herb
wendlandii (Rchb. f.) L.O. Wms.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
woodsonii L.O. Wms.		PROV: ch	000m: 1-2	RANGE: end	herb
Masdevallia					
attenuata Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
chontalensis Rchb. f.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cr gua hon nic	epiph herb
collina L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
ecaudata Schltr.		PROV: ch	000m: 1-2	RANGE: cr nic	epiph herb
*erinacea Rchb. f.		PROV: ch cn pa vr	000m: 0-1	RANGE: wr	herb
*lata Rchb. f.		PROV: ch	000m: we	RANGE: wr	wh
livingstoneana Rchb. f.		PROV: ca cn pa	000m: 0-1	RANGE: cr?	epiph herb
*molossoides Kranzl.		PROV: ch	000m: we	RANGE: cr	herb
*nidifica Rchb. f.		PROV: ch	000m: we	RANGE: nic	herb
*pelecaniceps Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
*picturata Rchb. f.		PROV: ch	000m: we	RANGE: wr	herb
*pleurothalloides Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
*scabrilinguis Luer		PROV: ch	000m: we	RANGE: wr	herb
*schizopetala Kranzl.		PROV: bo	000m: we	RANGE: col	herb
*tonduzii Woolw.		PROV: bo	000m: we	RANGE: cr	herb
*utriculata Luer		PROV: ch	000m: we	RANGE: wr	herb
*zahlbruckneri Kranzl.		PROV: pa	000m: 0-1	RANGE: cr	herb
Maxillaria					
*adendrobium (Rchb. f.) Dressler		PROV: pa	000m: 0-1	RANGE: wr	herb
alba (Hook.) Lindl.		PROV: ca ch cn da pa	000m: 0-1,1-2	RANGE: cr cub gua gui hon	epiph herb
allenii L.O. Wms.		PROV: cc pa	000m: 0-1,1-2	RANGE: wr jam nic sao trt	epiph herb
angustisegmenta A. & S.		PROV: ch	000m: 1-2	RANGE: cr nic	epiph herb
angustissima Ames, Hubb. & Schweinf.		PROV: cn	000m: 0-1	RANGE: cr nic	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
arachnitiflora A. & S.		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
biolleyi (Schltr.) L.O. Wms.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
brachybulbon Schltr.		PROV: pa	000m: 0-1	RANGE: cr hon	epiph herb
*bracteata (Schltr.) Ames & Corr.		PROV: bo	000m: we	RANGE: wr	wh
bradeorum (Schltr.) L.O. Wms.		PROV: cc ch	000m: 0-1,1-2	RANGE: col cr	epiph herb
brevipes Schltr.		PROV: cc	000m: 0-1,1-2	RANGE: cr	epiph herb
*brunnea Linden & Rchb. f.		PROV: cc ch da pa	000m: 0-1,1-2	RANGE: bel cr gua hon mex nic per sag?	epiph herb
camaridii Rchb. f.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: cr gua gui trt	epiph herb
chartacifolia A. & S.		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
conduplicata (A. & S.) L.O. Wms.		PROV: ch	000m: 1-2	RANGE: wr	epiph herb
confusa A. & S.		PROV: cc vr	000m: 0-1	RANGE: cr hon nic	epiph herb
crassifolia (Lindl.) Rchb. f.		PROV: bo ca ch da pa	000m: 0-1,1-2	RANGE: bel cag col cr cub fla gua his hon jam mex nic sal sao ven	epiph herb
ctenostachya Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
cucullata Lindl.		PROV: ch	000m: 1-2	RANGE: cag cr gua mex nic	epiph herb
dendrobioides (Schltr.) L.O. Wms.		PROV: bo ch	000m: 0-1,1-2	RANGE: cr	epiph herb
diuturna A. & S.		PROV: cc cn pa	000m: 0-1	RANGE: cr nic	epiph herb
exaltata (Kranzl.) C. Schweinf.		PROV: cc	000m: 0-1,1-2	RANGE: col? ecu? per	epiph herb
*falcata Ames & Corr.		PROV: ch	000m: we	RANGE: cr	herb
*flava Ames, Hubb. & Schweinf.		PROV: ch	000m: we	RANGE: wr	herb
*foliosa A. & S.		PROV: pa	000m: 0-1	RANGE: cr nic	epiphyte
friedrichsthali Rchb. f.		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: bel cr gua hon mex nic sag?	epiph herb
fulgens (Rchb. f.) L.O. Wms.		PROV: bo cc ch da pa sa vr	000m: 0-1,1-2,3+	RANGE: nic	herb
*hedwigae Hamer & Dodson		PROV: bo	000m: we	RANGE: wr	wh
*horichii Senghas		PROV: ch	000m: we	RANGE: cr	herb
inaudita Rchb. f.		PROV: vr	000m: 0-1	RANGE: cr	epiph herb
*insolita Dressler		PROV: pa	000m: 0-1	RANGE: wr	epiph herb
*linearifolia A. & S.		PROV: ch	000m: we	RANGE: cr	herb
longipetiolata A. & S.		PROV: pa	000m: 0-1	RANGE: wr	epiph herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*lueri Dodson		PROV: cn	000m: 0-1	RANGE: wr	wh
luteo-alba Lindl.		PROV: cc pa	000m: 0-1	RANGE: col cr ecu	epiph herb
maleolens Schltr.		PROV: ca cc	000m: 0-1	RANGE: cr hon nic	epiph herb
minor (Schltr.) L.O. Wms.		PROV: cc	000m: 0-1,1-2	RANGE: cr	epiph herb
*nasuta Rchb. f.		PROV: ch da	000m: 1-2	RANGE: hon nic	epiph herb
neglecta (Schltr.) L.O. Wms.		PROV: ca cc ch cn lo	000m: 0-1,1-2,2-3	RANGE: bel cag cr gua hon	epiph herb
oreocharis Schltr.		PROV: ch	000m: 1-2	RANGE: cr nic	epiph herb
parvilabia A. & S.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
pittieri (Ames) L.O. Wms.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
planicola C. Schweinf.		PROV: ca cn pa	000m: 0-1	RANGE: wr	epiph herb
powellii Schltr.		PROV: ca cc pa	000m: 0-1,1-2	RANGE: end	epiph herb
*reichenheimiana Rchb. f.		PROV: ch	000m: we	RANGE: cr ecu nic	herb
repens L.O. Wms.		PROV: cc	000m: 0-1,1-2	RANGE: end	epiph herb
rufescens Lindl.		PROV: cc	000m: 0-1	RANGE: cag cr cub gua gui his hon jam nic per sao	epiph herb
*sanguinea Rolfe		PROV: bo	000m: we	RANGE: cr	herb
*speciosa Rchb. f.		PROV: cc vr	000m: 0-1	RANGE: wr	herb
*splendens P. & E.		PROV: pa	000m: 0-1	RANGE: wr	herb
*tonduzii (Schltr.) Ames & Corr.		PROV: cc ch	000m: 0-1,2-3	RANGE: cr	herb
umbratilis L.O. Wms.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
uncata Lindl.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: bel cag cr gua gui hon nic per sao	epiph herb
vagans A. & S.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr hon	epiph herb
Valenzuelana (A. Rich.) Nash		PROV: ch	000m: 1-2	RANGE: ang cag col cr cub hon nic sao sat ven	epiph herb
variabilis Lindl.		PROV: ca cc ch cn pa	000m: 0-1,1-2	RANGE: bel cag cr gua gui hon mex nic sal ven	epiph herb
wercklei (Schltr.) L.O. Wms.		PROV: cc	000m: 0-1	RANGE: col cr	epiph herb
*wrightii (Schltr.) Ames & Corr.		PROV: cc	000m: 0-1	RANGE: cr nic	herb
*Mendoncella					
*grandiflora (A. Rich.) A.D. Hawkes		PROV: ch da	000m: 0-1,2-3	RANGE: cr gua mex nic	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>Mesospinidium</i>					
* <i>endresii</i> (Kranzl.) Garay		PROV: ch pa	000m: 0-1	RANGE: wr	wh
* <i>panamense</i> Garay		PROV: cc pa	000m: 0-1	RANGE: cr	epiph herb
* <i>Miltoniopsis</i>					
* <i>roezlii</i> (Rchb. f.) Godefr.-Leb.		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: cr per	epiph herb
* <i>warscewiczii</i> (Rchb. f.) Garay & Dunsterv.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
* <i>Monophyllorchis</i>					
* <i>maculata</i> Garay		PROV: ca cc cn vr	000m: 0-1	RANGE: wr	herb
<i>Mormodes</i>					
* <i>atropurpureum</i> Lindl.		PROV: ch	000m: 0-1	RANGE: cr	epiph herb
* <i>cartonii</i> Hook.		PROV: pa	000m: 0-1	RANGE: wr	epiph herb
* <i>colossus</i> Rchb. f.		PROV: ca cc	000m: 0-1	RANGE: cr	epiph herb
* <i>hookeri</i> Lem.		PROV: wp	000m: we	RANGE: cr	epiph herb
* <i>igneum</i> Lindl. & Paxt.		PROV: ca cc ch pa vr	000m: 0-1	RANGE: col cr hon	epiph herb
* <i>lancilabris</i> Pabst		PROV: cc	000m: 0-1	RANGE: end	herb
* <i>powellii</i> Schltr.		PROV: ca cc cn	000m: 0-1	RANGE: end	epiph herb
* <i>Myoxanthus</i>					
* <i>affinis</i> (Lindl.) Luer		PROV: wp	000m: we	RANGE: wr	wh
* <i>hirsuticaulis</i> (A. & S.) Luer		PROV: vr	000m: 0-1	RANGE: wr	herb
* <i>octomeriae</i> (Schltr.) Luer		PROV: cc ch	000m: 0-1	RANGE: cr hon?	epiph herb
* <i>parahybunensis</i> (Barb. Rodr.) Luer		PROV: ch	000m: we	RANGE: wr	herb
* <i>scandens</i> (Ames) Luer		PROV: cn pa	000m: 0-1	RANGE: wr	herb
* <i>speciosus</i> (Luer) Luer		PROV: ch	000m: we	RANGE: end	herb
* <i>trachychlamys</i> (Schltr.) Luer		PROV: ca da pa	000m: 0-1	RANGE: cr per? ven	epiph herb
<i>Neomoorea</i>					
* <i>irrorata</i> Rolfe		PROV: ca	000m: 0-1	RANGE: col	epiph herb
* <i>Neowilliamsia</i>					
* <i>alfaroi</i> (A. & S.) Dressler		PROV: ch	000m: we	RANGE: cr	herb
* <i>cuneata</i> Dressler		PROV: vr	000m: 0-1	RANGE: wr	wh

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*tenuisulcata Dressler		PROV: cc	000m: 0-1	RANGE: end	herb
*wercklei (Schltr.) Dressler		PROV: ch	000m: we	RANGE: cr	herb
*Nidema					
boothii (Lindl.) Schltr.		PROV: bo	000m: 0-1	RANGE: ang cag cag mex sag?	epiph herb
ottonis (Rchb. f.) Britt. & Millsp.		PROV: bo pa	000m: 0-1	RANGE: ang col hon nic per ven	epiph herb
Notylia					
*albida Kl.		PROV: ca cn da	000m: 0-1	RANGE: col	epiph herb
barkeri Lindl.		PROV: ca ch vr	000m: 0-1,1-2	RANGE: cag mex	epiph herb
cordesii L.O. Wms.		PROV: bo	000m: 0-1	RANGE: cr	epiph herb
*juncta Dressler		PROV: pa	000m: 0-1	RANGE: wr	herb
*lankesteri Ames		PROV: wp	000m: we	RANGE: cr	herb
latilabia A. & S.		PROV: ca	000m: 0-1	RANGE: end	epiph herb
*linearis A. & S.		PROV: cc da pa	000m: 0-1,1-2	RANGE: cr	herb
pentachne Rchb. f.		PROV: ca da vr	000m: 0-1	RANGE: hon nic	epiph herb
*ramonensis Schltr.		PROV: ch	000m: we	RANGE: cr	herb
*simplex Dressler		PROV: pa	000m: 0-1	RANGE: wr	herb
*Octomeria					
*valerioi A. & S.		PROV: ch	000m: we	RANGE: nic	herb
Odontoglossum					
*bicktoniense (Batem.) Lindl.		PROV: ch	000m: we	RANGE: gua hon sal	herb
*krameri Rchb. f.		PROV: ch pa	000m: 0-1	RANGE: nic	herb
*--var. album (Halb.) Halb.		PROV: bo	000m: we	RANGE: wr	epiphyte
*maculata (Lindl.) Lindl.		PROV: ca	000m: 0-1	RANGE: gua	herb
oerstedii Rchb. f.		PROV: ch	000m: 2-3,3+	RANGE: cr nic	epiph herb
*Oerstedella					
*caligaria (Rchb. f.) Hags.		PROV: vr	000m: 0-1	RANGE: end	epiph herb
centradenia Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
centropetala (Rchb. f.) Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr gua hon	epiph herb
*crescentiloba (Ames) Hags.		PROV: ch	000m: 2-3	RANGE: wr	terr herb
*endresii (Rchb. f.) Hags.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*exasperata (Rchb. f.) Hags.		PROV: cc ch	000m: 0-1,2-3	RANGE: cr	epiph herb
*fuscina Dressler		PROV: cc	000m: 0-1	RANGE: wr	epiphyte
*intermixta (A. & S.) Hags.		PROV: ch vr	000m: 0-1	RANGE: wr	herb
*lactea (Dressler) Hags.		PROV: vr	000m: 0-1	RANGE: wr	herb
*ornata Dressler		PROV: ch	000m: 2-3	RANGE: wr	epiphyte
*pajitense (C. Schweinf.) Hags.		PROV: cc	000m: 0-1	RANGE: wr	herb
*pansamatae (Schltr.) Hags.		PROV: cc	000m: 0-1	RANGE: wr	herb
*pinnifera (C. Schweinf.) Hags.		PROV: ch	000m: we	RANGE: wr	herb
*pseudo-wallisii (Schltr.) Hags.		PROV: pa	000m: 0-1	RANGE: wr	epiphyte
*pumila (Rolfe) Hags.		PROV: ch	000m: we	RANGE: wr	herb
*schumanniana (Schltr.) Hagsater		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
*tetraceros (Rchb. f.) Hags.		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
*wallisii (Rchb. f.) Hags.		PROV: cc pa	000m: 0-1	RANGE: wr	herb
Oncidium					
*abortivum Rchb. f.		PROV: ch	000m: 1-2	RANGE: wr	epiphyte
ampliatum Lindl.		PROV: ca cc pa vr	000m: 0-1	RANGE: gua hon nic per trt ven	epiph herb
ansiferum Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr gua	epiph herb
baueri Lindl.		PROV: ch pa	000m: 0-1	RANGE: cag? lag? mex per sag? sao	epiph herb
bracteatum Warsc. & Rchb. f.		PROV: wp	000m: we	RANGE: cr	epiph herb
cabagrae Schltr.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	epiph herb
cariniferum (Rchb. f.) Beer		PROV: ch	000m: 1-2,2-3	RANGE: cr ven	epiph herb
carthaginense (Jacq.) Sw.		PROV: ca ch da pa	000m: 0-1	RANGE: ang cag fla mex sao ven	epiph herb
cheiroporum Rchb. f.		PROV: cc ch	000m: 0-1,1-2	RANGE: col cr nic sal	epiph herb
crista-galli Rchb. f.		PROV: cc	000m: 0-1	RANGE: cag col mex per	epiph herb
ensatum Lindl.		PROV: pa	000m: 0-1	RANGE: bel cag?	herb
*exalatum Hags.		PROV: vr	000m: 0-1	RANGE: end	epiphyte
*fuscatum Rchb. f.		PROV: pa	000m: 0-1	RANGE: wr	herb
globuliferum H.B.K.		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: cr per ven	epiph herb
heteranthum P. & E.		PROV: ch	000m: 1-2	RANGE: bol col cr per	epiph herb
isthmi Schltr.		PROV: ca da pa	000m: 0-1	RANGE: cr	epiph herb
klotzschianum Rchb. f.		PROV: wp	000m: we	RANGE: gua mex	epiph herb
*luteum Rolfe		PROV: ch vr	000m: 0-1,1-2	RANGE: wr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
*nudum Batem.		PROV: da pa	000m: 0-1,1-2	RANGE: wr					epiph herb
obryzatum Rchb. f.		PROV: cc ch	000m: 0-1,1-2	RANGE: col cr ecu gua per sal					epiph herb
ochmatochilum Rchb. f.		PROV: cc ch	000m: 0-1,1-2	RANGE: col cr gua nic per					epiph herb
*ornithorhynchum H.B.K. panamense Schltr.		PROV: ch PROV: ca pa	000m: 1-2 000m: 0-1	RANGE: gua nic sal RANGE: nic					epiphyte epiph herb
panduriforme A. & S.		PROV: ch	000m: 1-2	RANGE: cr					epiph herb
parviflorum L.O. Wms.		PROV: cc pa	000m: 0-1	RANGE: wr					epiph herb
powellii Schltr.		PROV: ca cc	000m: 0-1	RANGE: nic					epiph herb
*schroederianum Garay & Stacey stenotis Rchb. f.		PROV: ch PROV: bo ch	000m: we 000m: 0-1	RANGE: wr RANGE: cr hon nic					herb epiph herb
stipitatum Lindl.		PROV: ca ch cn pa	000m: 0-1	RANGE: bel hon nic					epiph herb
teres A. & S.		PROV: ch vr	000m: 0-1	RANGE: hon nic					epiph herb
warscewiczii Rchb. f.		PROV: ch	000m: 2-3	RANGE: cr					epiph herb
*Ophidion									
*pleurothallopsis (Kranzl.) Luer		PROV: da	000m: we	RANGE: wr					herb
Ornithocephalus									
bicornis Lindl.		PROV: ca da pa vr	000m: 0-1	RANGE: cag col cr ecu gua hon mex nic ven					epiph herb
cochleariformis C. Schweinf.		PROV: cc	000m: 0-1	RANGE: end					epiph herb
*gladiatus Hook.		PROV: ch	000m: 1-2	RANGE: bel cr gua hon mex nic					epiph herb
powellii Schltr.		PROV: ca pa	000m: 0-1	RANGE: end					epiph herb
Osmoglossum									
egertonii (Lindl.) Schltr.		PROV: ch	000m: 1-2	RANGE: cr gua hon mex nic					epiph herb
*Otoglossum									
*chiriquense (Rchb. f.) Garay & Dunsterv.		PROV: bo ch pa vr	000m: 0-1,1-2,2-3	RANGE: col cr per					epiph herb
*Pachyphyllum									
*hispidulum (Rchb. f.) Garay & Dunsterv.		PROV: ch	000m: we	RANGE: wr					herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>Palmorchis</i>					
*nitida Dressler		PROV: cn	000m: 0-1	RANGE: end	epiph herb
powellii (Ames) Schweinf. & Corr.		PROV: ca cn pa	000m: 0-1	RANGE: end	herb
*silvicola L.O. Wms.		PROV: ch vr	000m: 0-1	RANGE: nic	herb
trilobulata L.O. Wms.		PROV: cc da pa	000m: 0-1	RANGE: end	herb
<i>*Paphinia</i>					
*clausula Dressler		PROV: bo	000m: we	RANGE: wr	herb
*cristata Lindl.		PROV: cc	000m: 0-1	RANGE: wr	herb
<i>Pelexia</i>					
funckiana (A. Rich. & Gal.) Schltr.		PROV: cc	000m: 0-1,1-2	RANGE: bel cag gua hon mex nic sag?	herb
<i>Peristeria</i>					
elata Hook.		PROV: cc cn pa	000m: 0-1	RANGE: col cr sal ven	herb
*pendula Hook.		PROV: da	000m: we	RANGE: wr	herb
<i>Pescatorea</i>					
cerina (Lindl.) Rchb. f.		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: cr	epiph herb
*dayana Rchb. f.		PROV: da	000m: we	RANGE: wr	herb
<i>*Phloephila</i>					
*peperomioides (Ames) Garay		PROV: pa	000m: 0-1	RANGE: wr	epiphyte
<i>Phragmipedium</i>					
*dariense (Rchb. f.) Garay		PROV: wp	000m: we	RANGE: wr	herb
hincksianum (Rchb. f.) Garay		PROV: wp	000m: we	RANGE: cr	herb
longifolium (Warsc. & Rchb. f.) Rolfe		PROV: cc ch pa	000m: 0-1,1-2	RANGE: col cr	herb
*roezlii (Rchb. f.) Garay		PROV: wp	000m: we	RANGE: col cr	herb
*warscewiczianum (Rchb. f.) Garay		PROV: ch	000m: 1-2	RANGE: gua hon	herb
<i>*Phymatidium</i>					
*panamense Dressler		PROV: pa	000m: 0-1	RANGE: wr	herb
<i>Platyglottis</i>					
coriacea L.O. Wms.		PROV: cc pa vr	000m: 0-1,1-2	RANGE: end	epiph herb
<i>Platystele</i>					
*calymma Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
*caudatisepala (C. Schweinf.) Garay		PROV: pa	000m: 0-1	RANGE: wr	herb
*compacta (Ames) Ames		PROV: ch	000m: we	RANGE: bel gua hon nic	herb
*dressleri Luer		PROV: cn pa	000m: 0-1	RANGE: wr	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*jungermanniioides (Schltr.) Garay		PROV: cn	000m: 0-1	RANGE: gua	herb
*lancilabris (Rchb. f.) Schltr.		PROV: cc	000m: 0-1	RANGE: gua hon	herb
*minimiflora (Schltr.) Garay		PROV: cn pa	000m: 0-1	RANGE: wr	herb
*perpusilla (Rchb. f.) Garay		PROV: wp	000m: we	RANGE: wr	herb
*stenostachya (Rchb. f.) Garay		PROV: ch lo	000m: 0-1,1-2	RANGE: bel cag cr gua hon mex nic	epiph herb
*taylori Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
*Platythelys					
*maculata (Hook.) Garay		PROV: cc vr	000m: 0-1	RANGE: wr	herb
*venustula (Ames) Garay		PROV: ch	000m: we	RANGE: gua hon nic	herb
*Plectrophora					
*alata (Rolfe) Garay		PROV: ch	000m: we	RANGE: gua	herb
Pleurothallis					
*aberrans Luer		PROV: vr	000m: 0-1	RANGE: end	herb
*abjecta Ames		PROV: pa	000m: 0-1	RANGE: gua hon nic	herb
*acostaei Schltr.		PROV: wp	000m: we	RANGE: cr	herb
acrisepala A. & S.		PROV: bo ca da pa	000m: 0-1	RANGE: end	epiph herb
alexandrae Schltr.		PROV: cc	000m: 1-2	RANGE: cr	epiph herb
allenii L.O. Wms.		PROV: cc lo	000m: 0-1	RANGE: hon nic	epiph herb
alpina Ames		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	epiph herb
*amparoana Schltr.		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiphyte
*amygdalodora Kranzl.		PROV: pa	000m: 0-1	RANGE: per	herb
*annectans Luer		PROV: ch	000m: we	RANGE: end	herb
antonensis L.O. Wms.		PROV: cc da pa	000m: 0-1,1-2	RANGE: end	epiph herb
*archicolonae Luer		PROV: cn pa	000m: 0-1	RANGE: end	herb
*areldii Luer		PROV: ch	000m: we	RANGE: end	herb
arietina Ames		PROV: bo cc ch	000m: 0-1,1-2	RANGE: cr gua	epiph herb
aristata Hook.		PROV: ch	000m: 1-2	RANGE: ang cr	epiph herb
barboselloides Schltr.		PROV: bo ca da pa	000m: 0-1	RANGE: end	epiph herb
*barbulata Lindl.		PROV: cn pa	000m: 0-1	RANGE: nic	herb
blaisdellii S. Wats.		PROV: ch	000m: 1-2	RANGE: bel cr hon mex nic sal	epiph herb
brighamii S. Wats.		PROV: bo ca cn da pa	000m: 0-1	RANGE: cag gua	epiph herb
*butcheri L.O. Wms.		PROV: ch	000m: we	RANGE: wr	herb
*cactantha Luer		PROV: pa	000m: 0-1	RANGE: end	herb
calyptrostele Schltr.		PROV: cc pa	000m: 0-1	RANGE: cr	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
50 (33) ORCHIDACEAE cont.									
*campicola Luer		PROV: ch	000m: we	RANGE: end					herb
cardiochila L.O. Wms.		PROV: ch da	000m: 0-1,1-2	RANGE: gua	hon	nic	sal		epiph herb
*cardiothallis Rchb. f.		PROV: ch vr	000m: 0-1	RANGE: gua	hon	nic	sal		herb
*carinilabia Luer		PROV: da	000m: we	RANGE: end					epiph herb
*carnosilabia Heller & Hawkes		PROV: vr	000m: 0-1	RANGE: nic					herb
*carpinterae Schltr.		PROV: ch vr	000m: 0-1	RANGE: cr					herb
*cedralensis Ames		PROV: cc ch	000m: 0-1	RANGE: cr					herb
*ciliaris (Lindl.) L.O. Wms.		PROV: wp	000m: we	RANGE: gua	hon	nic			herb
*citrophila Luer		PROV: cc	000m: 0-1	RANGE: end					herb
cobraeformis L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end					epiph herb
cogniauxiana Schltr.		PROV: ch	000m: 1-2	RANGE: cr	nic				epiph herb
concaviflora C. Schweinf.		PROV: cc pa	000m: 0-1	RANGE: cr					epiph herb
*condylata Luer		PROV: ch	000m: we	RANGE: end					herb
*congruens Luer		PROV: cn pa	000m: 0-1	RANGE: end					herb
*convallaria Schltr.		PROV: vr	000m: 0-1	RANGE: nic					herb
*corniculata (Sw.) Lindl.		PROV: wp	000m: we	RANGE: cr	gua	hon	nic		herb
*corynophora Luer		PROV: ch	000m: we	RANGE: wr					wh
*costaricensis Rolfe		PROV: vr	000m: 0-1	RANGE: cr					herb
*crocodiliceps Rchb. f.		PROV: wp	000m: we	RANGE: wr					herb
*cucumeris Luer		PROV: ch	000m: we	RANGE: end					herb
*cuspidata Luer		PROV: ch	000m: we	RANGE: end					herb
*decipiens A. & S.		PROV: cc	000m: 0-1	RANGE: end					epiph herb
*dentipetala Ames		PROV: ch	000m: we	RANGE: cr					herb
*deregularis (Barb. Rodr.) Luer		PROV: ch	000m: 0-1,1-2	RANGE: cr	hon	nic			herb
*dressleri Luer		PROV: pa	000m: 0-1	RANGE: end					herb
*dura Lindl.		PROV: ch	000m: we	RANGE: wr					herb
ellipsophylla L.O. Wms.		PROV: bo pa	000m: 0-1	RANGE: end					epiph herb
*endotrachys Rchb. f.		PROV: ch da he lo vr	000m: 0-1,1-2	RANGE: bel sal	cag	cr	hon	mex	epiph herb
eumecocaulon Schltr.		PROV: cc ch	000m: 0-1	RANGE: cr					epiph herb
*excavata Schltr.		PROV: cc	000m: 0-1	RANGE: cr					herb
*foliata Griseb.		PROV: ch da vr	000m: 0-1,1-2	RANGE: ang	cr	hon	mex	nic	epiph herb
fuegii Rchb. f.									
--var. echinata L.O. Wms.		PROV: ch	000m: 2-3	RANGE: end					epiph herb
fulgens Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr	nic				epiph herb
gelida Lindl.		PROV: bo ch	000m: 0-1,1-2	RANGE: ang mex	bel nic	cag sag	fla	hon	epiph herb
geminiflora Ames, Hubb. & Schweinf.		PROV: cc	000m: 0-1	RANGE: cr					epiph

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>glandulosa</i> Ames		PROV: ca lo pa	000m: 0-1	RANGE: cr gua sal	herb epiph
<i>grobyi</i> Lindl.		PROV: ca ch cn pa vr	000m: 0-1	RANGE: ang cag mex nwt sag	herb epiph
* <i>guttata</i> Luer		PROV: pa	000m: 0-1	RANGE: end	herb
* <i>harpago</i> Luer		PROV: da	000m: we	RANGE: end	herb
* <i>hemileuca</i> Luer		PROV: ch	000m: we	RANGE: wr	wh
* <i>homalanthoides</i> Schltr.		PROV: wp	000m: we	RANGE: cr	herb
<i>homolantha</i> Schltr.		PROV: cc ch sa vr	000m: 0-1	RANGE: bel cag cr hon nic sal	epiph herb
* <i>imago</i> Luer		PROV: cc pa	000m: 0-1	RANGE: end	herb
* <i>immersa</i> Linden & Rchb. f.		PROV: ch	000m: we	RANGE: gua hon nic sal	herb
* <i>imraei</i> Lindl.		PROV: ca cc ch da pa vr	000m: 0-1,1-2	RANGE: wr	herb
* <i>instar</i> Luer		PROV: ch	000m: we	RANGE: end	herb
* <i>intricata</i> Lindl.		PROV: pa	000m: 0-1	RANGE: wr	herb
* <i>isthmica</i> Luer		PROV: ch	000m: we	RANGE: end	herb
* <i>jaretiae</i> Luer		PROV: ch	000m: 1-2	RANGE: end	epiph herb
* <i>johnsonii</i> Ames		PROV: cc	000m: 0-1	RANGE: gua hon sal	herb
* <i>lappiformis</i> Heller & L.O. Wms.		PROV: cc cn pa	000m: 0-1	RANGE: nic	herb
* <i>lateralis</i> L.O. Wms.		PROV: cc	000m: 0-1	RANGE: cr	epiphyte
<i>lepidota</i> L.O. Wms.		PROV: ch	000m: 1-2	RANGE: gua	epiph herb
* <i>lewisae</i> Ames		PROV: ca pa	000m: 0-1	RANGE: gua hon nic	herb
* <i>longipedicellata</i> A. & S.		PROV: ch	000m: we	RANGE: cr	herb
* <i>loranthophylla</i> Rchb. f.		PROV: vr	000m: 0-1	RANGE: wr	herb
* <i>luctuosa</i> Rchb. f.		PROV: ch	000m: we	RANGE: nic	herb
<i>macrantha</i> L.O. Wms.		PROV: ch	000m: 1-2	RANGE: end	herb
* <i>mammillata</i> Luer		PROV: cn pa	000m: 0-1	RANGE: end	herb
* <i>membraniflora</i> C. Schweinf.		PROV: wp	000m: we	RANGE: cr	herb
* <i>memor</i> Rchb. f.		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: cr nic	epiph herb
* <i>microphylla</i> A. Rich. & Gal.		PROV: wp	000m: we	RANGE: hon nic	herb
* <i>minutipetala</i> A. & S.		PROV: wp	000m: we	RANGE: cr	herb
* <i>monocardia</i> Rchb. f.		PROV: wp	000m: we	RANGE: wr	herb
* <i>moschata</i> Rchb. f.		PROV: wp	000m: we	RANGE: wr	herb
<i>muricata</i> Schltr.		PROV: cc vr	000m: 0-1	RANGE: cag mex per?	epiph herb
* <i>mystax</i> Luer		PROV: vr	000m: 0-1	RANGE: end	herb
* <i>nitida</i> Luer		PROV: ch	000m: we	RANGE: end	herb
* <i>operculata</i> Luer		PROV: cc	000m: 0-1	RANGE: end	epiph herb
* <i>orbicularis</i> (Lindl.) Lindl.		PROV: cc	000m: 0-1	RANGE: cr nic	epiph herb
* <i>oscitans</i> Ames		PROV: cc pa	000m: 0-1	RANGE: hon nic	herb
<i>ovatilabia</i> A. & S.		PROV: ch	000m: 0-1	RANGE: cr hon	epiph herb
* <i>pallida</i> Luer		PROV: cc	000m: 0-1	RANGE: end	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*pan Luer		PROV: pa vr	000m: 0-1	RANGE: end	herb
*peculiaris Luer		PROV: vr	000m: 0-1	RANGE: end	herb
*pergrata Ames		PROV: cc	000m: 0-1	RANGE: cr	herb
*phyllocardia Rchb. f.		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiphyte
phyllocardioides Schltr.		PROV: da	000m: we	RANGE: hon nic	herb
picta Lindl.		PROV: ca ch cn pa vr	000m: 0-1	RANGE: wr	epiph
pittieri Schltr.		PROV: cc ch	000m: 0-1	RANGE: wr	herb epiph
*platysepala Schltr.		PROV: wp	000m: we	RANGE: col	herb
*polygonoides Griseb.		PROV: ch pa	000m: 0-1	RANGE: wr	herb
*polysticha Luer		PROV: da	000m: we	RANGE: end	herb
powellii Schltr.		PROV: ch pa	000m: 0-1,1-2	RANGE: cr?	epiph
praegrans Ames		PROV: da	000m: 1-2	RANGE: end	herb epiph
pruinosa Lindl.		PROV: ch	000m: 1-2	RANGE: ang cr gui hon nic	epiph
*pubescens Lindl.		PROV: pa	000m: 0-1	RANGE: per?	herb
racemiflora Lodd.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: hon nic RANGE: ang bel cr gua hon	epiphyte epiph
*ramonensis Schltr.		PROV: cc ch	000m: 0-1	RANGE: mex RANGE: cr	herb epiph
rhodoglossa Schltr.		PROV: ch	000m: 1-2	RANGE: end	herb epiph
rowleei Ames		PROV: ch da	000m: 1-2	RANGE: cr	herb epiph
*rubellia Luer		PROV: ch	000m: we	RANGE: end	herb
ruscifolia (Jacq.) R. Br.		PROV: cc ch cn da pa vr	000m: 0-1,1-2	RANGE: ang cr gua? sag sal?	epiph herb
*sanchoi Ames		PROV: ch	000m: we	RANGE: cr	herb
*scitula Luer		PROV: ch	000m: we	RANGE: end	herb
*sclerophylla Lindl.		PROV: ch	000m: 2-3,3+	RANGE: cr gua mex	epiph
segoviensis Rchb. f.		PROV: cc ch da vr	000m: 0-1,1-2	RANGE: cr gua hon mex nic	herb epiph
*segregatifolia A. & S.		PROV: wp	000m: we	RANGE: hon nic sal	herb
*sempergemmata Luer		PROV: ch	000m: we	RANGE: end	herb
simulans L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph
spectabilis A. & S.		PROV: vr	000m: 0-1	RANGE: cr	herb epiph
*tantilla Luer		PROV: cc pa	000m: 0-1	RANGE: end	herb
*telamon Luer		PROV: cc	000m: 0-1	RANGE: end	herb
*thymochilus Luer		PROV: pa	000m: 0-1	RANGE: end	herb
*titan Luer		PROV: ch	000m: we	RANGE: end	herb
*tonduzii Schltr.		PROV: ch	000m: we	RANGE: cr	herb
triangulabia C. Schweinf.		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA						HABIT
50 (33) ORCHIDACEAE cont.										
tribuloides (Sw.) Lindl.		PROV: ch	000m: 1-2	RANGE: ang hon mex	bel	cag	cr	gua	epiph herb	
*tripterantha Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr	mex				herb	
*tropida Luer		PROV: cc	000m: 0-1,1-2	RANGE: end					epiph herb	
tuerckheimii Schltr.		PROV: ch pa	000m: 0-1,1-2	RANGE: cag	cr	gua	mex		epiph herb	
uncinata Fawc.		PROV: cc ch	000m: 0-1,1-2	RANGE: ang	cr	nic			epiph herb	
*vaginata Schltr.		PROV: ch	000m: 0-1	RANGE: cr					herb	
velaticaulis Rchb. f.		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: ang	cr	per	sag?	ven	epiph herb	
*veraguacensis Luer		PROV: vr	000m: 0-1	RANGE: end					herb	
verecunda Schltr.		PROV: ca cn	000m: 0-1	RANGE: cr					epiph herb	
vittata Lindl.		PROV: cc	000m: 0-1	RANGE: cr	gua	hon	mex	ven?	epiph herb	
*volcanica Luer		PROV: ch	000m: we	RANGE: end					herb	
Polycynis										
barbata (Lindl.) Rchb. f.		PROV: cc	000m: 0-1,1-2	RANGE: col	cr	sao	ven		epiph herb	
gratiosa Endres & Rchb. f.		PROV: cc pa	000m: 0-1	RANGE: wr					epiph herb	
*lehmannii Rolfe		PROV: da	000m: we	RANGE: wr					herb	
*musicfera (Lindl. & Paxt.) Rchb. f.		PROV: ch	000m: we	RANGE: wr					herb	
*ornata Garay		PROV: da	000m: we	RANGE: ecu					herb	
*tortuosa Dressler		PROV: cc	000m: 0-1	RANGE: wr					herb	
Polystachya										
*foliosa (Hook.) Rchb. f.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: ang	cag	mex	sag?		epiph herb	
masayensis Rchb. f.		PROV: ca cc ch cn	000m: 0-1	RANGE: bel mex	cag nic	cr	gua	hon	epiph herb	
Ponthieva										
brenesii Schltr.		PROV: wp	000m: we	RANGE: cr					herb	
ephippium Rchb. f.		PROV: ch	000m: 1-2	RANGE: gua	hon	mex			herb	
maculata Lindl.		PROV: ch	000m: 2-3	RANGE: col sal ven	cr	ecu	gua	mex	herb	
racemosa (Walt.) Mohr		PROV: cc ch pa	000m: 0-1,3+	RANGE: ang mex	cr nag?	fla nao	gua per	hon sag?	herb	
Prescottia										
oligantha (Sw.) Lindl.		PROV: cc ch	000m: 0-1	RANGE: ang mex ven	col	cr	fla	gua	herb	
stachyodes (Sw.) Lindl.		PROV: ca cc	000m: 0-1	RANGE: ang hon mex	bel sao	cag	col	gua	herb	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*Pseudocentrum *hoffmannii Rchb. f.		PROV: bo ch	000m: we	RANGE: wr	wh
*Psilochilus *macrophyllus (Lindl.) Ames		PROV: cc ch	000m: 0-1,1-2	RANGE: gua nic	herb
*Psygmorchis *pumilio (Rchb. f.) Dodson & Dressler		PROV: ch	000m: we	RANGE: hon nic	herb
*pusilla (L.) Dodson & Dressler		PROV: bo ca cc cn da pa	000m: 0-1,1-2	RANGE: bol cag mex sag? sao trt	epiph herb
*Pterichis *costaricensis A. & S.		PROV: bo	000m: we	RANGE: cr	herb
*Reichenbachanthus *cuniculatus (Schltr.) Pabst. *reflexus (Lindl.) Brade		PROV: cc PROV: cn pa	000m: 0-1 000m: 0-1	RANGE: wr RANGE: cr	wh herb
Restrepia filamentosa A. & S.		PROV: ch	000m: 1-2	RANGE: wr	epiph herb
sub serrata Schltr.		PROV: ch pa	000m: 0-1,1-2	RANGE: cr	epiph herb
xanthophthalma Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr gua hon mex nic	epiph herb
*Restrepiopsis *tubulosa (Lindl.) Luer *ujarensis (Rchb. f.) Luer *viridula (Lindl.) Luer		PROV: wp PROV: ch PROV: wp	000m: we 000m: we 000m: we	RANGE: wr RANGE: gua RANGE: wr	herb herb herb
Rodriguezia compacta Schltr.		PROV: bo	000m: 0-1	RANGE: cr nic	epiph herb
*lanceolata R. & P.		PROV: ca cn pa	000m: 0-1	RANGE: col gui trt ven	epiph herb
*Rossioglossum *powellii (Schltr.) Garay & Kennedy		PROV: ch	000m: we	RANGE: wr	epiph herb
*schlieperianum (Rchb. f.) Garay & Kennedy		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
*Rudolphiella *picta (Schltr.) Hoehne		PROV: da	000m: 0-1	RANGE: col	epiph herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*Salpistele					
*brunnea Dressler		PROV: cc ch vr	000m: 0-1	RANGE: wr	herb
*lutea Dressler		PROV: ch	000m: we	RANGE: wr	herb
Sarcoglottis					
acaulis (J.E. Sm.) Schltr.		PROV: ca	000m: 0-1	RANGE: ang cag mex sag sao	herb
Scaphosepalum					
*clavellatum Luer		PROV: cn pa	000m: 0-1	RANGE: wr	herb
elasmotopus Schltr.		PROV: ca ch	000m: 0-1,1-2,2-3	RANGE: end	epiph herb
*microdactylum Rolfe		PROV: ch	000m: we	RANGE: wr	herb
*punctatum (Rolfe) Kranzl.		PROV: ch	000m: we	RANGE: wr	herb
*standleyi Ames		PROV: ch	000m: we	RANGE: gua hon	herb
*viviparum Luer		PROV: vr	000m: 0-1	RANGE: wr	herb
Scaphyglottis					
acostaei (Schltr.) C. Schweinf.		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiph herb
amethystina (Rchb. f.) Schltr.		PROV: ca ch	000m: 0-1	RANGE: cr nic	epiph herb
*amparoana (Schltr.) Dressler		PROV: ch cn vr	000m: 0-1	RANGE: wr	herb
bilineata (Rchb. f.) Schltr.		PROV: ca cc	000m: 0-1	RANGE: cr	epiph herb
*brachyphila (Rchb. f.) C. Schweinf.		PROV: ch	000m: we	RANGE: wr	herb
*gigantea Dressler		PROV: ch	000m: we	RANGE: wr	herb
*graminifolia (R. & P.) P. & E.		PROV: ca ch pa vr	000m: 0-1	RANGE: bel col cr ecu gua hon nic per ven	herb
*jimenezii Schltr.		PROV: ch	000m: we	RANGE: cr	herb
laevilabia Ames		PROV: pa	000m: 0-1	RANGE: wr	herb
lindeniana (Rich. & Gal.) L.O. Wms.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr gua mex	epiph herb
longicaulis S. Wats.		PROV: ca cn da pa sa	000m: 0-1	RANGE: col cr gua hon nic	epiph herb
mesocopis Hemsl.		PROV: ca cc ch	000m: 0-1,1-2	RANGE: cr	epiph herb
micrantha (Lindl.) Ames & Corr.		PROV: ch vr	000m: 0-1	RANGE: cag cr gua hon nic sal	epiph herb
minutiflora Ames & Corr.		PROV: cc	000m: 0-1	RANGE: bel gua hon sal	epiph herb
prolifera Cogn.		PROV: ca cc pa	000m: 0-1	RANGE: ang bol cag sao	epiph herb
*punctulata (Rchb. f.) Schweinf.		PROV: ch da pa	000m: 0-1	RANGE: wr	herb
*spathulata C. Schweinf.		PROV: cc	000m: 0-1	RANGE: wr	herb
*stenotepala (Rchb. f.) C. Schweinf.		PROV: wp	000m: we	RANGE: wr	herb
tenella L.O. Wms.		PROV: cc	000m: 0-1	RANGE: cr nic	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*Scelochilus					
*tuerckheimii Schltr.		PROV: ch	000m: we	RANGE: gua	wh
Schomburgkia					
*undulata Lindl.		PROV: cc ch	000m: 0-1	RANGE: cr ven?	epiph herb
Selenipedium					
chica Rchb. f.		PROV: ca pa	000m: 0-1	RANGE: end	herb
*Sepalosaccus					
*strumatum (Endres & Rchb. f.) Garay		PROV: ch	000m: we	RANGE: wr	herb
Sievekingia					
*butcheri Dressler		PROV: cc	000m: 0-1	RANGE: end	herb
*fimbriata Rchb. f.		PROV: cc pa	000m: 0-1	RANGE: pr	herb
suavis Rchb. f.		PROV: ca cn	000m: 0-1	RANGE: cr nic	epiph herb
Sigmatostalix					
abortiva L.O. Wms.		PROV: ca cc cn da	000m: 0-1	RANGE: end	epiph herb
*brownii Garay		PROV: ch	000m: we	RANGE: wr	herb
guatemalensis Schltr.		PROV: ch	000m: 1-2	RANGE: cr gua mex	epiph herb
hymenantha Schltr.		PROV: da vr	000m: 0-1	RANGE: cr	epiph herb
*macrobulbon Kranzl.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cr	epiphyte
*picta Rchb.		PROV: ca ch	000m: 0-1,1-2	RANGE: wr	epiphyte
*picturatissima Kranzl.		PROV: cc ch pa vr	000m: 0-1	RANGE: cr	epiph herb
Sobralia					
allenii L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
amabilis (Rchb. f.) L.O. Wms.		PROV: ch	000m: we	RANGE: cr sal	herb
*atropubescens A. & S.		PROV: cc	000m: 0-1	RANGE: cr	herb
bletiae Rchb. f.		PROV: ch	000m: we	RANGE: wr	herb
bouchei A. & S.		PROV: cc	000m: 0-1	RANGE: nic	herb
callosa L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	herb
*decora Batem.		PROV: cc da pa	000m: 0-1	RANGE: bel cag gua hon nic	epiphyte
fenzliana Rchb. f.		PROV: cc ch pa	000m: 0-1	RANGE: wr	herb
fragrans Lindl.		PROV: ca cc ch da pa vr	000m: 0-1	RANGE: bel cr gua hon	herb
labiata Warsc. & Rchb. f.		PROV: ch	000m: we	RANGE: wr	herb
lindleyana Rchb. f.		PROV: ch	000m: 1-2	RANGE: cr nic	herb
macrophylla Rchb. f.		PROV: bo ca pa	000m: 0-1	RANGE: wr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
powellii Schltr.		PROV: cc da pa	000m: 0-1	RANGE: cr	herb
suaveolens Rchb. f.		PROV: ca pa	000m: 0-1	RANGE: nic	herb
*undatocarinata C. Schweinf.		PROV: ch	000m: we	RANGE: cr	herb
valida Rolfe		PROV: da	000m: 0-1	RANGE: end	herb
warszewiczii Rchb. f.		PROV: ch	000m: 1-2	RANGE: bel nic	herb
*wercklei (Schltr.) L.O. Wms.		PROV: vr	000m: 0-1	RANGE: wr	wh
*Solenocentrum					
*costaricense Schltr.		PROV: ch	000m: we	RANGE: cr	herb
*Spathoglottis					
*plicata Blume	intr.	PROV: ca cn	000m: 0-1	RANGE: wr	herb
*Sphyrastylis					
*cryptantha (Schweinf. & Allen) Garay		PROV: cc	000m: 0-1,1-2	RANGE: wr	epiph herb
Spiranthes					
woodsonii L.O. Wms.		PROV: ch	000m: 1-2	RANGE: end	herb
Stanhopea					
*cirrhata Lindl.		PROV: ch	000m: we	RANGE: hon	herb
costaricensis Rchb. f.		PROV: wp	000m: we	RANGE: cr hon nic	epiph herb
*ecornuta Lem.		PROV: bo	000m: we	RANGE: hon nic	herb
graveolens Lindl.		PROV: ca pa	000m: 0-1	RANGE: cr gua hon mex sal	epiph herb
oculata (Lodd.) Lindl.		PROV: cc	000m: 0-1	RANGE: cag? mex sag?	epiph herb
pulla Rchb. f.		PROV: ca cc vr	000m: 0-1	RANGE: cr	epiph herb
wardii Lindl.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag? cr gua mex sag?	epiph herb
Stelis					
aemula Schltr.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr gua? hon?	epiph herb
allenii L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
*aprica Lindl.		PROV: ch pa	000m: 0-1,1-2	RANGE: cag cr gua hon mex	epiph herb
*argentata Lindl.		PROV: cc da pa	000m: 0-1,1-2	RANGE: cr gua mex nic sag?	epiph herb
atrorubens L.O. Wms.		PROV: cc	000m: 0-1	RANGE: end	epiph herb
*biserrula Lindl.		PROV: cc vr	000m: 0-1	RANGE: wr	herb
*butcheri Luer		PROV: ch	000m: 2-3	RANGE: end	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>collina</i> Schltr.		PROV: pa	000m: 0-1	RANGE: end	epiph herb
* <i>cooperi</i> Schltr.		PROV: ch	000m: 2-3	RANGE: cr	herb
<i>crescentiicola</i> Schltr.		PROV: ca cc cn da pa	000m: 0-1	RANGE: cr nic	epiph herb
<i>despectans</i> Schltr.		PROV: ch	000m: 2-3	RANGE: cr sal	epiph herb
* <i>dressleri</i> Luer		PROV: vr	000m: 0-1	RANGE: end	epiph herb
* <i>fimbriata</i> R.K. Baker		PROV: pa	000m: 0-1	RANGE: wr	herb
* <i>gratiosa</i> Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
<i>inaequalis</i> Ames		PROV: pa	000m: 0-1	RANGE: hon nic	epiph herb
<i>leucopogon</i> Rchb. f.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr gua sag?	epiph herb
* <i>loculifera</i> Luer		PROV: ch	000m: 1-2	RANGE: end	epiph herb
<i>longipetiolata</i> Ames		PROV: ch	000m: 2-3	RANGE: end	epiph herb
<i>maxonii</i> Schltr.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr nic	epiph herb
<i>microchila</i> Schltr.		PROV: cc	000m: 0-1	RANGE: cr gua	epiph herb
<i>montana</i> L.O. Wms.		PROV: ch	000m: 2-3	RANGE: end	epiph herb
<i>panamensis</i> Schltr.		PROV: pa	000m: 0-1	RANGE: cr	epiph herb
<i>powellii</i> Schltr.		PROV: bo ch	000m: 0-1,1-2	RANGE: cr	epiph herb
* <i>purpurea</i> (R. & P.) Willd.		PROV: pa	000m: 0-1	RANGE: wr	herb
* <i>sarcophylla</i> Luer		PROV: ch	000m: 1-2	RANGE: end	epiph herb
* <i>semperflorens</i> Luer		PROV: pa	000m: 0-1	RANGE: end	epiph herb
<i>skutchii</i> Ames		PROV: ch	000m: 1-2	RANGE: cr	epiph herb
* <i>spathulata</i> P. & E.		PROV: ch	000m: 1-2	RANGE: wr	herb
<i>storkii</i> Ames		PROV: cc pa	000m: 0-1	RANGE: cr	epiph herb
* <i>triaristata</i> Luer		PROV: pa	000m: 0-1	RANGE: wr	herb
* <i>umbelliformis</i> Hespenh. & Dressler		PROV: cn pa	000m: 0-1	RANGE: wr	herb
<i>vestita</i> Ames		PROV: ch	000m: 1-2	RANGE: cr sal	epiph herb
<i>williamsii</i> Ames		PROV: da	000m: 1-2	RANGE: hon nic	epiph herb
* <i>Stellilabium</i>					
* <i>minutiflorum</i> (Kranzl.) Garay		PROV: cc ch pa	000m: 0-1	RANGE: nic	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
<i>Stenoptera</i> <i>costaricensis</i> Schltr.		PROV: ch	000m: 1-2,2-3	RANGE: cr sag?	herb
* <i>Stenorrhynchos</i> * <i>lanceolatum</i> Spr.		PROV: ca ch cn pa sa	000m: 0-1	RANGE: ang cag fla mex sag	herb
<i>navarrensis</i> Ames		PROV: bo cc ch vr	000m: 0-1,1-2,2-3	RANGE: cr	herb
* <i>speciosum</i> Spr.		PROV: ch da pa vr	000m: 0-1,1-2	RANGE: ang cr gua hon mex	herb
* <i>standleyi</i> Ames		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	terr herb
* <i>Systeloglossum</i> * <i>panamense</i> Dressler & N.H. Wms.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: end	herb
<i>Telipogon</i> * <i>ampliflorus</i> C. Schweinf.		PROV: wp	000m: we	RANGE: cr	herb
<i>dendriticus</i> Rchb. f.		PROV: ch	000m: 1-2	RANGE: col	epiph herb
* <i>endresianum</i> Kranzl.		PROV: ch	000m: we	RANGE: cr	herb
* <i>parvulus</i> C. Schweinf.		PROV: ch	000m: 1-2	RANGE: cr	epiphyte
<i>radiatus</i> Rchb. f.		PROV: ch	000m: 1-2	RANGE: col per	epiph herb
* <i>Teuscheria</i> * <i>pickiana</i> (Schltr.) Garay		PROV: ca ch cn	000m: 0-1	RANGE: hon nic	herb
* <i>Trevoria</i> * <i>zahnbruckneriana</i> (Schltr.) Garay		PROV: vr	000m: 0-1	RANGE: nic	herb
<i>Trichocentrum</i> * <i>caloceras</i> Endres & Rchb. f.		PROV: ch	000m: we	RANGE: wr	herb
* <i>capistratum</i> Rchb. f.		PROV: ca cc cn pa	000m: 0-1	RANGE: col cr ven	epiph herb
<i>Trichopilia</i> <i>leucoxantha</i> L.O. Wms.		PROV: cc	000m: 0-1	RANGE: wr	epiph herb
<i>maculata</i> Rchb. f.		PROV: ca cc pa	000m: 0-1	RANGE: hon	epiph herb
<i>marginata</i> Henfr.		PROV: ch	000m: 1-2	RANGE: col cr gua hon nic	epiph herb
--var. <i>alba</i> Rchb. f.		PROV: ch	000m: we	RANGE: wr	epiph herb
--var. <i>lepida</i> Veitch		PROV: ch	000m: we	RANGE: wr	epiph herb
--var. <i>olivacea</i> Rchb. f.		PROV: ch	000m: we	RANGE: wr	epiph herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
suavis Lindl. & Paxt.		PROV: ch	000m: 1-2	RANGE: col cr	epiph herb
subulata (Sw.) Rchb. f.		PROV: ca cc ch pa	000m: 0-1	RANGE: col cub jam per trt	epiph herb
turalvae Rchb. f.		PROV: vr	000m: 0-1	RANGE: cr nic	epiph herb
Trigonidium					
egertonianum Lindl.		PROV: bo ca cc ch da pa vr	000m: 0-1	RANGE: bel cag col cr ecu gua hon mex nic per sal ven	epiph herb
lankesteri Ames		PROV: cc	000m: 0-1	RANGE: cr	epiph herb
Triphora					
*gentianoides (Sw.) Ames & Schltr.		PROV: ca	000m: 0-1	RANGE: cub fla gua hon mex	herb
mexicana (S. Wats.) Schltr.		PROV: ca	000m: 0-1	RANGE: gua hon mex	herb
wagneri Schltr.		PROV: ch vr	000m: 0-1	RANGE: end	herb
*Trisetella					
*dressleri (Luer) Luer		PROV: cc pa	000m: 0-1	RANGE: end	herb
*huebneri (Luer) Luer		PROV: bo vr	000m: 0-1	RANGE: wr	herb
*tenuissima (C. Schweinf.) Luer		PROV: cc	000m: 0-1	RANGE: end	epiph herb
*triaristella (Rchb. f.) Luer		PROV: vr	000m: 0-1	RANGE: wr	herb
*tridactylites (Rchb. f.) Luer		PROV: cc	000m: 0-1	RANGE: wr	epiph herb
Trizeuxis					
falcata Lindl.		PROV: ch vr	000m: 0-1	RANGE: bol cr per sao trt ven	epiph herb
*Uleiorchis					
*ulaei (Cogn.) Handro		PROV: ca	000m: 0-1	RANGE: wr	herb
Vanilla					
*pauciflora Dressler		PROV: pa	000m: 0-1	RANGE: cr?	herb
*pfaviana Rchb. f.		PROV: ch	000m: we	RANGE: bel gua hon	herb
planifolia Andr.	cult.	PROV: ca pa sa	000m: 0-1	RANGE: ang? cag mex	herb
pompona Scheide		PROV: ca	000m: 0-1	RANGE: ang bol cag ecu gui mex ven	herb
Warrea					
costaricensis Schltr.		PROV: ch	000m: 0-1	RANGE: cr gua	herb
*Warreopsis					
*parviflora (L.O. Wms.) Garay		PROV: ch	000m: 1-2	RANGE: wr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
50 (33) ORCHIDACEAE cont.					
*Wulfschlaegelia					
*aphylla (Sw.) Rehb. f.		PROV: cc	000m: 0-1	RANGE: gua hon	herb
*calcarata Benth.		PROV: cn pa	000m: 0-1	RANGE: wr	herb
Xylobium					
*colleyi (Lindl.) Rolfe		PROV: cn	000m: 0-1	RANGE: wr	herb
elongatum (Lindl.) Hemsl.		PROV: cc ch da	000m: 0-1,1-2,2-3	RANGE: cr gua nic	epiph herb
foveatum (Lindl.) Nichols.		PROV: ca pa	000m: 0-1	RANGE: cag col gui hon jam	epiph
powellii Schltr.		PROV: ch	000m: 1-2	RANGE: mex nic per sag? cr nic	herb epiph herb
*Zootrophion					
*atropurpureum (Lindl.) Luer		PROV: cc pa	000m: 0-1	RANGE: wr	wh
51 CASUARINACEAE					
*Casuarina					
*equisetifolia L.		intr. cult. PROV: pa	000m: 0-1	RANGE: oce	tree
53 (34) PIPERACEAE					
Anderssoniopiper					
panamense Treil.		PROV: wp	000m: we	RANGE: end	shrub
Peperomia					
acuminata R. & P.		PROV: ch	000m: 1-2,2-3	RANGE: ang gua per sag sat	herb
albescens Treil.		PROV: cc	000m: 0-1	RANGE: end	herb
*amphitricha Treil.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
*angularis C. DC.		PROV: cc ch lo pa	000m: 0-1,1-2	RANGE: cag sat	herb
*angustata H.B.K.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
barbinodis Treil.		PROV: ch	000m: 1-2	RANGE: cr	herb
bifrons Treil.		PROV: ch	000m: 1-2	RANGE: end	herb
*blephariphylla Treil. & Yuncker		PROV: pa	000m: 0-1	RANGE: wr	epiph herb
brevipeduncula Treil.		PROV: da pa	000m: 0-1	RANGE: end	herb
caudulilimba C. DC.		PROV: bo ca cc da	000m: 0-1	RANGE: end	herb
--var. cylindribacca (C. DC.) Yuncker		PROV: ch	000m: 0-1	RANGE: end	herb
chiriquiensis Yuncker		PROV: ch	000m: 1-2,2-3	RANGE: end	herb
chrysioides Yuncker		PROV: bo ca pa	000m: 0-1	RANGE: end	herb
*ciliaris C. DC.		PROV: cc pa	000m: 0-1,1-2	RANGE: sat	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
53 (34) PIPERACEAE cont.									
ciliolibractea C. DC.		PROV: ca da pa	000m: 0-1	RANGE: end					herb
cocleana Trel.		PROV: cc	000m: 0-1	RANGE: end					herb
cordulata C. DC.		PROV: ca cn	000m: 0-1	RANGE: end					epiph herb
cordulatiformis Trel.		PROV: ca da pa	000m: 0-1	RANGE: end					herb
*costaricensis C. DC.		PROV: da	000m: 0-1	RANGE: cr gua					epiph terr herb
cyclophylla Miq.		PROV: ca ch da pa vr	000m: 0-1	RANGE: ang bol cag cr gua per sao sat					herb
davidsonii Yuncker		PROV: ch	000m: 2-3	RANGE: end					herb
digitinervia Trel.		PROV: cc cn cn pa vr	000m: 0-1	RANGE: end					epiph herb
distachya (L.) A. Dietr.		PROV: bo cc pa vr	000m: 0-1,1-2	RANGE: ang cag ecu gui mex per sao ven					herb
*dotana Trel.		PROV: ch vr	000m: 1-2,2-3	RANGE: col cr ecu ven					herb
*ebingeri Yuncker		PROV: ca vr	000m: 0-1	RANGE: cr gua					herb
elata Schroeder		PROV: ch vr	000m: 1-2	RANGE: cr hon					herb
*emarginella (Sw.) C. DC.		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: ang cr sat?					epiphyte
*emiliana C. DC.		PROV: bo da	000m: 0-1	RANGE: cag					epiph herb
flexinervia Yuncker		PROV: bo cc ch vr	000m: 0-1	RANGE: end					herb
*galloides H.B.K.		PROV: ch	000m: 1-2,2-3	RANGE: ang cag cr mex sat ven					herb
glabella (Sw.) A. Dietr.		PROV: ca ch cn da pa sa	000m: 0-1,1-2	RANGE: ang cag col cr gua					herb
--var. glabella				sat? ven					
--var. nervulosa (C. DC.) Yuncker		PROV: ca da	000m: 0-1	RANGE: ang cag sat					herb
*guapilesiana Trel.		PROV: bo pa	000m: 0-1	RANGE: cr					epiph terr herb
*hernandiifolia (Vahl) A. Dietr.		PROV: cc ch da vr	000m: 0-1,1-2	RANGE: ang cag col cr mex sao					epiph climb herb
hispidula (Sw.) A. Dietr.		PROV: ch	000m: 1-2	RANGE: ang cag cr gua sao sat ven					herb
*hoffmannii C. DC.		PROV: ch	000m: 0-1,1-2	RANGE: cr gua sao					herb
hygrophiloides C. DC.		PROV: ch	000m: 1-2	RANGE: end					epiph herb
insueta Trel.		PROV: ca cc cn da pa sa	000m: 0-1	RANGE: end					herb
killipi Trel.		PROV: ca ch cn da lo pa	000m: 0-1	RANGE: end					herb
*lanceolato-peltata C. DC.		PROV: cc lo pa	000m: 0-1,1-2	RANGE: cag sat ven					epiph herb
*lancifolia Hook.		PROV: da pa vr	000m: 0-1,1-2	RANGE: col cr ecu gui mex per sao sat ven					herb
*lancifolioidea Burger		PROV: cc cn pa	000m: 0-1	RANGE: cr					herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
53 (34) PIPERACEAE cont.					
*Iaxiflora H.B.K.		PROV: da	000m: 0-1	RANGE: wr	herb
machaerodonta Trel.		PROV: ch	000m: 1-2	RANGE: end	epiph herb
*macrostachya (Vahl) A. Dietr.		PROV: bo ca ch cn da pa vr	000m: 0-1	RANGE: cr gui mex sag sao	herb
maculosa (L.) Hook.		PROV: ca ch da pa	000m: 0-1,1-2	RANGE: ang cr sat?	herb
magnoliaefolia (Jacq.) A. Dietr.		PROV: bo ca	000m: 0-1	RANGE: ang cag col sag	herb
mameiana Schroeder		PROV: ca cc ch cn da lo pa vr	000m: 0-1	RANGE: cr	herb
nievecitana Trel.		PROV: bo vr	000m: 0-1	RANGE: end	epiph herb
obscurifolia C. DC.		PROV: ca cc ch cn da	000m: 0-1,1-2,2-3	RANGE: end	herb
obtusifolia (L.) A. Dietr.					
--var. emarginata (R. & P.) Dahlst.		PROV: ca vr	000m: 0-1	RANGE: ang cag sat	herb
--var. longibracteata Yuncker		PROV: cc	000m: 0-1	RANGE: cag sat	herb
--var. obtusifolia		PROV: bo ca cc ch da pa vr	000m: 0-1,1-2,2-3	RANGE: ang cag mex sag	herb
*oerstedii C. DC.		PROV: cc pa vr	000m: 0-1	RANGE: cr	herb
*olivacea C. DC.		PROV: wp	000m: 1-2	RANGE: cr	herb
*omnicola C. DC.		PROV: bo ch vr	000m: 1-2	RANGE: cr ecu gua ven	herb
palmana C. DC.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
panamensis C. DC.		PROV: ca cc da pa vr	000m: 0-1	RANGE: col cr ecu nag? trt ven	epiphyte
pellucida (L.) H.B.K.		PROV: bo ca cn da lo pa sa	000m: 0-1,1-2,2-3	RANGE: ang cag cr mex nag? oce owg? sat?	herb
*pereskiaefolia (Jacq.) H.B.K.		PROV: ca cc pa	000m: 0-1	RANGE: col cr nic ven	epiph herb
perglandulosa Yuncker		PROV: cc pa	000m: 0-1,1-2	RANGE: end	epiph herb
pernambucensis Miq.		PROV: bo ca cc cn da pa vr	000m: 0-1,1-2	RANGE: cag? col cr gui sag?	herb
*philipsonii Yuncker					
*--var. panamensis Yuncker		PROV: pa	000m: 0-1	RANGE: wr	herb
*poasana C. DC.		PROV: ca cc ch pa vr	000m: 0-1,1-2	RANGE: cr	epiph herb
portobellensis Beurl.		PROV: cn	000m: 0-1	RANGE: end	herb
pseudo-dependens C. DC.		PROV: pa vr	000m: 0-1	RANGE: col cr ven	herb
quadrangularis (Thomps.) A. Dietr.					
quadrifolia (L.) H.B.K.		PROV: da	000m: 0-1	RANGE: ang sag	herb
		PROV: ch da	000m: 1-2,2-3	RANGE: ang cag col cr mex sat? ven	herb
quaternata Miq.		PROV: ch	000m: 1-2	RANGE: wr	herb
*reptabunda Trel.		PROV: ca ch da	000m: 0-1,1-2	RANGE: cr	herb
*rhexiaefolia C. DC.		PROV: wp	000m: we	RANGE: col cr gua ven	epiph herb
rotundifolia (L.) H.B.K.		PROV: bo ca cc ch cn da lo pa vr	000m: 0-1,1-2	RANGE: cr nwg	herb
*saligna H.B.K.		PROV: ch	000m: 2-3	RANGE: cag col cr ecu sat ven	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
53 (34) PIPERACEAE cont.					
seemanniana Miq.		PROV: ch	000m: 1-2	RANGE: cr gua	herb
serpens (Sw.) Loud.		PROV: bo ca da pa	000m: 0-1	RANGE: ang per sag? sao	herb
substriata C. DC.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	herb
*syringifolia C. DC.		PROV: ch vr	000m: 0-1,3+	RANGE: cr	epiphyte
*tenellaeformis Trel.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	epiph herb
*tetraphylla (G. Forst.) Hook. & Arn.		PROV: ca ch da	000m: 0-1,1-2,2-3	RANGE: ang cag mex sag wdt	epiph herb
*tsakiana C. DC.		PROV: cc vr	000m: 0-1,1-2	RANGE: cr	epiphyte
umbrigaudens Yuncker		PROV: cn da pa	000m: 0-1	RANGE: end	herb
urocarpoides C. DC.		PROV: bo cc cn da	000m: 0-1	RANGE: end	herb
valliculae Trel.		PROV: cc	000m: 0-1	RANGE: end	herb
wedelii Yuncker		PROV: bo cc cn	000m: 0-1	RANGE: end	epiph herb
Piper					
aduncum L.		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1,1-2	RANGE: ang cag sat? ven	shrub tree
--var. brachyarthrum (Trel.) Yuncker		PROV: ca cc ch vr	000m: 0-1,1-2	RANGE: ang cag sag? ven	shrub
aequale Vahl		PROV: bo ca cc ch cn da lo pa vr	000m: 0-1,1-2	RANGE: ang cr hon sag ven	shrub
--var. laurifolium (Trel.) Yuncker		PROV: da	000m: 0-1	RANGE: end	shrub
albopunctulatifissimum Trel.		PROV: cc	000m: 0-1	RANGE: end	shrub
*amalago L.		PROV: ca ch da pa	000m: 0-1,1-2	RANGE: ang cag sag ven	shrub tree
arboreum Aubl.		PROV: ca cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: ang cag cr gua	shrub tree
--var. falcifolium (Trel.) Yuncker		PROV: ch pa	000m: 0-1,1-2	RANGE: ang sag?	shrub
--var. hirtellum Yuncker		PROV: ca ch pa	000m: 0-1	RANGE: gui sag? sao ven	herb
*arieianum C. DC.		PROV: bo ca cc cn da he pa sa	000m: 0-1	RANGE: col cr nic trt trt	shrub tree
aristolochiaefolium (Trel.) Yuncker		PROV: ca	000m: 0-1	RANGE: end	shrub
augustum Rudge		PROV: bo ca cc cn da pa vr	000m: 0-1,1-2	RANGE: col cr gui sat ven	shrub
--var. cocleanum (Trel.) Yuncker		PROV: ca cc ch da	000m: 0-1,1-2	RANGE: end	shrub
auritum H.B.K.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: ang cag mex sat?	tree
*biauratum C. DC.		PROV: bo ch da pa vr	000m: 0-1,1-2	RANGE: cr	shrub
*biolleyi C. DC.		PROV: bo	000m: 0-1	RANGE: cr nic	shrub treelet
*bisasperatum Trel.		PROV: ch vr	000m: 0-1,1-2	RANGE: cr	shrub
bogotense C. DC.		PROV: wp	000m: we	RANGE: sag?	shrub tree
*boquetense Yuncker		PROV: ch	000m: 1-2	RANGE: end	shrub
*bredemeyeri Jacq.		PROV: ch	000m: 1-2	RANGE: col cr hon ven	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
53 (34) PIPERACEAE cont.					
campanum Yuncker		PROV: cc cn pa	000m: 0-1	RANGE: end	shrub
*canaense Standl.		PROV: bo cc cn da pa vr	000m: 0-1,1-2	RANGE: col	shrub
*carpinteranum C. DC.		PROV: ch	000m: 1-2	RANGE: cr	herb shrub
carrilloanum C. DC.		PROV: bo ca ch cn da pa	000m: 0-1,1-2	RANGE: col cr ecu nic	shrub
cativalese Treil.		PROV: cn	000m: 0-1	RANGE: end	shrub
changuinolanum Treil.		PROV: bo	000m: 0-1	RANGE: end	shrub
*chrysostachyum C. DC.		PROV: ch vr	000m: 0-1,1-2	RANGE: cr	shrub
*coilostachyum C. DC.		PROV: ch	000m: 0-1	RANGE: wr	shrub
colon-insulae Treil.		PROV: bo	000m: 0-1	RANGE: end	shrub
colonense C. DC.		PROV: ca ch cn pa sa	000m: 0-1,1-2	RANGE: cr	shrub
*concepcionis Treil.		PROV: da pa vr	000m: 0-1	RANGE: cr ecu	shrub
cooperi Yuncker		PROV: bo	000m: 0-1	RANGE: end	shrub tree
cordulatum C. DC.		PROV: ca cn pa vr	000m: 0-1,1-2	RANGE: end	shrub tree
*crassinervium H.B.K.					
*--var. crassinervium		PROV: ch	000m: 1-2	RANGE: col cr per sao ven	shrub tree
crassispicatum Opiz		PROV: wp	000m: we	RANGE: end	shrub?
culebranum C. DC.		PROV: ca cn pa	000m: 0-1	RANGE: cr	shrub
*curtispicum C. DC.		PROV: cc cn da pa vr	000m: 0-1	RANGE: cr	shrub herb
*daguanum C. DC.		PROV: cc cn da vr	000m: 0-1	RANGE: wr	shrub
darienense C. DC.		PROV: bo ca ch da pa sa	000m: 0-1	RANGE: col cr nic ven	shrub
davidsonii Yuncker		PROV: ch	000m: 1-2	RANGE: end	shrub
dilatatum Rich.		PROV: ca cc ch cn da lo pa	000m: 0-1	RANGE: ang cr gui mex sag sao trt	shrub
distigmatum Yuncker		PROV: ch	000m: 1-2	RANGE: end	shrub? tree
*dryadum C. DC.		PROV: cc da vr	000m: 0-1	RANGE: cr	shrub climber
*dukei C. DC.		PROV: bo cc cn pa vr	000m: 0-1	RANGE: col cr	shrub
*enganyanum Treil. & Yuncker		PROV: ch vr	000m: 0-1	RANGE: wr	subshrub
*epigynium C. DC.		PROV: cc	000m: 0-1	RANGE: cr	shrub treelet
erubescensispicum Treil.		PROV: bo	000m: 0-1	RANGE: end	shrub
exiguicaule Yuncker		PROV: bo pa vr	000m: 0-1	RANGE: wr	shrub
*fimbriulatum C. DC.		PROV: cc	000m: 0-1	RANGE: cr	shrub
*flagelliscuspe Treil. & Yuncker		PROV: pa	000m: 0-1	RANGE: wr	climber shrub
*friedrichsthallii C. DC.		PROV: bo ca cc ch cn lo vr	000m: 0-1,1-2	RANGE: cr	shrub
garagaranum C. DC.		PROV: ca cc cn da pa vr	000m: 0-1	RANGE: cr nic	shrub
*glabrescens (Miq.) C. DC.		PROV: bo ch da vr	000m: 0-1,1-2	RANGE: ang cr ecu gua nic	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
53 (34) PIPERACEAE cont.					
gonocarpum Treil.		PROV: ca	000m: 0-1	RANGE: end	shrub
grande Vahl		PROV: ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: col col cr nic ven	shrub tree
hartwegianum (Benth.) C. DC.		PROV: wp	000m: we	RANGE: col	shrub tree
*haughtii Treil. & Yuncker		PROV: cc	000m: 0-1,1-2	RANGE: wr	treelet
*hebetifolium Burger		PROV: vr	000m: 0-1	RANGE: wr	shrub
*heterotrichum C. DC.		PROV: da	000m: 1-2	RANGE: wr	shrub
hirtellipetiolum C. DC.					
--var. harveyanum (Treil.) Yuncker		PROV: bo ca cc ch pa	000m: 0-1,1-2	RANGE: end	shrub
--var. hirtellipetiolum		PROV: bo ca ch da pa	000m: 0-1	RANGE: end	shrub
--var. tapianum (Treil.) Yuncker		PROV: pa	000m: 0-1	RANGE: end	shrub
hispidum Sw.					
--var. ellipticifolium Yuncker		PROV: cc	000m: 0-1	RANGE: end	shrub
--var. hispidum		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1,1-2	RANGE: ang cag cr sag ven	shrub
--var. trachydermum (Treil.) Yuncker					
humorigaudens Treil.		PROV: ca cc cn pa	000m: 0-1	RANGE: ang cag sag	shrub
imperiale (Miq.) C. DC.		PROV: cc	000m: 0-1	RANGE: end	shrub
		PROV: ca cc ch cn da pa sa	000m: 0-1,1-2	RANGE: cr	shrub tree
infraluteum Treil.		PROV: wp	000m: we	RANGE: end	shrub
*jacquemontianum Kunth		PROV: bo ca cn	000m: 0-1	RANGE: cr his mex pr	shrub
*lacunosum H.B.K.		PROV: ch	000m: 2-3	RANGE: col cr	shrub tree
*lanceaefolium H.B.K.		PROV: ch	000m: 1-2,2-3	RANGE: col cr ecu	shrub
latibracteum C. DC.		PROV: da	000m: 0-1,1-2	RANGE: wr	shrub
leptocladum C. DC.		PROV: ca cn pa	000m: 0-1	RANGE: cr	shrub
*littorale C. DC.		PROV: bo cn	000m: 0-1	RANGE: cc cr	shrub
lucigaudens C. DC.		PROV: bo ca cc ch vr	000m: 0-1,2-3	RANGE: end	shrub tree
--var. allenii (Treil.) Yuncker		PROV: da	000m: 0-1	RANGE: end	tree
magnantherum C. DC.		PROV: da	000m: 0-1	RANGE: end	shrub?
marginatum Jacq.					
--var. anisatum (H.B.K.) C. DC.		PROV: ch da pa	000m: 0-1	RANGE: ang cag sag?	shrub
--var. catalpaefolium (H.B.K.) C. DC.		PROV: ca da pa	000m: 0-1	RANGE: ang cag sag?	shrub
--var. clausum Yuncker		PROV: ca pa	000m: 0-1	RANGE: wr	herb
--var. marginatum		PROV: ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: ang cag ecu sag? sao	shrub tree
maxonii C. DC.		PROV: ch	000m: 1-2	RANGE: cr	shrub tree
--var. varium (Treil.) Yuncker		PROV: ch	000m: 1-2	RANGE: end	shrub
minute-scabiosum Treil.		PROV: cc cn vr	000m: 0-1	RANGE: end	shrub tree
*multiplinervium C. DC.		PROV: ca da pa vr	000m: 0-1,1-2	RANGE: col cr ven	climber shrub
*munchanum C. DC.		PROV: da	000m: 0-1	RANGE: ven	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
53 (34) PIPERACEAE cont.					
*nudifolium C. DC.		PROV: bo co ch cn da pa sa	000m: 0-1, 1-2	RANGE: col or nic	herb subshrub
*obliquum R. & P.		PROV: bo ca co ch cn da pa sa vr	000m: 0-1, 1-2, 2-3	RANGE: cr gua gui pr	shrub tree
*otophorum C. DC.		PROV: ca cn da pa sa	000m: 0-1	RANGE: cr	shrub
*ottoniaefolium C. DC.		PROV: cn da pa vr	000m: 0-1, 1-2	RANGE: col	shrub
*palmatum Dressler		PROV: cn	000m: 0-1	RANGE: end	herb
peracuminatum C. DC.		PROV: bo ca co ch da pa vr	000m: 0-1	RANGE: cr	shrub tree
perbrevecaule Yuncker					
-var. perbrevecaule		PROV: bo vr	000m: 0-1	RANGE: end	subshrub
-var. subglaberrimum Yuncker		PROV: bo	000m: 0-1	RANGE: end	subshrub
perlasense Yuncker		PROV: ca da pa	000m: 0-1	RANGE: end	shrub
persubulatum C. DC.		PROV: cn	000m: 0-1	RANGE: end	shrub
peruligerum Treil.		PROV: bo	000m: 0-1	RANGE: end	shrub
pervelutinum Treil.		PROV: vp	000m: ve	RANGE: vr	shrub?
pervenosum C. DC.		PROV: sa	000m: 0-1	RANGE: end	shrub
phytolaccaefolium Opiz		PROV: bo co ch da pa	000m: 0-1, 1-2	RANGE: col or ecu	shrub
pinogense Treil.		PROV: ca ch da la	000m: 0-1	RANGE: end	shrub tree
pittieri C. DC.		PROV: bo co cn	000m: 0-1, 1-2, 2-3	RANGE: cr	shrub
*posanum C. DC.		PROV: ch	000m: 1-2, 2-3	RANGE: cr	shrub
pseudo-castaleense Treil.		PROV: cn	000m: 0-1	RANGE: end	shrub
*pseudo-fuligineum C. DC.		PROV: ca co ch cn da pa sa vr	000m: 0-1, 1-2, 3+	RANGE: cag cr sex sag? ven	shrub
pseudo-garagaranum Treil.		PROV: ca co cn da pa	000m: 0-1	RANGE: end	shrub
pubistipulum C. DC.		PROV: ca co cn pa	000m: 0-1	RANGE: end	shrub
reptabundum C. DC.		PROV: bo	000m: 0-1	RANGE: cr	shrub
reticulatum L.		PROV: bo ca co ch cn da pa sa	000m: 0-1	RANGE: ang cag col ecu per sag seo ven	shrub tree
*riparens C. DC.		PROV: co ch pa vr	000m: 0-1, 1-2	RANGE: cr nic	shrub
sambuanum C. DC.		PROV: da	000m: 0-1	RANGE: end	shrub?
*sancti-felidis Treil.		PROV: bo ca co ch cn da pa vr	000m: 0-1	RANGE: ang or hon	shrub
*scandens Treil. & Yuncker		PROV: da sa	000m: 0-1	RANGE: col	shrub
*scutellum C. DC.		PROV: vr	000m: 0-1	RANGE: vr	shrub
septuplinervium (Miq.) C. DC.		PROV: cn	000m: 0-1	RANGE: end	shrub?
-var. subgubinnervium Yuncker		PROV: vp	000m: ve	RANGE: end	shrub
*setosum Treil. & Yuncker		PROV: da	000m: 1-2	RANGE: col	shrub
*silvavagum C. DC.		PROV: bo	000m: 0-1	RANGE: cr	shrub
*sinugaudens C. DC.		PROV: vr	000m: 0-1	RANGE: vr	shrub
*sternii Yuncker		PROV: ca da	000m: 0-1, 1-2	RANGE: sat	tree shrub
stevensii Treil.		PROV: ca	000m: 0-1	RANGE: end	shrub?
storkii Treil.		PROV: bo	000m: 0-1	RANGE: end	shrub?
subcaudatum Treil.		PROV: bo da vr	000m: 0-1	RANGE: end	shrub?
*subpedale Treil. & Yuncker		PROV: pa vr	000m: 0-1	RANGE: vr	shrub
subquiquenerve Treil.		PROV: bo	000m: 0-1	RANGE: end	shrub?
subrepens Treil.		PROV: co	000m: 0-1	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
53 (34) PIPERACEAE cont.					
tecumense Trel.		PROV: pa	000m: 0-1	RANGE: end	shrub
tenuimucronatum C. DC.		PROV: ch	000m: 1-2	RANGE: cr	shrub
*terrabanum C. DC.		PROV: bo pa sa vr	000m: 0-1	RANGE: cr	shrub
--var. retrohirsutum (Yuncker) D'Arcy		PROV: bo	000m: 0-1	RANGE: end	herb
*tricuspe (Miq.) C. DC. cult.		PROV: da	000m: 0-1	RANGE: wr	shrub
*trigonum C. DC.		PROV: bo cc cn da sa	000m: 0-1, 1-2	RANGE: col cr	shrub
tuberculatum Jacq.		PROV: ca cc ch cn da	000m: 0-1	RANGE: ang cag cr mex per	shrub
--var. minus C. DC.		lo pa sa		sao sat	tree
*umbricola C. DC.		PROV: ca cc	000m: 0-1	RANGE: ang cag sat	shrub
*urostachyum Hemsl.		PROV: ch	000m: 2-3	RANGE: cr	shrub
var. litrichum Yuncker		PROV: bo cc da sa	000m: 0-1	RANGE: cr nic	shrub
veraguense C. DC.		PROV: da	000m: 0-1	RANGE: end	shrub
		PROV: wp	000m: 0-1	RANGE: col cr ecu ven	shrub
via-chicoense Yuncker		PROV: ca da pa	000m: 0-1	RANGE: end	tree?
villiramulum C. DC.					shrub?
--var. gamboanum (C. DC.) Trel.		PROV: ca da pa	000m: 0-1	RANGE: wr	shrub
--var. villiramulum		PROV: bo ca ch cn da	000m: 0-1	RANGE: cr nic	shrub
		lo pa sa			tree
*virgulatorum C. DC.		PROV: wp	000m: 0-1	RANGE: cr	shrub
viridicaule Trel.		PROV: ca	000m: 0-1	RANGE: end	shrub
wagneri C. DC.		PROV: ch	000m: 1-2	RANGE: end	shrub
*xanthostachyum C. DC.		PROV: bo ch da pa	000m: 0-1, 1-2, 2-3	RANGE: cr	climb
					shrub
*yucatanense C. DC.		PROV: bo ca pa	000m: 0-1	RANGE: cag mex	shrub
Pothomorphe					
peltata (L.) Miq.		PROV: bo ca cc ch cn	000m: 0-1, 1-2	RANGE: ang cag cr nwt per	shrub
		da lo pa sa		sao sat	subshrub
umbellata (L.) Miq.		PROV: cc ch pa vr	000m: 0-1, 1-2	RANGE: ang bol cag cr mex	shrub
				per sao sat	
Sarcorhachis					
naranjoana (C. DC.) Trel.		PROV: cc ch da pa	000m: 0-1, 1-2	RANGE: cr ecu	climb
					shrub
*Trianaeopiper					
*confertinodum Trel. & Yuncker		PROV: vr	000m: 0-1	RANGE: wr	shrub
54 (35) CHLORANTHACEAE					
Hedyosmum					
*bonplandianum H.B.K.		PROV: bo cc ch pa	000m: 0-1, 1-2	RANGE: col cr nic	tree
brenesii Standl.		PROV: bo ch da	000m: 0-1, 1-2	RANGE: cr hon nic	shrub
*burgerianum D'Arcy & Liesner		PROV: ch	000m: 1-2	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
54 (35) CHLORANTHACEAE cont.					
*correanum D'Arcy & Liesner		PROV: ch	000m: 1-2	RANGE: end	shrub tree
*costaricense Wood		PROV: ch vr	000m: 1-2,2-3	RANGE: cr	shrub
*gentryi D'Arcy & Liesner		PROV: da	000m: 1-2	RANGE: col ven	tree
*goudotianum		PROV: ch	000m: 1-2,2-3	RANGE: cr nic sat	shrub
*mexicanum Cord.		PROV: ch	000m: 2-3	RANGE: cag mex	shrub
scaberrimum Standl.		PROV: cc sa	000m: 0-1	RANGE: col cr nic	shrub tree

55 (36) LACISTEMATACEAE

Lacistema					
aggregatum (Berg) Rusby		PROV: bo ca cc cn da he lo pa vr	000m: 0-1	RANGE: ang bol cag? mex per sag? sao	shrub tree
Lozania					
*mustisiana R. & S.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub tree
*pittieri (Blake) L.B. Sm.		PROV: bo ca cn pa sa vr	000m: 0-1,1-2	RANGE: col cr mex ven	shrub tree

56 (37) SALICACEAE

Salix					
humboldtiana Willd.		PROV: ch	000m: 1-2	RANGE: cag mex sag	shrub tree

57 (38) MYRICACEAE

Myrica					
*cerifera L.		PROV: ch	000m: 2-3	RANGE: fla mex nas	tree
mexicana Willd.		PROV: cc pa	000m: 0-1	RANGE: cag mex	tree

60 (39) JUGLANDACEAE

Alfaroa					
costaricensis Standl.		PROV: ch vr	000m: 1-2	RANGE: cr gua mex	shrub tree
*williamsii A. Molina		PROV: ch	000m: 1-2	RANGE: cr	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
60 (39) JUGLANDACEAE cont.					
*Oreomunnea *mexicana (Standl.) Leroy		PROV: cc ch	000m: 0-1,1-2	RANGE: gua mex nic	shrub tree
61 (40) BETULACEAE					
Ainus *acuminata H.B.K.		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
62 (41) FAGACEAE					
Quercus					
copeyensis C.H. Mull.		PROV: ch	000m: 2-3	RANGE: cr	tree
corrugata Hook.		PROV: ch	000m: 2-3	RANGE: cag? cr mex	tree
davidsoniae Standl.		PROV: ch	000m: 1-2	RANGE: cr	tree
guillemi-treleasei C.H. Mull.		PROV: ch	000m: 1-2	RANGE: cr	tree
humboldtii Bonpl.		PROV: da	000m: 1-2	RANGE: col	tree
*insignis Mart. & Gal.		PROV: ch	000m: 1-2	RANGE: cr	tree
oocarpa Liebm.		PROV: ch	000m: 1-2	RANGE: cag? mex	tree
*pilarius Trell.		PROV: ch	000m: 1-2	RANGE: cr mex	tree
*rapurahuensis Trell.		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
seemannii Liebm.		PROV: ch	000m: 2-3	RANGE: cr	tree
seibertii C.H. Mull.		PROV: ch	000m: 1-2	RANGE: cr	tree
63 (42) ULMACEAE					
Ampelocera					
*edentula Kuhl.		PROV: cn	000m: 0-1	RANGE: bol ven	tree
hottlei (Standl.) Standl.		PROV: cn da pa sa	000m: 0-1	RANGE: cag	tree
Celtis					
iguanaeus (Jacq.) Sarg.		PROV: ca da pa	000m: 0-1	RANGE: ang cag? mex sag? sao	shrub tree
*schippii Standl.		PROV: ca	000m: 0-1	RANGE: ecu	tree
Lozanella					
enantiophylla (J.D. Sm.) Killip & Mort.		PROV: ch	000m: 1-2	RANGE: cag? mex per sag?	tree
Trema					
micrantha (L.) Blume		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1,1-2,2-3	RANGE: cag nwt sat	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
63 (42) ULMACEAE cont.					
<i>Ulmus</i> <i>mexicana</i> (Liebm.) Planch.		PROV: ch	000m: 1-2	RANGE: cag mex	tree
64 (43) MORACEAE					
<i>*Artocarpus</i>					
<i>*altilis</i> (Park.) Fosb.	cult.	PROV: ca	000m: 0-1	RANGE: oce	tree
<i>*tonkinensis</i> R. Chev.	intr.	PROV: ca	000m: 0-1	RANGE: asi	tree
<i>Batocarpus</i>					
<i>*costaricensis</i> Standl. & L.O. Wms.		PROV: da	000m: 0-1	RANGE: cr	tree
<i>orinocensis</i> Karst.		PROV: bo	000m: 0-1	RANGE: col per	tree
<i>Brosimum</i>					
<i>alicastrum</i> Sw.		PROV: bo ca ch da lo pa	000m: 0-1	RANGE: cag? cub ecu jam mex sag?	tree
<i>*--subsp. boliviensis</i> (Pitt.) C. Berg					
<i>bernadetteae</i> Woods.		PROV: ca ch da lo pa	000m: 0-1	RANGE: cr gui sao sat	tree
<i>costaricanum</i> Liebm.		PROV: ca da pa	000m: 0-1	RANGE: end	tree
<i>guianense</i> (Aubl.) Huber		PROV: ca ch	000m: 0-1	RANGE: cr	tree
<i>*lactescens</i> (S. Moore) Berg		PROV: bo cn da pa sa	000m: 0-1	RANGE: bel cag? ven	tree
<i>*rubescens</i> Taub.		PROV: bo	000m: 0-1	RANGE: bel bol per sao ven	tree
<i>terrabanum</i> Pitt.		PROV: cc cn pa sa	000m: 0-1	RANGE: col per sao	tree
<i>utile</i> (H.B.K.) Pitt.		PROV: bo	000m: 0-1	RANGE: cr gua? sal?	tree
		PROV: sa	000m: 0-1	RANGE: col cr	tree
<i>*Cannabis</i>					
<i>*sativa</i> L.	intr. cult.	PROV: ch	000m: 1-2	RANGE: wdw	herb
<i>Castilla</i>					
<i>elastica</i> Cerv.		PROV: bo ca cc da pa	000m: 0-1	RANGE: cag? col ecu mex	tree
<i>*--var. costaricana</i> (Liebm.) C. Berg		PROV: ca	000m: 0-1	RANGE: cr	tree
<i>tunu</i> Hemsl.		PROV: da sa	000m: 0-1	RANGE: bel cag?	tree
<i>Cecropia</i>					
<i>*garciae</i> Standl.		PROV: cn pa	000m: 0-1, 1-2	RANGE: sat	tree
<i>*hispidissima</i> Cuatr.		PROV: cn pa	000m: 0-1	RANGE: wr	tree
<i>*insignis</i> Liebm.		PROV: bo ca lo pa	000m: 0-1	RANGE: col col cr cr nic	tree
<i>longipes</i> Pitt.		PROV: ca da pa	000m: 0-1	RANGE: end	tree
<i>maxonii</i> Pitt.		PROV: ch	000m: 1-2	RANGE: end	tree
<i>obtusifolia</i> Bertol.		PROV: bo ca cn da da lo pa vr	000m: 0-1	RANGE: cag? mex sag?	tree
<i>peltata</i> L.		PROV: ca cn da lo pa pa sa vr	000m: 0-1	RANGE: cag? gag mex sag?	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
64 (43) MORACEAE cont.					
*scutata Cuatr.		PROV: pa vr	000m: 0-1	RANGE: wr	tree
Chlorophora tinctoria (L.) Gaud.		PROV: ca ch da he lo pa	000m: 0-1	RANGE: ang cag? mex sag? sao	tree
Clarisia					
*biflora R. & P.		PROV: cc ch cn pa	000m: 0-1	RANGE: col cr mex per	tree
*racemosa R. & P.		PROV: ch	000m: 0-1	RANGE: gui per	shrub
Coussapoa					
*asperifolia Trecul					
*--subsp. magnifolia (Trecul) Akkermans & Berg		PROV: ca	000m: 0-1	RANGE: per sag? sao	tree
brevipes Pitt.		PROV: pa sa	000m: 0-1	RANGE: end	epiph shrub
*crassivenosa Mildbr.		PROV: pa	000m: 0-1	RANGE: bol ecu	tree
*echinata Akkermans & Berg		PROV: pa	000m: 0-1	RANGE: wr	hemiep tree
*glaberrima Burger		PROV: sa	000m: 0-1	RANGE: wr	wh
*ovalifolia Turcz.		PROV: da	000m: 1-2	RANGE: wr	tree
panamensis Pitt.		PROV: bo ca cn pa	000m: 0-1	RANGE: cag? mex sag?	tree
*parviceps Standl.		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: wr	epiph tree
*villosa P. & E.		PROV: ca	000m: 0-1	RANGE: cr hon	epiph shrub tree
Dorstenia					
contrajerva L.		PROV: bo ca cc da pa	000m: 0-1,1-2	RANGE: ang cag? mex sag?	herb
*panamensis C. Berg		PROV: cn	000m: 0-1	RANGE: wr	herb
Ficus					
americana Aubl.		PROV: ca cn he pa vr	000m: 0-1,1-2	RANGE: ecu hon lag per	epiph tree
*benghalensis L.	cult.	PROV: ca	000m: 0-1	RANGE: owt	tree
*benjamina L.	cult.	PROV: ca	000m: 0-1	RANGE: owt	tree
bullenei I.M. Johnst.		PROV: ca da pa	000m: 0-1	RANGE: cr	tree
*cervantesiana Standl. & L.O. Wms.		PROV: cn	000m: 0-1	RANGE: cr	climber
citrifolia Mill.		PROV: ca da pa	000m: 0-1,1-2	RANGE: ang? cag? col fla gag gui hon sag? sao ven	tree
*colubrinae Standl.		PROV: bo ca cc cn da pa sa vr	000m: 0-1,1-2	RANGE: bel gua	hemiep tree
*coronaria King	cult.	PROV: ca	000m: 0-1	RANGE: owt	tree
costaricana (Liebm.) Miq.		PROV: ca ch	000m: 0-1	RANGE: cag? cr gua	tree
davidsoniae Standl.		PROV: cc ch	000m: 0-1	RANGE: cag? sal	tree
dendrocida H.B.K.		PROV: pa	000m: 0-1	RANGE: col	tree
*dugandii Standl.		PROV: ca cc cn	000m: 0-1	RANGE: col cr ven	hemiep tree
*elastica Hornem.	intr. cult.	PROV: ca	000m: 0-1	RANGE: owt	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
64 (43) MORACEAE cont.					
eximia Spr.		PROV: cc	000m: 0-1	RANGE: wr	tree
glabrata H.B.K.		PROV: ca	000m: 0-1	RANGE: cag	tree
hartwegii (Miq.) Miq.		PROV: bo ca cc	000m: 0-1	RANGE: col gua	tree
insipida Willd.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: cag mex sag? sao	tree
*lutea Vahl	cult.	PROV: ca	000m: 0-1	RANGE: afr	tree
macbridei Standl.		PROV: bo cn	000m: 0-1	RANGE: cr per sat	tree
maxima Mill.		PROV: bo ca cc pa	000m: 0-1	RANGE: cag? cub jam mex sag?	tree
*microcarpa L. f.		PROV: ca cc	000m: 0-1	RANGE: sat	tree
nymphaeaeifolia Mill.		PROV: ca cn da vr	000m: 0-1	RANGE: col cr sag? sao trt ven	tree
obtusifolia H.B.K.		PROV: ca sa vr	000m: 0-1,1-2	RANGE: cag? col cr gua mex per sag?	tree
*oerstediana (Miq.) Miq.		PROV: cc cn da pa	000m: 0-1	RANGE: hon	tree
paraensis (Miq.) Miq.		PROV: ca cn da pa	000m: 0-1	RANGE: cag? mex per sag? sao	shrub tree
perforata L.		PROV: ca cc ch da lo pa vr	000m: 0-1	RANGE: bah cag? col gag gua	shrub tree
pertusa L. f.		PROV: bo ca ch	000m: 0-1,1-2	RANGE: jam mex sao	tree
popenoei Standl.		PROV: ca cc pa	000m: 0-1	RANGE: bel cag? col	tree
*retusa L.	cult.	PROV: ca da he	000m: 0-1	RANGE: owt	tree
*schippii Standl.		PROV: bo cn pa	000m: 0-1	RANGE: sat	tree
tonduzii Standl.		PROV: ca ch	000m: 0-1	RANGE: col cr ecu hon	tree
trachelosyce Dugand		PROV: ch	000m: 0-1	RANGE: col cr	tree
trigonata L.		PROV: ca cc ch da pa	000m: 0-1	RANGE: col gag mex	tree
tuerckheimii Standl.		PROV: bo ca cc ch he lo	000m: 0-1	RANGE: bel cag?	tree
*turrialbana Burger		PROV: cc	000m: 0-1	RANGE: cr	tree
*yoponensis Desv.		PROV: ca ch	000m: 0-1	RANGE: col mex ven	tree
*zarzalensis Dugand		PROV: da	000m: we	RANGE: wr	tree
*Helicostylis					
*tomentosa (P. & E.) Rusby		PROV: bo	000m: 0-1	RANGE: sat	shrub
*tovarensis (Kl. & Karst.) Berg		PROV: da vr	000m: 1-2	RANGE: sat	tree
Maquira					
*costaricana (Standl.) C. Berg.		PROV: bo ca da pa sa	000m: 0-1	RANGE: cr nic per	tree
*Morus					
*insignis Bur.		PROV: ch	000m: 1-2,2-3	RANGE: col cr ven	tree
*Naucleopsis					
*ulei (Warb.) Ducke		PROV: cn pa	000m: 0-1	RANGE: sat	treelet
Olmedia					
aspera R. & P.		PROV: bo ca cc ch cn da lo pa	000m: 0-1	RANGE: bol cr sat	tree shrub
Perebea					
*angustifolia (P. & E.) C. Berg		PROV: cn da pa sa	000m: 0-1	RANGE: cag sat	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
64 (43) MORACEAE cont.					
guianensis Aubl.		PROV: bo ca pa sa	000m: 0-1	RANGE: bol sag? sao	tree
xanthochyma Karst.		PROV: bo ca cn da pa sa	000m: 0-1,1-2	RANGE: col cr per	tree
Poulsenia					
armata (Miq.) Standl.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: cag mex sat	tree
Pourouma					
*guianensis Aubl.		PROV: da	000m: 0-1	RANGE: bel col gui ven	tree
johnstonii Woods.		PROV: ca	000m: 0-1	RANGE: wr	tree
*minor Benoist		PROV: cc	000m: 0-1	RANGE: cr	tree
oraria Standl. & Cuatr.		PROV: wp	000m: we	RANGE: col	tree
radula Benoist		PROV: wp	000m: we	RANGE: gui sag?	tree
scobina Benoist		PROV: cc da	000m: 0-1	RANGE: cag? gua gui sag?	tree
Pseudolmedia					
*laevigata Trec.		PROV: da	000m: 1-2	RANGE: sat	tree
spuria (Sw.) Griseb.		PROV: bo	000m: 0-1	RANGE: ang bel cag? sag?	tree
Sorocea					
affinis Hemsl.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: col?	tree
*cufodontisii Burger		PROV: bo ch	000m: 0-1	RANGE: cr	tree
*faustiana Cuatr.		PROV: pa	000m: 0-1	RANGE: wr	tree
pubivena Hemsl.		PROV: bo ch	000m: 0-1	RANGE: cr	tree
*trophoides Burger					
*--subsp. trophoides		PROV: ch vr	000m: 1-2	RANGE: cr	tree
Trophis					
*mexicana (Liebm.) Bur.		PROV: vr	000m: 0-1	RANGE: cag	tree
racemosa (L.) Urb.		PROV: bo ca cc ch cn da pa vr	000m: 0-1	RANGE: cag? mex sag?	tree
65 (44) URTICACEAE					
Boehmeria					
aspera Wedd.		PROV: ch	000m: 1-2	RANGE: cr per sag?	shrub herb
cylindrica (L.) Sw.		PROV: bo ca ch	000m: 0-1,1-2	RANGE: ang cag mex nag? nao sao	herb
*nivea Gaud.		PROV: pa	000m: 0-1	RANGE: col sao	shrub
pavonii Wedd.		PROV: ch	000m: 1-2	RANGE: bol gua per	shrub tree
*ramiflora Jacq.		PROV: pa vr	000m: 0-1,1-2	RANGE: ang cag cr mex sat	shrub herb
ulmifolia Wedd.		PROV: bo ch da vr	000m: 0-1,1-2,2-3,3+	RANGE: cag mex	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
65 (44) URTICACEAE cont.					
*Laportea					
*aestuans (L.) Chew		PROV: bo ca ch cn da he pa vr	000m: 0-1	RANGE: wdt	herb
Myriocarpa					
*longipes Liebm.		PROV: bo ca cc ch cn da lo pa vr	000m: 0-1,1-2	RANGE: cag? gua sat	treelet shrub
Phenax					
angustifolius (H.B.K.) Wedd.		PROV: bo cc da pa	000m: 0-1	RANGE: bol cr per sag?	shrub herb
mexicanus Wedd.		PROV: bo cc ch da lo vr	000m: 0-1,1-2,2-3	RANGE: cag mex	shrub
rugosus (Poir.) Wedd.		PROV: ch pa	000m: 0-1,1-2	RANGE: bol cag mex sag? ven	shrub
*sonneratii (Poir.) Wedd.		PROV: bo ca cn pa	000m: 0-1,1-2	RANGE: ang cag	shrub
Pilea					
acuminata Liebm.		PROV: cc ch vr	000m: 0-1	RANGE: cag col mex	herb
auriculata Liebm.		PROV: ch	000m: 1-2,2-3	RANGE: cr gua mex	herb
*basslerigna Killip		PROV: cc cn da	000m: 0-1,1-2	RANGE: sat	herb
*centradenoides Seem.		PROV: da	000m: 1-2	RANGE: sat	herb
chiriquina Killip		PROV: bo ch	000m: 1-2,2-3	RANGE: end	herb
cornmanae Killip		PROV: ch	000m: 1-2	RANGE: cr	herb
*cornuto-cucullata Cufod.		PROV: ch	000m: 2-3,3+	RANGE: cr	epiph herb
*costaricensis J.D. Sm.		PROV: bo da	000m: 0-1,1-2	RANGE: cr	shrub
*daguensis Killip		PROV: cn	000m: 0-1	RANGE: sat	herb
*diversissima Killip		PROV: cc ch cn	000m: 0-1	RANGE: cr	herb
donnell-smithiana Killip		PROV: bo cc ch lo pa vr	000m: 0-1,1-2	RANGE: cr	herb
*fasciata Wedd.		PROV: ca cn da pa vr	000m: 0-1	RANGE: sat	herb
gracilipes Killip		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag? gua	herb
*herniarioides (Sw.) Wedd.		PROV: da pa	000m: 0-1	RANGE: ang cr fla	herb
hyalina Fenzl		PROV: bo ca ch da	000m: 0-1,1-2	RANGE: cag? lag mex sag? sao	herb
imparifolia Wedd.		PROV: cc cn da da pa vr	000m: 0-1,1-2	RANGE: col gui per sao	herb
involucrata (Sims) Urb.	cult.	PROV: ca cn sa	000m: 0-1	RANGE: ang col ven	herb
*latifolia Wedd.		PROV: cc cn da	000m: 0-1,1-2	RANGE: sat	herb
microphylla (L.) Liebm.	cult.	PROV: bo ca cc ch cn da pa sa	000m: 0-1,1-2,2-3	RANGE: nwt	herb
nummularifolia (Sw.) Wedd.					
	intr. cult. nat.				
		PROV: ca da	000m: 0-1	RANGE: ang cag? per ven	herb
pallida Killip		PROV: bo cc	000m: 0-1,1-2	RANGE: cr	herb
*pansamalana J.D. Sm.		PROV: ch	000m: 2-3	RANGE: gua	herb
parietaria (L.) Blume		PROV: bo ch cn	000m: 0-1,1-2,3+	RANGE: ang cag? gua	herb
*pittieri Killip		PROV: pa	000m: 0-1	RANGE: cr	herb
ptericiada J.D. Sm.		PROV: bo ca cc da	000m: 0-1	RANGE: cr	herb
*pteropodon Wedd.		PROV: cc da vr	000m: 0-1,1-2	RANGE: sat	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
65 (44) URTICACEAE cont.					
pubescens Liebm.		PROV: bo cc ch da vr	000m: 0-1,1-2	RANGE: nwt	herb
*purulensis J.D. Sm.		PROV: ch	000m: 1-2	RANGE: gua	herb
*rhombifolia Killip		PROV: cc cn	000m: 0-1	RANGE: sat	herb
rugosissima Killip		PROV: ch	000m: 1-2	RANGE: end	herb
*seemannii Killip		PROV: da	000m: 0-1	RANGE: wr	herb
trianaeana Wedd.		PROV: cc pa	000m: 0-1	RANGE: col	herb
Pouzolzia					
guatemalana (Blume) Wedd.		PROV: bo	000m: 0-1	RANGE: cag? gua	shrub
obliqua (Poepp.) Wedd.		PROV: bo ca cn da pa	000m: 0-1	RANGE: cag? gua per ven	shrub
		sa vr			tree
occidentalis (Liebm.) Wedd.		PROV: ca da pa	000m: 0-1	RANGE: cag? col hon pr ven	shrub
					tree
Urera					
baccifera (L.) Gaud.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: nwt	herb
		da pa vr			shrub
					tree
caracasana (Jacq.) Griseb.		PROV: bo ca ch cn da	000m: 0-1,1-2	RANGE: cag sag?	shrub
		lo pa vr			tree
*eggersii Hieron.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: bol col cr ecu	climber
		da lo pa sa vr			
elata (Sw.) Griseb.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: col cr jam mex	shrub
		da lo pa vr			tree
laciniata (Goud.) Wedd.		PROV: ca	000m: 0-1	RANGE: cr per ven	tree
					shrub
					herb
*Urtica					
*leptophylla H.B.K.		PROV: ch	000m: 2-3,3+	RANGE: col cr ecu	herb

66 (45) PROTEACEAE

Panopsis					
suaveolens (Kl.) Pitt.		PROV: ch	000m: 1-2	RANGE: col cr ecu ven	tree
Roupala					
*glaberrima Pitt.		PROV: ch	000m: 0-1,1-2	RANGE: cr	tree
montana Aubl.		PROV: ca cc ch da he	000m: 0-1	RANGE: nwt	tree
		pa vr			
*percoriacea A. Gentry		PROV: da pa	000m: 0-1	RANGE: end	tree
*suaveolens (Kl.) Pitt.		PROV: pa	000m: 0-1	RANGE: ven	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
67 (46) LORANTHACEAE					
Antidaphne viscoidea P. & E.		PROV: da pa	000m: 0-1,1-2	RANGE: bol cr gua mex per sao	shrub
*Cladocolea					
*oligantha (Standl. & Steyerl.) Kuijt		PROV: pa	000m: 0-1	RANGE: cr gua	parasite
Dendrophthora					
costaricensis Urb.		PROV: ch	000m: 0-1,1-2	RANGE: cr	shrub
*panamensis Kuijt		PROV: pa sa	000m: 0-1	RANGE: end	shrub
*squamigera (Benth.) Kuntze		PROV: ch	000m: 1-2	RANGE: cag col ven	subshrub
Gaiadendron					
*lanceolatum (R. & P.) Baehni		PROV: ch	000m: 0-1,2-3,3+	RANGE: wr	climber
*punctatum (R. & P.) G. Don		PROV: ch	000m: 1-2	RANGE: cr nic per	shrub tree
*Ixocactus					
*hutchisonii Kuijt		PROV: pa	000m: 0-1	RANGE: col ven	shrub
Oryctanthus					
*alveolatus (H.B.K.) Kuijt		PROV: ca cc ch da he	000m: 0-1	RANGE: cag col cr sag sao	shrub
cordifolius (Presl) Urb.		PROV: pa bo ca cc cn pa	000m: 0-1	RANGE: trt cag col	shrub
occidentalis (L.) Eichl.		PROV: pa bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cr ecu gui per	shrub
spicatus (Jacq.) Eichl.		PROV: da pa ch	000m: 1-2	RANGE: sao ang cag sag	shrub
Phoradendron					
*acinacifolium Eichl.		PROV: ch cn	000m: 0-1,1-2,2-3	RANGE: cr sag sao	shrub
*angustifolium (H.B.K.) Nutt.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag	subshrub
*annulatum Oliv.		PROV: ch	000m: 3+	RANGE: cr	shrub
corynarthon Eichl.		PROV: ch	000m: 1-2	RANGE: cr	shrub
*crassifolium (DC.) Eichl.		PROV: ca ch cn da pa	000m: 0-1,1-2	RANGE: cr gua per sao	shrub
*dichotomum (Bert.) Krug & Urb.		PROV: vr			
*dipterum Eichl.		PROV: pa vr	000m: 0-1,1-2	RANGE: cr	shrub
*flavens (Sw.) Griseb.		PROV: lo	000m: 0-1	RANGE: cr mex sat	shrub
*guascanum Trel.		PROV: da	000m: 0-1	RANGE: cr gua nic	shrub
*jenmanii Trel.		PROV: pa	000m: 0-1	RANGE: wr	shrub
		PROV: vr	000m: 0-1	RANGE: ecu sao ven	parasite
mucronatum (DC.) Krug & Urb.		PROV: cc pa	000m: 0-1	RANGE: ang cag sag sao	shrub
*obliquum (Presl) Eichl.		PROV: ca da pa	000m: 0-1	RANGE: cr per	shrub
piperoides (H.B.K.) Nutt.		PROV: bo ca cc ch da	000m: 0-1,1-2	RANGE: nwg	shrub
		pa sa			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
67 (46) LORANTHACEAE cont.					
*quadrangulare (H.B.K.) Krug & Urb.		PROV: bo ca cc cn da he lo pa vr	000m: 0-1	RANGE: ang col cr ven	shrub
*robustissimum Eichl.		PROV: cc ch lo pa	000m: 0-1,1-2	RANGE: cr mex ven	shrub
tonduzii Trel.		PROV: ch	000m: 1-2	RANGE: cr	shrub
trinervium Griseb.		PROV: bo	000m: 0-1	RANGE: ang	shrub
undulatum (Pohl) Eichl.		PROV: ch	000m: 1-2	RANGE: bol cr nic sao	shrub
woodsonii Trel.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: end	shrub
Phthirusa					
pittieri Krause		PROV: cn	000m: 0-1	RANGE: end	shrub
pyrifolia (H.B.K.) Eichl.		PROV: ca	000m: 0-1	RANGE: ang col cr ecu gui	shrub
*retroflexa (R. & P.) Kuijt		PROV: bo ca ch he lo pa vr	000m: 0-1	RANGE: ven cr gui per sag sao	shrub
Psittacanthus					
*calyculatus (DC.) G. Don		PROV: cc ch he pa	000m: 0-1,1-2	RANGE: col cr mex ven	shrub
*hamulifer Kuijt		PROV: da	000m: 1-2,2-3	RANGE: end	shrub
*krameri Kuijt		PROV: cc ch cn pa sa vr	000m: 0-1,1-2	RANGE: wr	epiph tree
*nodosus (Desr.) G. Don		PROV: cc ch cn da pa vr	000m: 0-1,1-2,2-3	RANGE: cr ecu	shrub
*pusillus Kuijt		PROV: pa	000m: 0-1	RANGE: end	shrub
*ramiflorus (DC.) G. Don		PROV: bo ca cc cc ch vr	000m: 0-1,1-2	RANGE: cr	parasite shrub
scheryi Woods.		PROV: ch	000m: 1-2	RANGE: cr	shrub
schiedeanus (Cham. & Schlecht.) Blume		PROV: ch	000m: 1-2,2-3	RANGE: cag cr mex	shrub
Struthanthus					
*costaricensis Standl.		PROV: ch cn	000m: 0-1,1-2	RANGE: cr	parasite shrub
*dichotrianthus Eichl.		PROV: bo cc vr	000m: 0-1	RANGE: gui ven	shrub
*leptostachyus (H.B.K.) G. Don		PROV: bo cc cn pa sa vr	000m: 0-1	RANGE: cag cr per sag	shrub
marginatus (Desr.) Blume		PROV: bo ch da	000m: 1-2	RANGE: cr sao	epiph shrub
orbicularis (H.B.K.) Blume		PROV: bo ca cc ch da he lo pa sa vr	000m: 0-1	RANGE: cag col ecu per sao	climber
*panamensis (Rizz.) Barlow & Wiens		PROV: ch	000m: 1-2	RANGE: end	shrub
*quercicola (Cham. & Schlecht.) Blume		PROV: bo ch da vr	000m: 0-1,1-2,2-3	RANGE: cr mex	shrub
rotundatus Rizz.		PROV: ch	000m: 1-2,2-3	RANGE: sat	climber
*woodsonii Cufod.		PROV: bo	000m: 0-1	RANGE: cr	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
71 (47) OPILIAEAE					
Agonandra brasiliensis B. & H.		PROV: cc	000m: 0-1	RANGE: cag sag	tree
72 (48) OLACAEAE					
Heisteria *acuminata (H. & B.) Engl.		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1,1-2	RANGE: col cr mex	shrub tree
concinna Standl.		PROV: ca ch cn da he lo pa vr	000m: 0-1	RANGE: cr	tree
costaricensis J.D. Sm.		PROV: bo ca cn sa	000m: 0-1	RANGE: cr	shrub
*cyanocarpa Poepp.		PROV: bo	000m: 0-1	RANGE: col cr	shrub tree
macrophylla Oerst.		PROV: bo ca cc ch cn pa vr	000m: 0-1,1-2,2-3	RANGE: cag	shrub
*scandens Ducke		PROV: bo ca ch cn	000m: 0-1,1-2	RANGE: cr per sao	shrub tree
Miconia guianensis Aubl.		PROV: bo ca ch	000m: 0-1	RANGE: cr ecu nic sao	tree
Schoepfia schreberi J.F. Gmel.		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: ang cag cr fla sag	shrub tree
*vacciniiflora Hemsl.		PROV: ch	000m: 1-2	RANGE: wr	tree
Ximenesia americana L.		PROV: bo ca ch da he pa	000m: 0-1	RANGE: wdw	tree
73 (49) BALANOPHORAEAE					
Corynaea crassa Hook. f. --var. sprucei (Eichl.) B. Hansen		PROV: ch	000m: 3+	RANGE: bol col cr ecu per ven	parasite
Helosia *cayennensis (Sw.) Spr. *--var. cayennensis		PROV: ca cc da vr	000m: 0-1,1-2	RANGE: bol cag cr mex sag sao	root parasite
*--var. mexicana (Liebm.) B. Hansen		PROV: ch pa	000m: 2-3	RANGE: cag col cub ecu mex	parasite

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
73 (49) BALANOPHORACEAE cont.					
herb					
Langsdorffia hypogaea Mart.		PROV: ch da	000m: 0-1,1-2,2-3	RANGE: cr mex sag? sao	parasite
74 (50) ARISTOLOCHIACEAE					
Aristolochia anguicida Jacq.		PROV: cc lo	000m: 0-1	RANGE: ang col cr gua hon	climber
*constricta Griseb.		PROV: bo cn pa vr	000m: 0-1,1-2	RANGE: nic per sao ven	climber
*cordiflora H.B.K.		PROV: bo ca cc da pa	000m: 0-1	RANGE: cr nic	climber
grandiflora Sw.		PROV: cn da pa	000m: 0-1	RANGE: col gui ven	climber
inflata H.B.K.		PROV: ca cc he pa	000m: 0-1	RANGE: ang cag cr mex	climber
maxima Jacq.		PROV: ca pa	000m: 0-1	RANGE: cag	climber
odoratissima L.		PROV: bo cc da	000m: 0-1	RANGE: cag cr sag	climber
panamensis Standl.		PROV: ca ch cn da	000m: 0-1	RANGE: cag cr sag	climber
*pfeiferi Barringer		PROV: cn	000m: 0-1	RANGE: col mex	subshrub
*pilosa H.B.K.		PROV: bo ca cn da pa	000m: 0-1	RANGE: end	climber
*ringens Vahl	cult.	PROV: pa	000m: 0-1	RANGE: cag cr sat	climber
*tonduzii Schmidt		PROV: ca cc ch da lo	000m: 0-1	RANGE: cr cub gua jam pr	climber
		pa		RANGE: cag cr sat	climber
trilobata L.		PROV: bo ca	000m: 0-1	RANGE: cag cr sag	climber
veraguensis Duchass.		PROV: da vr	000m: 0-1	RANGE: cr sao	climber
75 (50A) RAFFLESIIACEAE					
Apodanthes caseariae Poit.		PROV: ca cc da	000m: 0-1	RANGE: bel cr sat	parasite
*flacourtiae Karst.		PROV: ca	000m: 0-1	RANGE: sat	parasite
Pilostyles blanchetii (Gardn.) R. Br.		PROV: pa	000m: 0-1	RANGE: mex sao ven	parasite
77 (51) POLYGONACEAE					
Antigonon grandiflorum (Bertol.) Robinson		PROV: wp	000m: 0-1	RANGE: ang cr gua mex nic	climber
guatemalense Meisn.	intr. cult.			sal	
leptopus H. & A.	cult.	PROV: lo	000m: 0-1	RANGE: gua	herb
		PROV: ca pa	000m: 0-1	RANGE: ang cag? cr mex	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
77 (51) POLYGONACEAE cont.					
<i>Coccoloba</i>					
* <i>acapulcensis</i> Standl.		PROV: ca cn	000m: 0-1	RANGE: cag mex	tree
<i>acuminata</i> H.B.K.		PROV: ca cc cn da pa	000m: 0-1,1-2	RANGE: col cr ecu gui per	shrub
				sao ven	
* <i>ascendens</i> Lind.		PROV: cc da sa	000m: 0-1	RANGE: lag	climber
<i>caracasana</i> Meisn.		PROV: ca ch lo pa	000m: 0-1	RANGE: col cr gua mex nic	tree
				sal ven	
<i>coronata</i> Jacq.		PROV: ca cc ch cn da	000m: 0-1	RANGE: col gua lag? per trt	shrub
		he pa sa vr		ven	
<i>darienensis</i> Howard		PROV: cc da	000m: 0-1	RANGE: wr	tree
* <i>gentryi</i> Howard		PROV: cn pa	000m: 0-1	RANGE: wr	tree
* <i>johnstonii</i> Howard		PROV: pa	000m: 0-1	RANGE: wr	treelet
<i>lasseri</i> Lund.		PROV: ca cc cn he lo	000m: 0-1	RANGE: end	tree
		pa vr			
<i>lehmannii</i> Lindau		PROV: bo cc da	000m: 0-1	RANGE: col cr ven	tree
<i>manzanillensis</i> Beurl.		PROV: ca cn da pa	000m: 0-1	RANGE: end	tree
* <i>mollis</i> Casar.		PROV: pa sa	000m: 0-1	RANGE: col sao	tree
<i>obovata</i> H.B.K.		PROV: ca cc ch da lo	000m: 0-1	RANGE: col cr	shrub
		pa sa vr			
<i>padiformis</i> Meisn.		PROV: ca	000m: 0-1	RANGE: col cr ven	tree
<i>parimensis</i> Benth.		PROV: ca pa	000m: 0-1	RANGE: col per sao	tree
<i>tuerckheimii</i> J.D. Sm.		PROV: bo cc cn pa	000m: 0-1	RANGE: cr gua hon nic	tree
<i>uvifera</i> (L.) L.		PROV: bo cn sa	000m: 0-1	RANGE: ang cag mex sag?	tree
<i>Muehlenbeckia</i>					
* <i>platyclada</i> Meisn.		PROV: ch	000m: 0-1	RANGE: wr	shrub
<i>tamnifolia</i> (H.B.K.) Meisn.		PROV: ch	000m: 1-2	RANGE: cag col cr mex sag?	climber
				sao	
<i>Polygonum</i>					
<i>acuminatum</i> H.B.K.		PROV: ca cn	000m: 0-1	RANGE: cag gua mex sag sao	herb
<i>convolvulus</i> L.		PROV: ch	000m: 1-2	RANGE: cag eur nag sag	herb
<i>hispidum</i> H.B.K.		PROV: ca ch cn pa	000m: 0-1	RANGE: ang cag sag	aquat herb
<i>hydropiperoides</i> Michx.		PROV: bo ca lo	000m: 0-1	RANGE: cag nag nao sag	herb
<i>punctatum</i> Ell.		PROV: ca cc ch cn da	000m: 0-1,1-2	RANGE: cag nag nao sag sao	herb
		pa			
* <i>segetum</i> H.B.K.		PROV: cn lo	000m: 0-1	RANGE: cag gua mex	aquat herb
<i>Rumex</i>					
<i>acetosella</i> L.		PROV: ch	000m: 0-1,1-2	RANGE: asi cr eur nwg?	herb
<i>crispus</i> L.		PROV: ch	000m: 1-2	RANGE: asi cr eur gua nwg?	herb
* <i>obtusifolius</i> L.		PROV: ch	000m: 2-3,3+	RANGE: bol col cr gua mex	herb
				sao ven	
<i>Ruprechtia</i>					
* <i>costata</i> Meisn.		PROV: bo he pa	000m: 0-1	RANGE: cr gua	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
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77 (51) POLYGONACEAE cont.

Triplaris					
americana L.		PROV: da	000m: 0-1	RANGE: col per sag? sao	tree
cumingiana Fischer & Meyer					
cult.		PROV: ca da pa sa	000m: 0-1	RANGE: col cr ecu sag?	tree

78 (52) CHENOPODIACEAE

Chenopodium					
*album L.	intr.	PROV: ch	000m: 1-2	RANGE: eur nwg	herb
ambrosioides L.		PROV: ch da he pa	000m: 0-1,1-2	RANGE: cag cr mex	herb
murale L.		PROV: pa	000m: 0-1	RANGE: afr asi eur nao nwg?	herb
pratericola Rydb.		PROV: pa	000m: 0-1	RANGE: mex nag? sao	herb

79 (53) AMARANTHACEAE

Achyranthes					
aspera L.		PROV: bo ca cc ch he	000m: 0-1	RANGE: cr gua hon mex sal	herb
		lo pa		wdw	
*tenella Colla		PROV: bo ca ch	000m: 0-1	RANGE: cr	herb
Alternanthera					
*costaricensis Kuntze		PROV: bo cn vr	000m: 0-1	RANGE: cr	herb
halimifolia (Lam.) Standl.		PROV: wp	000m: 0-1	RANGE: ang cag? col gal mex	herb
				sao	
laguroides (Standl.) Standl.		PROV: vr	000m: 0-1,1-2	RANGE: cag? gua	herb
*lanceolata (Benth.) Schinz		PROV: wp	000m: 1-2	RANGE: col cr gua	herb
mexicana (Schlecht.) Hieron.		PROV: wp	000m: we	RANGE: cag? col mex	herb
paronychioides St. Hil.		PROV: ca cc ch cn da	000m: 0-1	RANGE: cag? cr mex sag sao	herb
		lo pa			
polygonoides (L.) R. Br.		PROV: lo	000m: 0-1	RANGE: cag? cr mex nag? sag?	herb
				sao	
*pubiflora (Benth.) Kuntze		PROV: ca cn da he lo	000m: 0-1	RANGE: cag mex	herb
		pa			
repens (L.) Gmel.		PROV: wp	000m: we	RANGE: asi eur gua mex	herb
sessilis (L.) R. Br.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cag hon per sag? sao	herb
		da lo			
Amaranthus					
californicus (Moq.) S. Wats.		PROV: pa	000m: 0-1	RANGE: cal	herb
cruentus L.	cult.	PROV: wp	000m: we	RANGE: cag gua mex	herb
dubius Mart.		PROV: bo ca cn da he	000m: 0-1	RANGE: ang cag eur mex sag?	herb
		pa			
hybridus L.		PROV: ch da pa vr	000m: 0-1,1-2	RANGE: ang cag mex nag owg?	herb
				sag	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
79 (53) AMARANTHACEAE cont.					
<i>spinosus</i> L.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1,1-2	RANGE: cag cr mex wdw	herb
<i>viridis</i> L.		PROV: bo ch pa	000m: 0-1	RANGE: nag? owg	herb
<i>Blutaparon</i> * <i>vermiculare</i> (L.) Mears		PROV: bo ca cn sa	000m: 0-1	RANGE: afr bel cr fla mex sag? sao tex	shrub
<i>Celosia</i> <i>argentea</i> L.		intr. cult. PROV: bo ca ch pa	000m: 0-1,1-2	RANGE: afr cag mex	herb
* <i>grandifolia</i> Moq.		PROV: bo ch	000m: 1-2	RANGE: per sao	herb
<i>Chamissoa</i> * <i>acuminata</i> Mart. *--var. <i>maximiliani</i> (Moq.) Sohmer		PROV: bo da	000m: 0-1	RANGE: col cr hon mex nic per sag sao	herb shrub climber
*--var. <i>swansonii</i> Sohmer <i>altissima</i> (Jacq.) H.B.K.		PROV: bo PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1 000m: 0-1	RANGE: cr RANGE: cag mex sag sao	herb shrub climber
<i>Cyathula</i> <i>achyranthoides</i> (H.B.K.) Moq.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: ang cag gua hon mex sag? sao	herb
<i>prostrata</i> (L.) Blume		intr. nat. PROV: bo ca cc ch cn da pa vr	000m: 0-1	RANGE: afr asi	herb
<i>Gomphrena</i> <i>globosa</i> L.		intr. cult. PROV: bo ca	000m: 0-1	RANGE: asi gua wdw?	herb
* <i>serrata</i> L.		PROV: bo ca ch da lo pa sa vr	000m: 0-1	RANGE: ang bol cag? gua mex sao sao	herb
<i>Iresine</i> <i>angustifolia</i> Euphr.		PROV: ca cc cn da he pa	000m: 0-1	RANGE: cag ecu mex sao	herb
<i>completa</i> Uline & Bray <i>diffusa</i> H. & B.		PROV: da PROV: bo ca cc ch da lo pa vr	000m: 0-1 000m: 0-1,1-2,2-3,3+	RANGE: cag? gua RANGE: cag gua nag sag	shrub herb
<i>hassleriana</i> Chod.		PROV: wp	000m: we	RANGE: bol col per sao	shrub
<i>Pfaffia</i> <i>grandiflora</i> (Hook.) R.E. Fries		PROV: da	000m: 0-1,1-2	RANGE: cag? cr gui mex per sag?	herb
<i>paniculata</i> (Mart.) Kuntze intr.		PROV: cc	000m: 0-1	RANGE: per sao sao	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
79 (53) AMARANTHACEAE cont.					
<i>Pleuropetalum</i>					
<i>pleiogynum</i> (Kuntze) Standl.		PROV: ca ch da pa	000m: 0-1	RANGE: cr	herb
<i>sprucei</i> (Hook. f.) Standl.		PROV: bo ch da vr	000m: 0-1,1-2	RANGE: cag mex per sag?	shrub herb shrub
80 (54) NYCTAGINACEAE					
<i>Boerhavia</i>					
<i>coccinea</i> Mill.		PROV: bo ca ch da pa	000m: 0-1	RANGE: afr asi nwg? oce	herb
<i>erecta</i> L.		PROV: sa vr ca ch cn	000m: 0-1	RANGE: afr ang cag nag? sag	herb
* <i>Bougainvillea</i>					
* <i>glabra</i> Choisy		intr. cult. PROV: cc cn pa	000m: 0-1	RANGE: cag sat	shrub
<i>Guapira</i>					
<i>costaricana</i> (Standl.) Woods.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cr	tree
<i>standleyana</i> Woods.		PROV: da lo pa ca da pa sa	000m: 0-1	RANGE: end	tree
* <i>Mirabilis</i>					
* <i>jalapa</i> L.		intr. cult. nat. PROV: ch da he lo pa	000m: 0-1,1-2	RANGE: cr mex	herb
		sa vr			
<i>Neea</i>					
* <i>amplexicaulis</i> Dwyer & Hayden		PROV: da	000m: 0-1	RANGE: end	tree
<i>amplifolia</i> J.D. Sm.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cr	shrub
		da pa sa vr			tree
* <i>darinenensis</i> Dwyer & Hayden		PROV: cn da pa sa	000m: 0-1,1-2	RANGE: end	tree
<i>delicatula</i> Standl.		PROV: ca da lo pa	000m: 0-1	RANGE: cr	shrub
					tree
* <i>elegans</i> Dwyer & Hayden		PROV: da	000m: 0-1	RANGE: end	shrub
<i>laetevirens</i> Standl.		PROV: cc ch cn da pa	000m: 0-1	RANGE: cr	shrub
		vr			
<i>pittieri</i> Standl.		PROV: vr	000m: 0-1	RANGE: wr	tree
<i>psychotrioides</i> J.D. Sm.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: cr mex	shrub
		pa sa			tree
<i>Pisonia</i>					
<i>aculeata</i> L.		PROV: ca cc ch pa	000m: 0-1	RANGE: afr ang asi cag cr ecu sag	shrub climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
81 (55) BATACEAE					
Batis maritima L.		PROV: pa	000m: 0-1	RANGE: ang cag? nao pr sag?	shrub
83 (56) PHYTOLACCACEAE					
Microtea debilis Sw.		PROV: bo ca da pa	000m: 0-1	RANGE: ang cag? gua per sag? sao	herb
Petiveria alliacea L.		PROV: bo ca ch da he lo pa	000m: 0-1,1-2	RANGE: ang cag col fla nao sag sao tex	herb
Phytolacca icosandra L.		PROV: bo ch	000m: 0-1,1-2	RANGE: ang cag cr ecu mex sag?	herb
rivinioides Kunth & Bouche		PROV: bo cc ch cn da lo pa sa vr	000m: 0-1,1-2	RANGE: ang bol cag mex sag? herb	shrub
rugosa Br. & Bouche		PROV: bo ch	000m: 1-2,2-3	RANGE: cag col cr mex	herb
Rivina humilis L.		PROV: bo cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: ang cag cr fla mex nag? nao sag sao tex	shrub herb
*Seguiera *aculeata Jacq.		PROV: da	000m: 0-1	RANGE: per sao sat	shrub
*macrophylla Benth.		PROV: da	000m: 0-1	RANGE: per sao sat	climber
Trichostigma octandrum (L.) H. Walt.		PROV: bo ca da	000m: 0-1,1-2	RANGE: ang cag cr fla mex nao sag sao ven	shrub climber
polyandrum (Loes.) H. Walt.		PROV: bo da pa	000m: 0-1	RANGE: cr nic	shrub climber
84 (57) AIZOACEAE					
Mollugo verticillata L.		PROV: bo ca pa	000m: 0-1	RANGE: wdw	herb
Sesuvium portulacastrum (L.) L.		PROV: bo ca cn he pa sa	000m: 0-1	RANGE: wdw	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
84 (57) AIZOACEAE cont.					
<i>Trianthema portulacastrum</i> L.		PROV: ca ch pa	000m: 0-1	RANGE: wdw	herb
85 (58) PORTULACACEAE					
<i>Portulaca oleracea</i> L.		PROV: bo ca cc ch cn da lo pa	000m: 0-1	RANGE: cag	herb
* <i>pilosa</i> L.		PROV: cc ch cn da pa	000m: 0-1	RANGE: ang cag mex nas sag	herb
<i>Talinum paniculatum</i> (Jacq.) Gaertn.		PROV: pa	000m: 0-1	RANGE: ang asi cag nas sag	herb
* <i>triangulare</i> (Jacq.) Willd.		PROV: ch pa	000m: 0-1	RANGE: ang cr mex	herb
86 (58A) BASELLACEAE					
<i>Anredera vesicaria</i> (Lam.) Gaertn. f.		PROV: pa	000m: 0-1	RANGE: ang cag per sag	climber
<i>Basella alba</i> L.		intr. cult. PROV: ca da	000m: 0-1	RANGE: asi	herb climber
87 (59) CARYOPHYLLACEAE					
<i>Arenaria lanuginosa</i> (Mich.) Rohrb.					
--var. <i>guatemalensis</i> (Standl. & Steyerl.) Duke		PROV: ch	000m: 1-2	RANGE: cag mex	herb
--var. <i>saxosa</i> (A. Gray) Maguire		PROV: ch	000m: 2-3, 3+	RANGE: mex nag? sag?	herb
--subsp. <i>lanuginosa</i>		PROV: ch	000m: 1-2, 2-3, 3+	RANGE: bol cag mex nas per sao	herb
<i>Cerastium glomeratum</i> Thuill.		PROV: ch	000m: 1-2, 2-3, 3+	RANGE: cag eur mex nas	herb
* <i>triviale</i> Link		PROV: ch	000m: 3+	RANGE: cag cr mex nag	herb
<i>Dianthus chinensis</i> L.		intr. cult. PROV: ch	000m: 0-1	RANGE: asi cr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
87 (59) CARYOPHYLLACEAE cont.					
<i>Drymaria</i>					
cordata R. & S.		PROV: bo ca cc ch cn he lo pa sa vr	000m: 0-1,1-2,2-3	RANGE: ang cag fla mex sag sao	herb
*multiflora Brandeg.		PROV: ch	000m: 1-2	RANGE: cag cr mex	herb
villosa Cham. & Schlecht. intr.		PROV: cc ch	000m: 0-1,1-2	RANGE: asi cag mex per sag?	herb
<i>Polycarpaea</i>					
corymbosa (L.) Lam.		PROV: cc	000m: 0-1	RANGE: sag?	herb
* <i>Spergula</i>					
*arvensis L.		PROV: ch	000m: 2-3	RANGE: wdw	herb
<i>Stellaria</i>					
cuspidata Schlecht.		PROV: bo ch	000m: 1-2,2-3,3+	RANGE: ang? cag col cr ecu mex nas sag? sao	herb climber
irazuensis J.D. Sm.		PROV: ch	000m: 1-2	RANGE: cag? cr gua	herb
ovata Schlecht.		PROV: bo ch	000m: 0-1,1-2,2-3	RANGE: cag gua mex per sag?	herb

88 (60) NYMPHAEACEAE

<i>Cabomba</i>					
piauhyensis Gardn.		PROV: ca cn da pa	000m: 0-1	RANGE: ang bol cag sag? sao	aquat herb
<i>Nymphaea</i>					
ampla (Salisb.) DC.		PROV: ca pa	000m: 0-1	RANGE: ang cag mex sag tex	aquat herb
blanda G. Meyer		PROV: ca cc da pa sa	000m: 0-1	RANGE: cag sag?	aquat herb
*lotus L.	intr. nat.	PROV: pa	000m: 0-1	RANGE: afr asi	aquat herb
rudgeana G. Meyer		PROV: ca pa	000m: 0-1	RANGE: ang cag sag?	aquat herb

89 (61) CERATOPHYLLACEAE

<i>Ceratophyllum</i>					
demersum L.					
--var. echinatum (A. Gray) Wilmot-Dear		PROV: ca	000m: 0-1	RANGE: eur wdw	aquat herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
91 (62) RANUNCULACEAE					
<i>Clematis</i>					
<i>dioica</i> L.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: ang cag mex sag	climber
<i>haenkeana</i> Presl		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cag mex sag sao	climber
<i>Ranunculus</i>					
<i>*geranioides</i> DC.		PROV: ch	000m: 1-2,2-3	RANGE: col ecu	herb
<i>*peruvianus</i> Pers.		PROV: ch	000m: 3+	RANGE: sat	herb
<i>pilosus</i> DC.		PROV: ch	000m: 1-2,2-3	RANGE: cag mex	herb
<i>repens</i> L.		PROV: ch	000m: 1-2	RANGE: eur nag sag	herb
<i>Thalictrum</i>					
<i>panamense</i> Standl.		PROV: ch	000m: 1-2	RANGE: end	herb
<i>viridulum</i> Boivin		PROV: ch	000m: 1-2	RANGE: end	herb
93 (63) BERBERIDACEAE					
<i>Berberis</i>					
<i>nigricans</i> Kuntze		PROV: ch	000m: 2-3,3+	RANGE: cr	shrub
94 (64) MENISPERMACEAE					
<i>*Abuta</i>					
<i>*dwyerana</i> Kruk. & Barneby		PROV: ca cn da pa	000m: 0-1,1-2,2-3	RANGE: cr	shrub
<i>*panamensis</i> (Standl.) Kruk. & Barneby		PROV: ca cn da da pa	000m: 0-1	RANGE: bel cr gua hon mex	woody
<i>*racemosa</i> (Thunb.) Tr. & Pl.		PROV: ca da	000m: 0-1	RANGE: nic bol col	climber
<i>Anomospermum</i>					
<i>*chloranthum</i> Diels					
<i>*--subsp. isthmicola</i> Kruk. & Barneby		PROV: da pa	000m: 0-1	RANGE: col	climber
<i>*reticulatum</i> (Mart.) Eichl.					
<i>*--subsp. allenii</i> Kruk. & Barneby		PROV: cc cn pa	000m: 0-1	RANGE: col	climber
<i>*--subsp. dielsianum</i> (Mold.) Kruk. & Barneby		PROV: da	000m: we	RANGE: per sao	viny
<i>*--subsp. glabrescens</i> Kruk. & Barneby		PROV: da	000m: 1-2	RANGE: ven	tree
<i>*--subsp. idroboi</i> Kruk. & Barneby		PROV: cc ch cn	000m: 0-1	RANGE: col cr sag	viny
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
94 (64) MENISPERMACEAE cont.					
Chondrodendron					
tomentosum R. & P.		PROV: ca da pa	000m: 0-1	RANGE: bol col per	climber
*toxicoferum (Wedd.) Kruk. & Mold.		PROV: da	000m: 0-1	RANGE: wr	climber
Cissampelos					
*andromorpha DC.		PROV: pa	000m: 0-1	RANGE: bol cao col cr ecu	climber
fasciculata Benth.		PROV: bo ca cc ch da	000m: 0-1,1-2	gua gui ven	
		pa		RANGE: col cr ecu gua mex	viny
*grandifolia Tr. & Pl.		PROV: bo ch da	000m: 0-1	mex nic sao	shrub
				RANGE: col cr ecu hon mex	climber
pareira L.		PROV: bo ca cc ch cn	000m: 0-1,1-2	per pr ven	
		da lo pa vr		RANGE: afr ang asi cag fla	viny
tropaeolifolia DC.		PROV: bo ca cc ch cn	000m: 0-1,1-2	mex oce sag	shrub
		da pa sa vr		RANGE: bel bol cag col cr	climber
				ecu gua hon mex nic per	
				sag? sal sao sat ven	
*Curarea					
*toxicofera (Wedd.) Barneby & Kruk.		PROV: ca cn da pa	000m: 0-1,1-2	RANGE: bol col ecu per sao	shrub
*Disciphania					
*ernstii Eichl.		PROV: da pa	000m: 0-1	RANGE: col ecu per sat ven	herb
*--var. ernstii		PROV: pa	000m: 0-1	RANGE: wr	climber
*inversa Barneby					
Hyperbaena					
allenii Standl.		PROV: cc	000m: 0-1	RANGE: end	tree
*tonduzii Diels		PROV: lo	000m: 0-1	RANGE: cr sal	tree
Odontocarya					
*tamnoides (DC.) Miers					
*--var. canescens (Miers) Barneby		PROV: ca pa	000m: 0-1	RANGE: lag nag?	shrub
*tripetala Diels		PROV: da pa	000m: 0-1	RANGE: sat	climber
truncata Standl.		PROV: ca cn da	000m: 0-1	RANGE: col cr	viny
					shrub
*Sciadotenia					
*nitida (Riley) Kruk. & Barneby		PROV: ca da	000m: 0-1	RANGE: col	viny
					shrub
*ramiflora Eichl.		PROV: da	000m: we	RANGE: col ecu per sat	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
95 (65) MAGNOLIACEAE					
Magnolia sororum Seib.		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: end	tree
*Michelia *champaca L.	cult.	PROV: pa	000m: 0-1	RANGE: wr	herb
Talauma gloriensis Pitt.		PROV: cc	000m: 0-1	RANGE: cr	tree
sambuensis Pitt.		PROV: da	000m: 0-1,1-2	RANGE: end	tree
95A (66) WINTERACEAE					
Drimys granadensis L. f.		PROV: ch da pa vr	000m: 0-1,1-2	RANGE: cag? mex per ven	shrub tree
98 (67) ANNONACEAE					
Anaxagorea allenii R.E. Fries		PROV: ca cn pa sa	000m: 0-1	RANGE: cag sat	tree
*crassipetala Hemsl.		PROV: cn da	000m: 0-1	RANGE: cag sat	tree
panamensis Standl.		PROV: ca pa	000m: 0-1	RANGE: cr	shrub
*phaeocarpa Mart.		PROV: bo da	000m: 0-1	RANGE: cr sat	tree
Annona acuminata Saff.		PROV: ca ch da pa	000m: 0-1	RANGE: end	tree
*cherimola Mill.		PROV: ch	000m: 2-3	RANGE: ang cag col mex	tree
glabra L.		PROV: bo ca cn da pa	000m: 0-1	RANGE: afr ang cag mex per	tree
hayesii Standl.		sa PROV: ca da pa	000m: 0-1	sag? sao RANGE: end	shrub tree
*montana Macfad.		PROV: cc cn lo	000m: 0-1	RANGE: ang sat	tree
*muricata L.		PROV: ca sa vr	000m: 0-1,1-2	RANGE: cag sat	tree
*palmeri Saff.		PROV: wp	000m: we	RANGE: mex	tree
*pittieri J.D. Sm.		PROV: wp	000m: we	RANGE: wr	wh
purpurea Dunal		PROV: ca ch da lo vr	000m: 0-1	RANGE: bel cr ecu mex trt ven	tree
*reticulata L.		PROV: cn pa	000m: 0-1	RANGE: cag sat	tree
*scleroderma Saff.		PROV: cn	000m: 0-1	RANGE: cag	shrub
spraguei Saff.		PROV: ca cn da pa	000m: 0-1	RANGE: end	tree
*squamosa L.	cult.	PROV: pa	000m: 0-1	RANGE: cag sat	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
98 (67) ANNONACEAE cont.					
*Canangia					
*odorata (Lam.) Hook. f. & Thoms. intr. cult.		PROV: bo ca cc pa	000m: 0-1	RANGE: afr ang asi cag sat	tree
Crematosperma					
anomalum R.E. Fries		PROV: cn da	000m: 0-1	RANGE: col	tree
Cymbopetalum					
brasiliense (Vell.) Benth.		PROV: da	000m: 0-1	RANGE: col gui sat trt ven	tree
costaricense (J.D. Sm.) R.E. Fries		PROV: bo	000m: 0-1	RANGE: cr	tree
lanugipetalum Schery		PROV: cc cn sa	000m: 0-1	RANGE: cag sat	shrub tree
Desmopsis					
bibracteata (Rob.) Saff.		PROV: ch lo	000m: 0-1,1-2	RANGE: cr nic	shrub tree
brevipes R.E. Fries		PROV: bo	000m: 0-1	RANGE: cag	shrub tree
maxonii Saff.		PROV: ch	000m: 1-2	RANGE: cag	tree
microcarpa R.E. Fries		PROV: bo pa	000m: 0-1	RANGE: cr	tree
panamensis (Rob.) Saff.		PROV: ca	000m: 0-1	RANGE: col cr	tree
Duguetia					
panamensis Standl.		PROV: bo pa	000m: 0-1	RANGE: col cr	tree
vallicola Macbr.		PROV: da	000m: 0-1	RANGE: col ven	shrub tree
Guatteria					
aeruginosa Standl.		PROV: bo ch da	000m: 0-1	RANGE: cag	tree
allenii R.E. Fries		PROV: cc da	000m: 0-1,1-2	RANGE: cag	tree
amplifolia Tr. & Pl.		PROV: bo ca cn pa sa	000m: 0-1	RANGE: ang cag sat	tree
chiriquiensis R.E. Fries		PROV: ch	000m: 0-1	RANGE: cag	tree
*dolichopoda J.D. Sm.		PROV: bo da pa sa	000m: 0-1,1-2	RANGE: cag	tree
dumetorum R.E. Fries		PROV: ca ch cn da	000m: 0-1	RANGE: cag sat	tree
inuncta R.E. Fries		PROV: bo cc cn	000m: 0-1	RANGE: cr	shrub tree
--var. caudata R.E. Fries		PROV: bo pa	000m: 0-1	RANGE: cag	shrub tree
*jefensis Barringer		PROV: pa	000m: 0-1	RANGE: end	shrub tree
lucens Standl.		PROV: bo sa	000m: 0-1	RANGE: ang cag sat	tree
*oliviformis J.D. Sm.		PROV: da pa	000m: 0-1	RANGE: cag sat	tree
panamensis R.E. Fries		PROV: bo lo	000m: 0-1	RANGE: end	tree
*recurvisepala R.E. Fries		PROV: cn he pa vr	000m: 0-1	RANGE: cr	tree
slateri Standl.		PROV: bo ch	000m: 1-2,2-3	RANGE: cag	tree
*tonduzii Diels		PROV: cc da pa	000m: 0-1,1-2	RANGE: cr	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
98 (67) ANNONACEAE cont.					
<i>Malmea</i>					
* <i>depressa</i> (Baill.) R.E. Fries		PROV: da pa sa	000m: 0-1	RANGE: cag mex	tree
<i>hypoglauca</i> (Standl.) R.E. Fries		PROV: sa	000m: 0-1	RANGE: col	tree
<i>Oxandra</i>					
<i>longipetala</i> R.E. Fries		PROV: ca da lo	000m: 0-1	RANGE: ang cag	tree
<i>panamensis</i> R.E. Fries		PROV: da	000m: 0-1	RANGE: ang cag	tree
<i>Porcelia</i>					
<i>magnifructa</i> (Schery) R.E. Fries		PROV: pa	000m: 0-1	RANGE: ven	tree
<i>Rollinia</i>					
* <i>jimenezii</i> Saff.		PROV: cn sa vr	000m: 0-1, 1-2	RANGE: wr	tree
<i>microsepala</i> Standl.		PROV: bo	000m: 0-1	RANGE: cr	tree
<i>permensis</i> Standl.		PROV: ch sa	000m: 0-1	RANGE: ang cag sat	tree
<i>pittieri</i> Saff.		PROV: sa	000m: 0-1	RANGE: ang cag sat	tree
* <i>Stelechocarpus</i>					
* <i>burahol</i> Hook. f. & Thoms. cult.		PROV: ca	000m: 0-1	RANGE: wr	tree
<i>Stenanona</i>					
<i>panamensis</i> Standl.		PROV: bo	000m: 0-1	RANGE: end	tree
<i>Unonopsis</i>					
* <i>floribunda</i> Diels		PROV: bo ca	000m: 0-1	RANGE: sat	tree
<i>panamensis</i> R.E. Fries		PROV: cn pa	000m: 0-1	RANGE: end	tree
<i>pittieri</i> Saff.		PROV: bo ca cc cn da he lo pa sa vr	000m: 0-1	RANGE: cr	tree
<i>Xylopia</i>					
<i>aromatica</i> (Lam.) Mart.		PROV: ca pa	000m: 0-1	RANGE: ang cag sat	tree
<i>bocatorena</i> Schery		PROV: bo ca cn pa sa	000m: 0-1	RANGE: cag	tree
<i>frutescens</i> Aubl.		PROV: ca cc da pa	000m: 0-1	RANGE: bel gua sat	tree
					shrub
* <i>longifolia</i> DC.		PROV: ca	000m: 0-1	RANGE: gui	tree
<i>macrantha</i> Tr. & Pl.		PROV: ca cn pa	000m: 0-1	RANGE: col ven	tree
* <i>xylopioides</i> (Dunal) Standl.		PROV: pa	000m: 0-1	RANGE: wr	tree
99 (68) MYRISTICACEAE					
<i>Compsonoura</i>					
* <i>capitellata</i> (A. DC.) Warb.		PROV: pa	000m: 0-1	RANGE: per sao	tree
<i>sprucei</i> (A. DC.) Warb.		PROV: bo cn sa	000m: 0-1	RANGE: cag mex per sag? sao	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
99 (68) MYRISTICACEAE cont.					
<i>Dialyanthera</i>					
<i>otoba</i> (H. & B.) Warb.		PROV: bo ch	000m: 0-1	RANGE: col cr	tree
<i>*parvifolia</i> Markgr.		PROV: cn	000m: 0-1	RANGE: end	tree
<i>Myristica</i>					
<i>fragrans</i> Houtt.		PROV: bo	000m: 0-1	RANGE: asi cag?	tree
<i>*Osteophloeum</i>					
<i>*platyspermum</i> (A. DC.) Warb.		PROV: cc	000m: 0-1	RANGE: wr	tree
<i>*Otoba</i>					
<i>*acuminata</i> (Standl.) A. Gentry		PROV: bo cc cn pa	000m: 0-1	RANGE: end	tree
<i>*latialata</i> (Pitt.) A. Gentry		PROV: ca cn da pa sa	000m: 0-1	RANGE: col	tree
<i>*novagranatensis</i> Mold.		PROV: bo cn da	000m: 0-1	RANGE: col	tree
<i>Virola</i>					
<i>elongata</i> (Benth.) Warb.		PROV: ca	000m: 0-1	RANGE: per sao	shrub tree
<i>guatemalensis</i> (Hemsl.) Warb.		PROV: ch	000m: 0-1	RANGE: cag? gua	tree
<i>koschnyi</i> Warb.		PROV: ch da	000m: 0-1	RANGE: cag? gua	tree
<i>*macrocarpa</i> A.C. Smith		PROV: sa	000m: 0-1	RANGE: wr	wh
<i>*megacarpa</i> A. Gentry		PROV: cn	000m: 0-1	RANGE: end	tree
<i>sebifera</i> Aubl.		PROV: bo ca ch cn da pa	000m: 0-1	RANGE: bol cag? nic per sag? sao	tree
<i>*surinamensis</i> (Rol.) Ward		PROV: ca cn pa	000m: 0-1	RANGE: cr gui lag sao	tree

101 (69) MONIMIACEAE

<i>*Iryanthera</i>					
<i>*juruensis</i> Warb.		PROV: cn	000m: 0-1	RANGE: col	tree
<i>*megistocarpa</i> A. Gentry		PROV: pa	000m: 0-1	RANGE: end	tree
<i>*ulei</i> Warb.		PROV: da	000m: 0-1	RANGE: col	tree
<i>Mollinedia</i>					
<i>costaricensis</i> J.D. Sm.		PROV: ch	000m: 1-2	RANGE: cr	shrub tree
<i>darienensis</i> Standl.		PROV: da	000m: 0-1	RANGE: end	shrub
<i>*minutiflora</i> Standl. & L.O. Wms.		PROV: da	000m: 1-2	RANGE: cr	treelet
<i>pinchotiana</i> Perk.		PROV: ch da	000m: 1-2, 2-3	RANGE: cag	shrub
<i>stipitata</i> Duke		PROV: ch	000m: 1-2, 2-3	RANGE: cag	tree shrub
<i>Siparuna</i>					
<i>diandra</i> Duke		PROV: da	000m: 0-1	RANGE: col	shrub
<i>griseo-flavescens</i> Perk.		PROV: ch pa	000m: 0-1	RANGE: cr	shrub
<i>guianensis</i> Aubl.		PROV: bo ca ch da he pa vr	000m: 0-1	RANGE: col cr per sao	shrub tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
101 (69) MONIMIACEAE cont.					
*macrophylla (H.B.K.) DC. nicaraguensis Hemsl.		PROV: da PROV: bo ca cc cn da pa	000m: 1-2 000m: 0-1	RANGE: col RANGE: cag mex	shrub shrub tree
*paralleloneura Perk.		PROV: ch	000m: 1-2	RANGE: wr	shrub
*patelliformis Perk.		PROV: pa	000m: 0-1	RANGE: wr	treelet
pauciflora (Beurl.) A. DC.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: col cr per	shrub tree
riparia (Tul.) A. DC.		PROV: ch da	000m: 1-2	RANGE: cag col mex	shrub tree
tetraceroides Perk.		PROV: ch	000m: 0-1	RANGE: cr	shrub tree
tonduziana Perk.		PROV: bo da vr	000m: 0-1,1-2	RANGE: cag? gua	tree shrub tree
102 (70) LAURACEAE					
Alouea					
*costaricensis (Mez) Kosterm.		PROV: ch	000m: 2-3	RANGE: cr	tree
lundelliana Allen		PROV: ch	000m: 0-1,1-2	RANGE: end	tree
*Aniba					
*hostmanniana (Nees) Mez		PROV: pa	000m: 0-1	RANGE: gui per sao	tree
*puchury-minor (Mart.) Mez		PROV: da	000m: 0-1	RANGE: bol col per sao	tree
Beilschmiedia					
*anay (Blake) Kosterm.		PROV: pa	000m: 0-1	RANGE: hon	shrub
*pendula (Sw.) Hemsl.		PROV: ca lo	000m: 0-1	RANGE: ang cr	tree
*sulcata (R. & P.) Kosterm.		PROV: ch da	000m: 1-2,2-3	RANGE: col cr per ven	tree
*Cassytha					
*filiformis L.		PROV: sa	000m: 0-1	RANGE: wdt	parasite
Endlicheria					
browniana Mez		PROV: bo cn pa sa	000m: 0-1	RANGE: col	tree
*paniculata (Spr.) Macbr.		PROV: pa	000m: 0-1	RANGE: sag	tree
*sericea Nees		PROV: cc	000m: 0-1	RANGE: ang sat	tree
Licaria					
*armeniaca (Nees) Kosterm.		PROV: da pa	000m: 0-1,1-2	RANGE: sat	treelet
*canella (Meisn.) Kosterm.		PROV: pa	000m: 0-1	RANGE: col sat	tree
excelsa Kosterm.		PROV: ch da pa sa	000m: 0-1,1-2	RANGE: cr	tree
*misantlae (Brandeg.) Kosterm.		PROV: ch	000m: 0-1	RANGE: cag col mex	tree
*triandra (Sw.) Kosterm.		PROV: cc da lo	000m: 0-1,1-2	RANGE: ang cag col ecu gag per ven	tree
Nectandra					
*cissiflora Nees		PROV: ca	000m: 0-1	RANGE: per sao sat	tree
*coriacea (Sw.) Griseb.		PROV: ca cn	000m: 0-1	RANGE: cag	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
102 (70) LAURACEAE cont.					
*cufodontisii (O.C. Schmidt) Allen		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: cr	tree
davidsoniana Allen		PROV: ch	000m: 1-2	RANGE: end	tree
gentlei Lund.		PROV: ca cc ch cn da pa	000m: 0-1,1-2	RANGE: bel gua hon mex	tree
*glabrescens Benth.		PROV: ca sa	000m: 0-1	RANGE: sat	tree
globosa (Aubl.) Mez		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: ang cag cr gui mex per	tree
*kunthiana (Nees) Kosterm.		PROV: bo	000m: 0-1	RANGE: col cr ecu per ven	tree
laurel Nees		PROV: ca	000m: 0-1	RANGE: cr per sag?	tree
*martinicensis Mez		PROV: bo ca ch cn da	000m: 0-1,1-2	RANGE: bel col cr ecu lag mex nic sal trt ven	tree
*membranacea (Sw.) Griseb.		PROV: bo	000m: 0-1	RANGE: cr per	tree
nitida Mez		PROV: pa	000m: 0-1	RANGE: mex?	tree
paulii Allen		PROV: ch	000m: 0-1,1-2	RANGE: cr	tree
*pichurim (H.B.K.) Mez		PROV: ca pa	000m: 0-1	RANGE: sat	tree
*purpurea (R. & P.) Mez		PROV: bo ca cn da sa	000m: 0-1	RANGE: cag col nic sao	tree
ramonensis Standl.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	shrub
reticulata (R. & P.) Mez		PROV: bo ca	000m: 0-1	RANGE: cag mex per sag	tree
rigida Nees		PROV: ca	000m: 0-1	RANGE: sag? sao	shrub
salicina Allen		PROV: ch	000m: 0-1,1-2	RANGE: cr	tree
*savannarum (Standl. & Steyerl.) C.K. Allen		PROV: ca	000m: 0-1	RANGE: bel gua hon	tree
smithii Allen		PROV: cc pa	000m: 0-1,1-2	RANGE: cr	tree
*turbacensis (H.B.K.) Nees		PROV: ca da pa	000m: 0-1	RANGE: sao ven	tree
					shrub?
Ocotea					
atirrensis Mez		PROV: bo pa	000m: 0-1,1-2	RANGE: cr	shrub
*aurantiodora (R. & P.) Mez		PROV: ca	000m: 0-1	RANGE: gui sao trt ven	tree
*auriculata Lasser		PROV: cc	000m: 0-1,1-2	RANGE: wr	shrub
austini Allen		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
*caracasana (Nees) Mez		PROV: ch	000m: 1-2	RANGE: ven	tree
cernua (Nees) Mez		PROV: bo ca ch da pa vr	000m: 0-1,1-2	RANGE: ang cag cr gui mex per sao	tree
dendrodaphne Mez		PROV: ca cc cn da pa	000m: 0-1,1-2	RANGE: cr gua hon mex	shrub
					tree
*endresiana Mez		PROV: cc	000m: 0-1	RANGE: cr	tree
*eusericea Lund.		PROV: ch	000m: 1-2	RANGE: end	tree
ira Mez		PROV: bo ch cn	000m: 0-1	RANGE: cr	tree
*leucoxydon Mez		PROV: pa	000m: 0-1	RANGE: ang ven	tree
*meziana Allen		PROV: pa	000m: 0-1,1-2	RANGE: cr	tree
					shrub
*micans Mez		PROV: wp	000m: we	RANGE: col	tree
*oblonga (Meisn.) Mez		PROV: ca	000m: 0-1	RANGE: gui	tree
palmana Mez & J.D. Sm.		PROV: bo	000m: 1-2	RANGE: cr	tree
paulii Allen		PROV: cc ch pa sa vr	000m: 0-1,1-2	RANGE: cr	tree
					shrub?

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
102 (70) LAURACEAE cont.					
*puberula Nees		PROV: ca	000m: 0-1	RANGE: bol bol gui mex sao	tree
rubrinervis Mez		PROV: he lo pa	000m: 0-1	RANGE: bol per	tree
*skutchii Allen	cult.	PROV: ca cn pa	000m: 0-1	RANGE: col cr mex nwt	shrub
*stenoneura Mez & Pitt.		PROV: ch da	000m: 2-3	RANGE: cr ecu	tree
subsericea Standl.		PROV: cc da pa	000m: 0-1, 1-2	RANGE: cr	tree
*tonduzii Standl.		PROV: cc	000m: 0-1	RANGE: cr	tree
veraguensis (Meisn.) Mez		PROV: cc ch pa vr	000m: 0-1	RANGE: cag mex nic	tree
*viridiflora Lund.		PROV: ch	000m: 2-3	RANGE: end	shrub
wedeliana Allen		PROV: bo cn	000m: 0-1	RANGE: end	tree
whitei Woods.		PROV: cc ch sa	000m: 0-1, 1-2	RANGE: cr	tree
Persea					
americana Mill.	cult.	PROV: ca ch he pa	000m: 0-1	RANGE: ang cag cr mex	tree
*caerulea (R. & P.) Mez		PROV: cc ch he vr	000m: 0-1, 1-2	RANGE: cag cr sat	tree
*obtusifolia Kopp		PROV: ch	000m: 2-3	RANGE: end	treelet
rigens Allen		PROV: bo ch	000m: 1-2	RANGE: end	tree
schiedeana Nees		PROV: ch pa	000m: 0-1, 1-2, 2-3, 3+	RANGE: cag gua mex	tree
veraguasensis Seem.		PROV: ch	000m: 0-1, 1-2, 2-3	RANGE: cr	shrub
Phoebe					tree
brenesii Standl.		PROV: ch vr	000m: 0-1, 1-2	RANGE: cr	tree
*cinnamomifolia (Kunth) Nees		PROV: ca cc ch da he	000m: 0-1, 1-2, 2-3	RANGE: cag col gua mex per	tree
		pa		ven	
costaricana Mez		PROV: ch	000m: 1-2	RANGE: cr	tree
johnstonii Allen		PROV: ca pa	000m: 0-1	RANGE: end	tree
*mollicella Blake		PROV: ca	000m: 0-1	RANGE: cr	tree
*neurophylla Mez & Pitt.		PROV: pa	000m: 0-1	RANGE: cr	tree
pittieri Mez		PROV: ch da	000m: 1-2, 2-3	RANGE: cr	tree
					shrub
*valeriana Standl.		PROV: vr	000m: we	RANGE: cr	tree

103 (71) HERNANDIACEAE

Hernandia					
didymantha J.D. Sm.		PROV: bo cc ch	000m: 0-1	RANGE: cr	tree
*hammelii D'Arcy		PROV: cc	000m: 0-1	RANGE: end	tree
stenura Standl.		PROV: bo	000m: 0-1	RANGE: cr	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
104 (72) PAPAVERACEAE					
Argemone mexicana L.		PROV: cn	000m: 0-1	RANGE: ang sag cag mex nag owg	herb
Bocconia frutescens L.		PROV: cc ch da	000m: 0-1,1-2	RANGE: ang cag mex sag	tree shrub
105 (74) CRUCIFERAE					
Brassica campestris L.	intr.	PROV: ch	000m: 0-1,1-2	RANGE: nwg owg	herb
integrifolia (Willd.) Rupr.	intr.	PROV: pa	000m: 0-1	RANGE: owg	herb
Cakile lanceolata (Willd.) O.E. Schulz --subsp. lanceolata		PROV: bo cn	000m: 0-1	RANGE: ang cag col fla ven	herb
Cardamine *flexuosa With.	intr.	PROV: ca	000m: 0-1	RANGE: ang eur	herb
ovata Benth.		PROV: ch pa	000m: 0-1	RANGE: bol col cr ecu per ven	herb
Lepidium virginicum L.		PROV: ch	000m: 1-2	RANGE: ang nag	herb
*Nasturtium *officinale R. Br.	intr. cult.	PROV: ch	000m: 1-2	RANGE: nwg owg	herb
*Raphanus *sativus L.	intr. cult.	PROV: ch	000m: 1-2	RANGE: nwg owg	herb
Romanschulzia costaricensis (Standl.) Rollins		PROV: ch	000m: 2-3	RANGE: cr	herb
Rorippa *palustris (L.) Besser	intr.	PROV: bo	000m: we	RANGE: eur nag	herb

FLORA OF PANAMA CHECKLIST
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
107 (73) CAPPARACEAE					
<i>Capparis</i>					
* <i>amplissima</i> Lam.		PROV: pa	000m: 0-1	RANGE: gag	tree
<i>antonensis</i> Woods.		PROV: cc cn pa sa vr	000m: 0-1	RANGE: end	tree
<i>chiriquensis</i> Woods.		PROV: ch	000m: 0-1	RANGE: end	tree
<i>crotonantha</i> Standl.		PROV: sa	000m: 0-1	RANGE: end	tree
<i>cynophallophora</i> L.		PROV: ca ch cn da lo	000m: 0-1	RANGE: ang bah cag fla mex	shrub
		pa sa vr		ven	tree
* <i>discolor</i> J.D. Sm.		PROV: da pa	000m: 0-1,1-2	RANGE: cr	shrub
<i>filipes</i> J.D. Sm.		PROV: bo sa	000m: 0-1	RANGE: cr	tree
<i>flexuosa</i> L.		PROV: ca lo pa sa	000m: 0-1	RANGE: ang cag fla mex per	shrub
				ven	tree
<i>frondosa</i> Jacq.		PROV: ca da lo pa sa	000m: 0-1	RANGE: ang cag mex per sag?	shrub
				sao	tree
* <i>indica</i> (L.) Fawc. & Rendl.		PROV: ca he	000m: 0-1	RANGE: gag	tree
* <i>macrophylla</i> H.B.K.		PROV: da vr	000m: 0-1	RANGE: sat	tree
<i>mirifica</i> Standl.		PROV: ca pa	000m: 0-1	RANGE: end	tree
<i>odoratissima</i> Jacq.		PROV: ca cc lo pa	000m: 0-1	RANGE: ang cag mex per ven	shrub
					tree
<i>ovalifolia</i> R. & P.		PROV: da	000m: 0-1	RANGE: per sag?	shrub
					tree
* <i>pachaca</i> H.B.K.					
*--subsp. <i>oxysepala</i> (Wright) Iltis		PROV: da	000m: 0-1	RANGE: wr	shrub
* <i>panamensis</i> Iltis		PROV: pa	000m: 0-1	RANGE: end	tree
* <i>pittieri</i> Standl.		PROV: cn da pa sa	000m: 0-1	RANGE: cag	tree
<i>uniflora</i> Woods.		PROV: cc	000m: 0-1	RANGE: wr	tree
<i>verrucosa</i> Jacq.		PROV: ca da pa	000m: 0-1	RANGE: cag mex ven	shrub
<i>Cleome</i>					
<i>longipes</i> DC.		PROV: bo da	000m: 0-1	RANGE: cr per sag?	herb
* <i>parviflora</i> H.B.K.		PROV: ca da	000m: 0-1	RANGE: cag ecu gui mex per	herb
				sao sat	
<i>pilosa</i> Benth.		PROV: bo ca ch lo pa	000m: 0-1,1-2	RANGE: cag col mex ven	herb
		vr			
<i>pubescens</i> Sims		PROV: da vr	000m: 0-1	RANGE: cr his sao	herb
* <i>rutidosperma</i> DC.	intr.	PROV: ca	000m: 0-1	RANGE: afr ang fla hon jam	herb
				sao trt	
* <i>rutiolosperma</i> DC.		PROV: bo	000m: 0-1	RANGE: sao	herb
<i>serrata</i> Jacq.		PROV: bo ca cn da he	000m: 0-1	RANGE: cag col cub jam mex	herb
		pa sa			
<i>speciosa</i> H.B.K.	intr. cult. nat.				
		PROV: ca pa	000m: 0-1	RANGE: cag? mex sag?	herb
<i>spinosa</i> Jacq.	cult.	PROV: ch cn da	000m: 0-1,1-2	RANGE: cag? sag?	herb
<i>Crataeva</i>					
<i>tapia</i> L.		PROV: ca cc ch pa vr	000m: 0-1	RANGE: jam	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
107 (73) CAPPARACEAE cont.					
*Forchhammeria					
*trifoliata Radlk.					
*--subsp. grandifolia Hansen		PROV: bo	000m: 0-1	RANGE: bel cr gua mex	shrub
*Morisonia					
*americana L.		PROV: ca da pa	000m: 0-1	RANGE: ang cag gag sat	tree
*oblongifolia Britton		PROV: sa	000m: 0-1	RANGE: col sao	tree
Podandrogynae					
chiriquensis (Standl.) Woods.		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: cr	herb
*decipiens (Tr. & Pl.) Woods.		PROV: pa	000m: 0-1	RANGE: col	shrub
*--subsp. chiriquensis (Standl.) Cochrane		PROV: ch	000m: 2-3	RANGE: wr	herb
*--subsp. pulcherrima (Standl.) Cochrane		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cr	herb
*formosa Cochrane		PROV: ch	000m: 3+	RANGE: cr	shrub
Steriphoma					
macranthum Standl.		PROV: da	000m: 0-1	RANGE: end	shrub
*paradoxum Endl.		PROV: da	000m: 0-1	RANGE: ven	tree shrub
Tovaria					
pendula R. & P.		PROV: ch da	000m: 0-1,1-2	RANGE: cag mex per ven	herb shrub

108 (75) RESEDACEAE

Reseda					
luteola L.		intr. cult. PROV: ch	000m: 1-2	RANGE: owt	herb

109 (76) MORINGACEAE

Moringa					
oleifera Lam.		intr. cult. PROV: wp	000m: 0-1	RANGE: owg	shrub tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
112 (76A) DROSERACEAE					
<i>Drosera</i>					
<i>panamensis</i> Correa & A.S. Taylor		PROV: vr	000m: 0-1	RANGE: end	herb
113 (78) PODOSTEMACEAE					
<i>Marathrum</i>					
<i>allenii</i> Woods.		PROV: cc ch	000m: 0-1	RANGE: end	herb
<i>cheiriferum</i> Royen		PROV: cc pa	000m: 0-1	RANGE: col cr	herb
* <i>diversifolium</i> Royen		PROV: cc	000m: 0-1	RANGE: end	herb
<i>foeniculaceum</i> H. & B.		PROV: pa	000m: 0-1	RANGE: cag col mex	herb
* <i>haenkeanum</i> Engl.		PROV: ca	000m: 0-1	RANGE: col per	herb
<i>indifferens</i> Royen		PROV: ca ch	000m: 0-1	RANGE: cag	herb
<i>leptophyllum</i> Royen		PROV: ch	000m: 0-1	RANGE: end	herb
<i>oxycarpum</i> Tul.		PROV: cc pa	000m: 0-1	RANGE: col hon	herb
<i>pusillum</i> Royen		PROV: pa	000m: 0-1	RANGE: end	herb
* <i>schiedeanum</i> (Cham.) Tul.		PROV: pa	000m: 0-1	RANGE: cr mex	herb
<i>stenocarpum</i> (Wedd.) Royen		PROV: ca pa	000m: 0-1	RANGE: col	herb
<i>Tristicha</i>					
<i>trifaria</i> (Willd.) Spr.		PROV: ca pa	000m: 0-1	RANGE: afr cag cr cub sag	herb
115 (77) CRASSULACEAE					
<i>Echeveria</i>					
<i>australis</i> Rose		PROV: ch	000m: 0-1	RANGE: cr	herb
<i>Kalanchoe</i>					
<i>pinnata</i> (Lam.) Pers.		intr. cult. nat. PROV: ch vr	000m: 0-1	RANGE: afr	herb
117 (79) SAXIFRAGACEAE					
<i>Escallonia</i>					
* <i>paniculata</i> (R. & P.) R. & S.		PROV: ch	000m: 1-2	RANGE: cr sat	tree
<i>poasana</i> J.D. Sm.		PROV: ch	000m: 2-3, 3+	RANGE: cr	tree
<i>Hydrangea</i>					
<i>oerstedii</i> Briq.		PROV: cc ch	000m: 0-1, 1-2	RANGE: cr mex? per sag?	woody climber
<i>peruviana</i> Moric.		PROV: ca cc ch cn pa	000m: 0-1, 1-2	RANGE: cr per sag?	woody climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
117 (79) SAXIFRAGACEAE cont.					
preslii Briq.		PROV: cc	000m: 0-1,1-2	RANGE: cr ecu per	shrub woody climber shrub
Philadelphus myrtoides Bertol.		PROV: ch	000m: 1-2	RANGE: cr gua	shrub
Phyllonoma ruscifolia R. & S. *tenuidens Pitt.		PROV: ch da PROV: ch	000m: 1-2,2-3 000m: 1-2	RANGE: bol cr sag? RANGE: cr	tree shrub
*Ribes *leptostachyum Benth.		PROV: bo ch	000m: 3+	RANGE: cr	shrub
119 (80A) BRUNELLIACEAE					
Brunellia *costaricensis Standl. darienensis Cuatr. & Porter		PROV: da PROV: da	000m: 1-2 000m: 0-1,1-2	RANGE: cr RANGE: end	tree tree
120 (80) CUNONIACEAE					
Weinmannia glabra L. f.		PROV: ch	000m: 1-2,2-3	RANGE: col mex per sat ven	shrub tree
*--var. caripensis (H.B.K.) Engl.		PROV: ch	000m: 1-2	RANGE: col ven	shrub tree
*laurina H.B.K. *--var. pseudolaurina (Woods.) Bernardi		PROV: da pa PROV: ch da	000m: 0-1,1-2 000m: 1-2,2-3	RANGE: end RANGE: ang cag cub jam mex per sag? sao	tree shrub tree
*wercklei Standl.		PROV: bo ch	000m: 1-2	RANGE: cag	tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
126 (81) ROSACEAE					
<i>Acaena</i> <i>elongata</i> L.		PROV: ch	000m: 2-3	RANGE: col cr ecu gua mex	herb
<i>Alchemilla</i> <i>aphanoides</i> L. f.		PROV: ch	000m: 2-3	RANGE: bol cag? mex sag?	herb
<i>orbiculata</i> R. & P.		PROV: ch	000m: 2-3	RANGE: bol cag? mex sag?	herb
* <i>sibbaldiaefolia</i> H.B.K.		PROV: ch	000m: 2-3	RANGE: cag	herb
* <i>standleyi</i> Perry		PROV: ch	000m: 3+	RANGE: wr	herb
<i>Chrysobalanus</i> <i>icaco</i> L.		cult. PROV: bo ca cc cn da pa sa vr	000m: 0-1	RANGE: afr ang cag ecu fla mex sag? sao	shrub
<i>Couepia</i> * <i>macrophylla</i> Hook. f.		PROV: da	000m: 0-1	RANGE: cag	tree
* <i>polyandra</i> (Kunth) Rose		PROV: cc	000m: 0-1	RANGE: cag? mex	tree
<i>Eriobotrya</i> * <i>japonica</i> Lindl.		intr. cult. PROV: ch	000m: 1-2	RANGE: asi	shrub tree
<i>Hesperomeles</i> <i>heterophylla</i> (R. & P.) Hook.		PROV: ch	000m: 2-3	RANGE: bol col cr ecu per ven	shrub tree
<i>Hirtella</i> <i>americana</i> L.		PROV: ca cc da he pa vr	000m: 0-1	RANGE: bel col cr cub gua? mex ven	tree
* <i>latifolia</i> Prance		PROV: bo cn pa sa	000m: 0-1	RANGE: wr	tree
<i>racemosa</i> Lam.		PROV: bo ca cc cn da he lo pa sa vr	000m: 0-1	RANGE: bel bol cag? mex per sag? sao	shrub tree
*--var. <i>hexandra</i> (R. & S.) Prance		PROV: pa	000m: 0-1	RANGE: wr	wh
<i>triandra</i> Sw.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: ang bel bol cag gua mex per sag? sao	shrub tree
* <i>tubiflora</i> Cuatr.		PROV: pa	000m: 0-1, 1-2	RANGE: col	tree
<i>Holodiscus</i> <i>argenteus</i> (L. f.) Maxim.		PROV: ch	000m: 0-1	RANGE: col cr gua mex	shrub
* <i>Lachemilla</i> <i>pascuorum</i> (Standl.) Rothm.		PROV: ch	000m: 0-1, 1-2	RANGE: wr	herb
* <i>pectinata</i> (H.B.K.) Rothm.		PROV: ch	000m: 2-3, 3+	RANGE: cag per	herb
<i>Licania</i> * <i>affinis</i> Fritsch		PROV: cn pa	000m: 0-1	RANGE: sat	treelet
<i>arborea</i> Seem.		PROV: ca cc ch pa vr	000m: 0-1	RANGE: cag col mex	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
126 (81) ROSACEAE cont.					
*chiriquiensis Prance		PROV: ch	000m: 1-2	RANGE: end	tree
*cruegeriana Urb.		PROV: cn pa	000m: 0-1	RANGE: trt	tree
*fasciculata Prance		PROV: cn pa	000m: 0-1	RANGE: end	tree
hypoleuca Benth.		PROV: bo ca da pa	000m: 0-1	RANGE: bel cag col mex	tree
*jefensis Prance		PROV: ca cn pa	000m: 0-1	RANGE: end	shrub
*kallunkii Prance		PROV: cn	000m: 0-1	RANGE: end	tree
*longistyla (Hook. f.) Fritsch		PROV: wp	000m: we	RANGE: per	wh
*macrocarpa Cuatr.		PROV: wp	000m: we	RANGE: col ecu per	wh
*morii Prance		PROV: ca pa	000m: 0-1	RANGE: end	tree
platypus (Hemsl.) Fritsch cult.		PROV: bo ca ch da lo pa	000m: 0-1	RANGE: cag col mex	tree
*Maranthes					
*panamensis (Standl.) Prance & White		PROV: ca pa sa	000m: 0-1	RANGE: cr nic	tree
Prunus					
annularis Koehne		PROV: ch pa	000m: 0-1,1-2	RANGE: cag? cr mex? sag?	tree
*brachybotrya Zucc.		PROV: ch	000m: 2-3	RANGE: mex	tree
*Rosa					
*centifolia L.		intr. cult.			
		PROV: ca	000m: 0-1	RANGE: owg	herb
Rubus					
*eriocarpus Liebm.		PROV: ch	000m: 3+	RANGE: cag	shrub
glaucus Benth.		PROV: ch	000m: 1-2,2-3,3+	RANGE: col ecu	viny
panamanus Bailey		PROV: ch	000m: 2-3	RANGE: end	shrub
praecipuus Bailey		PROV: ch	000m: 1-2	RANGE: end	viny
tantus Bailey		PROV: ch	000m: 1-2	RANGE: end	shrub
trichomallus Schlecht.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cag mex	viny
					shrub

127 (82) CONNARACEAE

Cnestidium					
rufescens Planch.		PROV: bo ca cc ch cn da he pa vr	000m: 0-1	RANGE: cag col cub ecu mex ven	climber
*Cnestis					
*ferruginea DC.		intr. cult.			
		PROV: ca	000m: 0-1	RANGE: afr	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
127 (82) CONNARACEAE cont.					
Connarus					
*lambertii (DC.) Sagot		PROV: cn pa	000m: 0-1	RANGE: cag gui sat trt	shrub
*nervatus Cuatr.		PROV: da	000m: 0-1	RANGE: col?	tree
panamensis Griseb.		PROV: ca cc ch da he pa vr	000m: 0-1	RANGE: col cr gua nic ven	climber
*silvanensis Cuatr.		PROV: cn da	000m: 0-1, 1-2	RANGE: col	tree
turczaninowii Triana		PROV: ca cn da	000m: 0-1	RANGE: end	climber
williamsii Britt.					
--var. allenii (Steyerm.) Forero		PROV: da	000m: 0-1	RANGE: end	tree
--var. williamsii		PROV: da	000m: 0-1	RANGE: col	climber
Rourea					
adenophora S.F. Blake		PROV: ca ch	000m: 0-1	RANGE: hon	climber
glabra H.B.K.		PROV: ca cc cn da lo pa sa vr	000m: 0-1	RANGE: cag cub jam mex sao sat trt	climber
pittieri S.F. Blake		PROV: cn da pa	000m: 0-1	RANGE: col	climber
*suerrensii J.D. Sm.		PROV: pa	000m: 0-1	RANGE: cr mex nic	tree climber

128 (83) LEGUMINOSAE

Abrus					
precatorius L.		PROV: bo sa	000m: 0-1	RANGE: wdw	climber
Acacia					
*acanthophylla (Britt. & Rose) Standl.		PROV: ca	000m: 0-1	RANGE: cr gua hon mex	climber
angustissima (Mill.) Kuntze		PROV: ch	000m: 1-2	RANGE: cag nic sag	shrub tree
*auriculaeformis Benth. cult.		PROV: ca	000m: 0-1	RANGE: oce	tree
*collinsii Saff.		PROV: ca cc ch he lo pa vr	000m: 0-1	RANGE: cag col mex	shrub tree
cookii Saff.		PROV: bo	000m: 0-1	RANGE: bel gua hon nic	shrub tree
farnesiana (L.) Willd.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag mex nag? nic sag sao	shrub tree
*glauca (L.) Moench		PROV: wp	000m: we	RANGE: ang cag jam nic	shrub
glomerosa Benth.		PROV: ca	000m: 0-1	RANGE: cag mex nic sag sao	tree
hayesii Benth.		PROV: ca da pa	000m: 0-1	RANGE: cr hon nic	climber shrub
macracantha Willd. cult.		PROV: ca	000m: 0-1	RANGE: ang cag? col nic sag	tree
melanoceras Beurl.		PROV: ca cn pa	000m: 0-1	RANGE: cr nic	shrub tree
riparia H.B.K.		PROV: ca ch pa	000m: 0-1	RANGE: bol cr ecu nic sag sao	shrub tree
*ruddiae Janzen		PROV: cn	000m: 0-1	RANGE: cr gua	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>tenuifolia</i> (L.) Willd.		PROV: da sa	000m: 0-1	RANGE: ang cag mex nic sag	climber
<i>Acosmium</i> <i>panamense</i> (Benth.) Yakovl.		PROV: ca da pa	000m: 0-1	RANGE: cag col mex sal ven	tree
<i>Adenopodia</i> * <i>polystachya</i> (L.) Dixon		PROV: bo ca ch he pa	000m: 0-1	RANGE: ang cag mex sag	climber
<i>Aeschynomene</i> <i>americana</i> L.		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: cr jam	herb
*--var. <i>glandulosa</i> (Poir.) Rudd		PROV: bo ca ch he pa vr	000m: 0-1, 1-2	RANGE: mex nas sag	herb
<i>brasiliiana</i> (Poir.) DC. <i>ciliata</i> Vog.		PROV: ca pa PROV: ca ch cn pa	000m: 0-1 000m: 0-1	RANGE: sao RANGE: cag ecu jam mex sag	herb herb
<i>elegans</i> Schlecht. & Cham. <i>histrix</i> Poir.		PROV: ch PROV: ca cc lo pa	000m: 1-2 000m: 0-1	RANGE: col cr mex RANGE: cag sat	herb herb
--var. <i>incana</i> (Vog.) Benth. <i>pratensis</i> Small		PROV: ca cc lo pa PROV: cc he pa	000m: 0-1 000m: 0-1	RANGE: cag mex sag sao RANGE: sat	herb herb
--var. <i>caribaea</i> Rudd <i>rudis</i> Benth.		PROV: cc he pa PROV: pa	000m: 0-1 000m: 0-1	RANGE: ang cub sag RANGE: cag ecu nag sag	herb herb
<i>sensitiva</i> Sw.		PROV: bo ca cc cn da he pa	000m: 0-1	RANGE: ang cag mex sag	herb
<i>villosa</i> Poir.		PROV: ca pa vr	000m: 0-1	RANGE: cag nag pr sag	herb
<i>Albizia</i> <i>adinocephala</i> Record cult.		PROV: ca pa	000m: 0-1	RANGE: bel cag nic sal	tree
<i>carbonaria</i> Britt. & Wils.		PROV: da	000m: 0-1	RANGE: col sal	tree
<i>caribaea</i> (Urb.) Britt. & Rose		PROV: sa	000m: 0-1	RANGE: ang cag? sag?	tree
<i>gauchapele</i> Record		PROV: ca	000m: 0-1	RANGE: cag? gua nic per sag?	tree
<i>lebbeck</i> (L.) Benth. cult.		PROV: ca	000m: 0-1	RANGE: afr ang asi nic nwg?	tree
* <i>procera</i> (Roxb.) Benth. intr. cult.		PROV: ca	000m: 0-1	RANGE: owt	tree
<i>Alysicarpus</i> <i>vaginalis</i> (L.) DC.		PROV: bo ca cc ch cn he pa sa vr	000m: 0-1	RANGE: gag nao sat	herb
* <i>Amicia</i> * <i>glandulosa</i> H.B.K.		PROV: da	000m: 1-2	RANGE: ecu per sag?	shrub
<i>Andira</i> <i>inermis</i> (W. Wright) H.B.K.		PROV: bo ca cc ch da he pa vr	000m: 0-1	RANGE: afr ang mex nas nwg	tree
<i>Ateleia</i> <i>gummifera</i> (DC.) D. Dietr.		PROV: he	000m: 0-1	RANGE: ang bel cag cub mex	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
Bauhinia					
*aculeata L.		PROV: pa	000m: 0-1	RANGE: lag sal	shrub
*beguinotii Cufod.		PROV: pa sa	000m: 0-1	RANGE: col cr	shrub treelet
cumanensis H.B.K.		PROV: wp	000m: 0-1	RANGE: ang gui sag? ven	climber
emarginata Mill.		PROV: cc pa	000m: 0-1	RANGE: sag?	shrub tree
eucosma Blake		PROV: ca pa	000m: 0-1	RANGE: end	climber
*glabra Jacq.		PROV: ca	000m: 0-1	RANGE: cag mex per sao ven	climber
*guianensis Aubl.		PROV: bo ca cc cn da pa sa vr	000m: 0-1	RANGE: bol cr mex sao trt	climber
hymeneaefolia Triana		PROV: wp	000m: 0-1	RANGE: col?	climber
ligulata Pitt.		PROV: sa	000m: 0-1	RANGE: end	tree
*microstachya (Raddi) Macbr.		PROV: da	000m: 0-1	RANGE: per	climber
monandra Kurz	intr. cult.				
		PROV: cc pa	000m: 0-1	RANGE: ang asi col sag	tree
obovata Blake		PROV: da	000m: 0-1	RANGE: end	climber
pauletia Pers.		PROV: ca he lo pa	000m: 0-1	RANGE: cag mex sag? trt	shrub tree
*petiolata Hook.		PROV: cn	000m: 0-1	RANGE: wr	tree
*picta (H.B.K.) DC.		PROV: sa	000m: 0-1	RANGE: col ven	tree
purpurea L.	intr.	PROV: ca	000m: 0-1	RANGE: asi	shrub
reflexa Schery		PROV: ca da sa	000m: 0-1	RANGE: col	climber
standleyi Rose		PROV: ca cc pa	000m: 0-1	RANGE: cr	climber
storkii (Rose) Schery		PROV: bo	000m: 0-1	RANGE: end	climber
ungulata L.		PROV: ca ch da he vr	000m: 0-1	RANGE: cag mex per sag sao	shrub tree
*variegata L.		PROV: pa	000m: 0-1	RANGE: wr	climber
Brownea					
macrophylla Linden		PROV: ca cn da pa	000m: 0-1	RANGE: sag?	tree
rosa-de-monte Berg.		PROV: ca da sa	000m: 0-1	RANGE: cr sag? trt	tree
Browneopsis					
excelsa Pitt.		PROV: da	000m: 0-1	RANGE: end	tree
Caesalpinia					
coriaria (Jacq.) Willd.		PROV: ca cc	000m: 0-1	RANGE: ang cag mex sag?	tree
crista L.		PROV: ca cc ch cn pa	000m: 0-1	RANGE: asi ecu wdw?	viny shrub
eriosachys Benth.		PROV: cc pa	000m: 0-1	RANGE: cag cub mex	tree
pulcherrima (L.) Sw.	cult.	PROV: bo ca lo pa	000m: 0-1	RANGE: asi cag? per	shrub tree
Cajanus					
bicolor DC.	cult.	PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: cag gag sat	shrub subshrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>Calliandra</i>					
<i>caracasana</i> (Jacq.) Benth.		PROV: ch	000m: 1-2,2-3	RANGE: ang? cag? ecu mex? ven	shrub
<i>confusa</i> Sprague & Riley		PROV: ch	000m: 1-2	RANGE: cag mex sag?	tree
<i>cumingii</i> Benth.		PROV: wp	000m: we	RANGE: cr mex? sag? ven?	shrub
<i>glaberrima</i> (Benth.) Britt. & Killip		PROV: ca cc pa	000m: 0-1	RANGE: col	tree
<i>magdalenae</i> (Bert.) Benth.		PROV: ch vr	000m: 0-1	RANGE: cag mex sag	shrub?
<i>pittieri</i> Standl.		PROV: da	000m: 0-1	RANGE: col	tree
<i>seemanni</i> Benth.		PROV: vr	000m: we	RANGE: cr? sag?	shrub
<i>tetragona</i> (Willd.) Benth.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag mex sag	tree?
<i>Calopogonium</i>					
<i>coeruleum</i> (Benth.) Sauv.		PROV: bo ca cc ch da he lo pa vr	000m: 0-1	RANGE: cag sat	climber
<i>galactioides</i> (H.B.K.) Hemsl.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cag mex sag?	climber
<i>mucunoides</i> Desv.		PROV: bo ca cc ch cn he lo pa vr	000m: 0-1	RANGE: cag sat	climber
<i>Canavalia</i>					
<i>bicarinata</i> Standl.		PROV: ca cc ch da lo pa	000m: 0-1	RANGE: col cr ecu per	climber
<i>brasiliensis</i> Benth.		PROV: bo ca pa	000m: 0-1	RANGE: cag fia mex sag sao	climber
<i>dictyota</i> Piper		PROV: ca pa sa	000m: 0-1	RANGE: ang cag? gui sao	climber
<i>ensiformis</i> (L.) DC.		PROV: ca	000m: 0-1	RANGE: sat	climber
<i>glabra</i> (Mart. & Gal.) Sauer		PROV: he lo	000m: 0-1	RANGE: cag? mex per sag?	climber
<i>gladiata</i> (Jacq.) DC.		PROV: pa	000m: 0-1	RANGE: owt	climber
<i>maritima</i> (Aubl.) Thou.		PROV: bo ca ch cn lo pa sa	000m: 0-1	RANGE: vdv	climber
<i>oxyphylla</i> Standl. & L.O. Wms.		PROV: bo ca cc ch cn pa vr	000m: 0-1	RANGE: cag? hon mex sag?	climber
<i>villosa</i> Benth.		PROV: cc ch he lo pa vr	000m: 0-1,1-2	RANGE: cag mex	climber
<i>Cassia</i>					
<i>fistula</i> L.		PROV: ca	000m: 0-1	RANGE: ang asi cag sag sao	tree
<i>grandis</i> L. f.		PROV: bo ca cc da pa	000m: 0-1	RANGE: ang cag mex sag sao	tree
<i>moschata</i> H.B.K.		PROV: ca pa	000m: 0-1	RANGE: cag gui sag sao	tree
<i>regia</i> Standl.		PROV: ca	000m: 0-1	RANGE: cub	tree
<i>Centrolobium</i>					
<i>paraense</i> Tul.					
--var. <i>orinocense</i> Benth.		PROV: da	000m: 0-1	RANGE: ecu gui sao	tree
<i>yavizanum</i> Pitt.		PROV: da	000m: 0-1	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>Centrosema</i>					
<i>angustifolia</i> (H.B.K.) Benth.		PROV: ca cc ch he pa	000m: 0-1	RANGE: cag sag?	climber
<i>macrocarpa</i> Benth.		PROV: bo ca	000m: 0-1	RANGE: gui sao	climber
<i>pascuora</i> Benth.		PROV: cc pa	000m: 0-1	RANGE: ecu sag? sao	climber
<i>plumieri</i> (Pers.) Benth.		PROV: bo ca cc lo pa	000m: 0-1	RANGE: nwg?	herb climber
<i>pubescens</i> Benth.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang cag mex nag sag	climber
<i>sagittata</i> Riley		PROV: ca da lo pa sa vr	000m: 0-1	RANGE: cag sat	climber
<i>vexillata</i> Benth.		PROV: pa sa	000m: 0-1	RANGE: gui sag? sao	climber
<i>Chaetocalyx</i>					
<i>latisiliqua</i> Hemsl.		PROV: bo ca cc ch da	000m: 0-1	RANGE: cr ecu sag?	climber
		lo pa sa vr			
<i>Chamaecrista</i>					
* <i>desvauxii</i> (Collad.) Killip					
*--var. <i>brevipes</i> (Benth.) Irwin & Barneby		PROV: cc ch	000m: 0-1,1-2	RANGE: cr hon nic sag sao	shrub
<i>diphylla</i> (L.) Greene		PROV: cc pa	000m: 0-1	RANGE: ang cag mex sag sao	herb
* <i>fagonioides</i> (Vog.) Irwin & Barneby		PROV: cc pa	000m: 0-1	RANGE: bel col	herb
*--var. <i>fagonioides</i>		PROV: cc	000m: 0-1	RANGE: ang bol cag mex sag	herb
<i>flexuosa</i> (L.) Greene				RANGE: ang	shrub
* <i>glandulosa</i> (L.) Greene		PROV: ca	000m: 0-1		
* <i>kunthiana</i> (Schlect. & Cham.) Irwin & Barneby		PROV: ca cc pa vr	000m: 0-1,1-2	RANGE: cag mex sag sao sat	herb subshrub
* <i>nictitans</i>					
*--subsp. <i>disadena</i> (Steud.) Irwin & Barneby					
*--var. <i>disadena</i> (Steud.) Irwin & Barneby		PROV: ch	000m: 0-1	RANGE: cag mex sag sao	herb
*--var. <i>pilosa</i> (Benth.) Irwin & Barneby		PROV: ch	000m: 0-1	RANGE: cag cr mex sao sat	herb
*--subsp. <i>nictitans</i>					
*--var. <i>jaliscensis</i>		PROV: ca pa	000m: 0-1	RANGE: cag cub mex per sat	herb
*--subsp. <i>patellaria</i> (Collad.) Irwin & Barneby					
*--var. <i>paraguariensis</i> (Chod. & Hassl.) Irwin & Barneby		PROV: ca pa	000m: 0-1	RANGE: bol cag col gua sao	herb
*--var. <i>ramosa</i> (Vog.) Irwin & Barneby		PROV: ca pa	000m: 0-1	RANGE: ang bel cr mex per	herb
<i>rotundifolia</i> (Pers.) Greene		PROV: ch	000m: 0-1	RANGE: sag sao sat	herb
				RANGE: ang cag cub mex nas	herb
				sag sao sat	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
*serpens (L.) Greene		PROV: pa	000m: 0-1	RANGE: sag	herb
Clitoria					
falcata Lam.		PROV: ca cc ch pa	000m: 0-1	RANGE: afr ang cag sag	climber
glaberrima Pitt.		PROV: ca cc lo pa	000m: 0-1	RANGE: cag mex ven	tree
guianensis (Aubl.) Benth.		PROV: cc ch pa	000m: 0-1	RANGE: ang cag mex sag	herb
javitensis (H.B.K.) Benth.					
--var. portobellensis (Beurl.) Fantz					
polystachya Benth.		PROV: ca ch cn da pa	000m: 0-1	RANGE: ven	climber
ternatea L.	cult. nat.	PROV: ch	000m: 1-2	RANGE: cag	shrub
		PROV: bo ca pa	000m: 0-1	RANGE: owg wdw?	climber
Cologania					
biloba (Lindl.) Nichols.		PROV: ch	000m: 1-2	RANGE: cag nag?	herb
procumbens Kunth		PROV: ch	000m: 1-2	RANGE: cag col mex	herb
Copaifera					
aromatica Dwyer		PROV: ch da pa vr	000m: 0-1	RANGE: end	tree
panamensis (Britt.) Standl.		PROV: ca cc	000m: 0-1	RANGE: end	tree
Cracca					
mollis (H.B.K.) Benth. & Oerst.		PROV: ca cc ch pa	000m: 0-1	RANGE: cag ecu mex ven	herb shrub
Crotalaria					
cajanifolia H.B.K.		PROV: ca cc ch cn he pa vr	000m: 0-1	RANGE: cag cub mex	herb shrub tree
incana L.		PROV: bo ca he lo pa	000m: 0-1	RANGE: cr jam sal	herb shrub
longirostrata H. & A.		PROV: ch	000m: 0-1	RANGE: cag mex sal	shrub tree
maypurensis H.B.K.		PROV: vr	000m: 0-1	RANGE: cr sag	shrub herb
micans Link		PROV: ca ch pa vr	000m: 0-1	RANGE: ang cag mex sag	shrub herb
pilosa Mill.		PROV: ca ch cn da he lo pa	000m: 0-1, 1-2	RANGE: cag cub jam sag	herb
retusa L.		PROV: bo ca cc ch cn da lo pa	000m: 0-1	RANGE: cr nwg pr	herb
rotundifolia J.F. Gmel.		PROV: ch he pa	000m: 0-1	RANGE: cag mex nag	herb
sagittalis L.		PROV: bo ca ch he lo pa	000m: 0-1, 1-2	RANGE: cag gua mex nag sag sal	herb
spectabilis Roth	cult. nat.				
		PROV: ca cc cn da pa	000m: 0-1	RANGE: asi	herb
verrucosa L.		PROV: bo ca	000m: 0-1	RANGE: ang cag fla	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>Cymbosema roseum</i> Benth.		PROV: ca pa	000m: 0-1	RANGE: cag col mex per sag? climber sao	
<i>Cynometra bauhiniaefolia</i> Benth.		PROV: ca cn pa	000m: 0-1	RANGE: col cr gui per sao tree sat	
<i>Dalbergia brownei</i> (Jacq.) Urb.		PROV: bo ca cn da lo pa sa vr	000m: 0-1	RANGE: ang cag fla mex sag shrub tree	
<i>cuscatlanica</i> (Standl.) Standl.		PROV: pa	000m: 0-1	RANGE: cr gua tree	
* <i>darienensis</i> Rudd		PROV: da	000m: 0-1	RANGE: end tree	
<i>ecastaphylla</i> (L.) Taub.		PROV: bo sa	000m: 0-1	RANGE: ang cag fla mex sag? shrub tree	
<i>monetaria</i> L. f.		PROV: ca cn	000m: 0-1	RANGE: ang cag mex sag shrub tree	
<i>retusa</i> Hemsl.		PROV: ca cc cn da pa	000m: 0-1	RANGE: cr mex nic tree	
<i>Dalea carthagenensis</i> (Jacq.) Macbr.					
--var. <i>barbata</i> (Oerst.) Barneby		PROV: cc he pa	000m: 0-1	RANGE: ang cag col fla mex shrub per ven subshrub	
<i>cliffortiana</i> Willd.		PROV: cc he lo	000m: 0-1	RANGE: asi cag ecu mex ven herb	
<i>Delonix regia</i> (Boj.) Raf.	intr.	PROV: ca	000m: 0-1	RANGE: afr ang cag sag tree	
<i>Desmanthus virgatus</i> (L.) Willd.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag fla gal sag shrub sao tex herb	
<i>Desmodium adscendens</i> (Sw.) DC.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1,1-2	RANGE: afr ang asi cag? sag? herb	
<i>affine</i> Schlecht.		PROV: ca	000m: 0-1	RANGE: ang cag mex sag herb	
<i>angustifolium</i> (H.B.K.) DC.		PROV: ca ch he pa vr	000m: 0-1,1-2	RANGE: cag mex sag herb	
<i>axillare</i> (Sw.) DC.					
--var. <i>acutifolium</i> (Kuntze) Urb.		PROV: ca cc ch cn da he lo pa	000m: 0-1	RANGE: ang cag col gui sao herb	
--var. <i>axillare</i>		PROV: bo ca cc ch da he pa	000m: 0-1,1-2	RANGE: ang cag mex nwt sag herb	
--var. <i>stoloniferum</i> (Poir.) Schubert		PROV: ca ch cn da lo pa sa	000m: 0-1	RANGE: cag gag sag herb	
<i>barbatum</i> (L.) Benth.		PROV: bo ca cc ch cn da pa vr	000m: 0-1,1-2	RANGE: afr asi nwg? herb	
<i>cajanifolium</i> (H.B.K.) DC.		PROV: bo ca cc ch cn pa vr	000m: 0-1	RANGE: ang mex sag herb shrub	

TAXON	FAMILY	PROVINCES	ELEVATION (OOM.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>campylociados</i> Hemsl.		PROV: cc ch	000m: 0-1, 1-2	RANGE: cag col per ven	herb shrub
<i>distortum</i> (Aubl.) Macbr.		PROV: ca cc ch da he pa vr	000m: 0-1	RANGE: cag mex sag	herb shrub
<i>glabrum</i> (Mill.) DC.		PROV: ca ch cn pa	000m: 0-1	RANGE: ang cr gal mex sag	herb
<i>incanum</i> DC.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: ang cag	herb shrub
<i>infractum</i> DC.		PROV: ca lo vr	000m: 0-1	RANGE: cag col ecu mex ven	climber
<i>intortum</i> (Mill.) Urb.		PROV: bo ch da	000m: 0-1, 1-2, 2-3	RANGE: nvt	herb
*var. <i>apiculatum</i> Schubert		PROV: wp	000m: ve	RANGE: mex	herb
<i>macrodesmum</i> (Blake) Standl. & Steyerl.		PROV: bo cc pa	000m: 0-1	RANGE: bel gua hon	herb
<i>naxonii</i> (Standl.) Standl.		PROV: ch	000m: 1-2, 2-3	RANGE: cag mex	shrub
<i>molliculum</i> (W.B.K.) DC.		PROV: ch	000m: 1-2	RANGE: cag mex sag	herb
<i>perrottetii</i> DC.		PROV: cc	000m: 0-1	RANGE: gui per	herb
<i>procumbens</i> (Mill.) Hitchc.					
*var. <i>longipes</i> (Schindl.) Schubert		PROV: ca cc ch pa	000m: 0-1	RANGE: cag mex sag	herb
*var. <i>procumbens</i>		PROV: bo ca da pa vr	000m: 0-1	RANGE: afr ang asi cag mex nvt sag sat	herb
<i>rhynchodesmum</i> (Blake) Standl.		PROV: bo cn	000m: 0-1	RANGE: cr	climber subshrub?
<i>saccatum</i> Schubert		PROV: cc ch pa	000m: 0-1	RANGE: and	climber
<i>scorpiurus</i> (Sw.) Desv.		PROV: bo ca cc ch cn lo pa vr	000m: 0-1	RANGE: afr nvg oce	herb
<i>sericophyllum</i> Schlecht.		PROV: ch	000m: 0-1, 1-2	RANGE: cag col mex ven	herb
<i>tortuosum</i> (Sw.) DC.		PROV: bo ca cc ch da lo pa	000m: 0-1	RANGE: nvg	herb shrub
<i>triflorum</i> (L.) DC.		PROV: bo ca cc ch cn pa	000m: 0-1	RANGE: cag gag sat vdt	herb
*venustum Steud.		PROV: ch	000m: 2-3	RANGE: mex	herb
<i>wydlarianum</i> Urb.		PROV: ca da	000m: 0-1	RANGE: ang cag cr pr sag seo	subshrub
<i>Dialium</i>					
<i>guianense</i> (Aubl.) Sandw.		PROV: da sa	000m: 0-1	RANGE: cag? gua per sag? seo	tree
<i>Dioclea</i>					
<i>aura</i> R.W. Maxwell		PROV: da	000m: 0-1	RANGE: col	climber
<i>guianensis</i> Sandw.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: cag gui mex sag tvt	climber
<i>megacarpa</i> Rolfe		PROV: ca cc da pa sa	000m: 0-1	RANGE: cr tvt	climber
<i>paniculata</i> R.W. Maxwell		PROV: ca cn	000m: 0-1	RANGE: col	climber
<i>pulchra</i> Mold.		PROV: bo da	000m: 0-1	RANGE: col	climber
<i>reflexa</i> Hook. f.		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: afr vdt	climber
<i>virgata</i> (Rich.) Amshoff		PROV: ca da pa	000m: 0-1	RANGE: cag gui mex sag seo	climber
<i>wilsonii</i> Standl.		PROV: bo ca ch da he pa	000m: 0-1	RANGE: ang cag hon mex nvt oce sag? seo	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
Diphysa robinoides Benth.		PROV: ca cc ch da he lo pa sa vr	000m: 0-1,1-2	RANGE: cag mex nic	tree
*Dipteryx panamensis (Pitt.) Record & Melli		PROV: bo ca cn da pa	000m: 0-1	RANGE: col cr	tree
Dussia cuscatlanica (Standl.) Standl. & Steyerl.		PROV: ch da	000m: 0-1,1-2	RANGE: cag gua mex sal	tree
macrophyllata (J.D. Sm.) Harms		PROV: bo cn	000m: 0-1	RANGE: cr	tree
Entada *monostachya DC.		PROV: bo ca da pa	000m: 0-1	RANGE: afr ang cag sag	climber
Enterolobium cyclocarpum (Jacq.) Griseb.		PROV: bo ca cc ch pa	000m: 0-1	RANGE: cag mex	tree
schomburgkii Benth.		PROV: ch pa	000m: 0-1	RANGE: cag? gua mex sag? sao	tree
Eriosema crinitum (H.B.K.) G. Don		PROV: ca cc ch pa vr	000m: 0-1,1-2,2-3	RANGE: bel cr ven	herb
diffusum (H.B.K.) G. Don		PROV: ch pa vr	000m: 0-1,1-2	RANGE: cag col mex	subshrub
simplicifolium (H.B.K.) G. Don		PROV: ch	000m: 0-1	RANGE: cag gag gui sag? ven	herb
violaceum (Aubl.) G. Don		PROV: ca cc pa	000m: 0-1	RANGE: cag gag gui mex sag?	herb
				sao	subshrub
Erythrina berteroana Urb.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1,1-2	RANGE: ang cag col mex ven	tree
chiriquensis Kruk.		PROV: ch da	000m: 1-2,2-3	RANGE: cr	tree
costaricensis M. Mich.		PROV: bo ca cc ch cn da pa sa	000m: 0-1,1-2	RANGE: col cr	tree
crista-galli L.	cult.	PROV: ca	000m: 0-1	RANGE: sao	tree
edulis Mich.	cult.	PROV: ch	000m: 0-1,1-2	RANGE: bol sag?	tree
fusca Lour.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: afr nwg? oce	tree
gibbosa Cufod.		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: cag? cr hon	tree
lanceolata Standl.		PROV: ch	000m: 0-1	RANGE: cag? cr hon	shrub
poeppigiana (Walp.) O.F. Cook		PROV: ca da	000m: 0-1	RANGE: bol per sag?	tree
rubrinervia H.B.K.		PROV: da pa vr	000m: 0-1,1-2,2-3	RANGE: bel bol col per	shrub
					tree
Fissicalyx fendleri Benth.		PROV: ca	000m: 0-1	RANGE: gui ven	tree

[illegible]

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
portobellensis Beurl. punctata Willd.		PROV: ca PROV: bo ca cc ch cn da pa sa vr	000m: 0-1 000m: 0-1	RANGE: cr RANGE: cag cr mex per sag? trt	tree tree
*quaternata Poepp. ruiziana G. Don		PROV: bo ca cc ch sa PROV: bo ca cn da pa	000m: 0-1 000m: 0-1	RANGE: cag col cr mex RANGE: cag? nic per sag? sao	tree tree
saffordiana Pitt. *sapindoides Willd.		PROV: da PROV: bo ca cc ch da pa sa	000m: 0-1 000m: 0-1	RANGE: end RANGE: ang cag cr mex	tree tree
spectabilis (Vahl) Willd.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: col cr mex per ven	tree
standleyana Pitt. *thibaudiana DC.		PROV: da PROV: ca cn da	000m: 0-1 000m: 0-1	RANGE: end RANGE: bel per trt	tree tree
*umbellifera (Vahl) Steud. vera		PROV: ca cn da pa	000m: 0-1	RANGE: per sao	tree
*--subsp. spuria (Willd.) J. Leon		PROV: bo ca cc ch da he lo pa vr	000m: 0-1	RANGE: ang cag mex sag sat	tree
Labiab purpureus (L.) Sweet	cult.	PROV: ca	000m: 0-1	RANGE: owt	herb
Lennea viridiflora Seem.		PROV: ca cc da vr	000m: 0-1	RANGE: end	tree
Leucaena *leucocephala (Lam.) de Wit	cult.	PROV: ca	000m: 0-1	RANGE: cag nwg? nwt per	shrub tree
multicapitula Schery		PROV: ca cc da pa	000m: 0-1	RANGE: nic	tree shrub
*trichodes Benth.		PROV: da	000m: 0-1	RANGE: cr ecu per ven	tree
Lonchocarpus atropurpureus Benth.		PROV: ca cn	000m: 0-1	RANGE: cr ecu gua hon mex ven	shrub tree
calcaratus Hermann chiricanus Pitt.		PROV: cc PROV: ch	000m: 0-1 000m: 0-1	RANGE: end RANGE: end	tree tree
densiflorus Benth.		PROV: bo ca	000m: 0-1	RANGE: gui	climb shrub
fendleri Benth. guatemalensis Benth.		PROV: bo PROV: da	000m: 0-1 000m: 0-1	RANGE: ven RANGE: cag mex	tree tree
--var. proteranthus (Pitt.) Hermann		PROV: cc	000m: 0-1	RANGE: end	tree
luteomaculatus Pitt. monofoliaris Schery		PROV: bo ca cn PROV: bo	000m: 0-1 000m: 0-1	RANGE: bel gua hon RANGE: cr	tree tree
oliganthus Hermann		PROV: bo	000m: 0-1	RANGE: cr	shrub
peninsularis (J.D. Sm.) Pitt.		PROV: bo	000m: 0-1	RANGE: cag mex	tree shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
pentaphyllus (Poir.) DC.		PROV: bo ca cc cn pa sa vr	000m: 0-1	RANGE: ang cag sag	tree
sericeus (Poir.) DC.		PROV: he vr	000m: 0-1	RANGE: afr ang cag mex sag?	tree
--var. glabrescens Benth.		PROV: ca cn da pa	000m: 0-1	RANGE: afr ang cag sag?	tree
velutinus Seem.		PROV: ca cc ch pa vr	000m: 0-1	RANGE: cag col	tree
Lupinus					
clarkei Oerst.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr hon	herb
costaricensis Dunn		PROV: ch	000m: 2-3,3+	RANGE: cr	herb
Machaerium					
arboreum (Jacq.) Vog.		PROV: ca da	000m: 0-1	RANGE: col cr hon mex ven	shrub tree
biovulatum Mich.		PROV: ca cc pa	000m: 0-1,2-3	RANGE: cag mex	shrub tree
capote Dugand		PROV: da	000m: 0-1	RANGE: col	tree
chambersii Dwyer		PROV: da	000m: 0-1	RANGE: end	tree?
cirriferum Pitt.		PROV: cc	000m: 0-1	RANGE: end	tree
*floribundum Benth.		PROV: ca	000m: 0-1	RANGE: mex per ven	shrub climber
glabripes Pitt.		PROV: cc	000m: 0-1	RANGE: end	tree
*kegelii Meisn.		PROV: ca cc pa vr	000m: 0-1	RANGE: cr	tree shrub climber
longifolium Benth.		PROV: da	000m: 0-1	RANGE: cr nic sag?	shrub climber
lunatum (L. f.) Ducke		PROV: ca ch pa	000m: 0-1	RANGE: afr ang cag sag?	shrub climber tree
*microphyllum (E. Meyer) Standl.		PROV: ca ch cn da he pa sa vr	000m: 0-1	RANGE: sag	shrub climber tree
*milleflorum Pitt.		PROV: ca cc cn da pa	000m: 0-1	RANGE: cr	climber
*riparium Brandeg.		PROV: ca	000m: 0-1	RANGE: bel mex	shrub climber
*robiniiifolium (DC.) Vog.		PROV: da	000m: 0-1	RANGE: gui ven	tree
seemannii Seem.		PROV: ca cc ch ch cn da pa	000m: 0-1	RANGE: col gua hon	climber shrub
Macrolobium					
*colombianum (Britt. & Killip) Killip		PROV: pa	000m: 0-1	RANGE: col ven	tree
modicopetalum Schery		PROV: bo	000m: 0-1	RANGE: sat	tree
pittieri (Rose) Schery		PROV: sa	000m: 0-1	RANGE: end	tree
Macroptilium					
atropurpureum (DC.) Urb.		PROV: ca cc lo pa	000m: 0-1	RANGE: wdw	climber
gracile (Benth.) Urb.		PROV: cc pa	000m: 0-1	RANGE: ang cag sag	herb climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>lathyroides</i> (L.) Urb.		PROV: ca cc cn he lo pa	000m: 0-1	RANGE: mex	herb
<i>longepedunculatum</i> (Benth.) Urb.		PROV: ca cc lo pa vr	000m: 0-1	RANGE: nwt	climber
<i>Mimosa</i>					
<i>albida</i> Willd.		PROV: cc	000m: 0-1	RANGE: cag mex sag?	climber
--var. <i>albida</i>		PROV: ca	000m: 0-1, 1-2	RANGE: gua mex nic sal	shrub
*--var. <i>glabrior</i> Rob.		PROV: ca	000m: 0-1	RANGE: lag sao	herb
<i>casta</i> L.		PROV: bo	000m: 0-1	RANGE: col mex sao	climber
* <i>guilandinae</i> (DC.) Barneby		PROV: bo ca pa	000m: 0-1	RANGE: ang cag mex sag sao	herb
<i>invisa</i> Mart.					shrub
* <i>myriadena</i> Benth.		PROV: bo vr	000m: 0-1	RANGE: sat	climber
<i>panamensis</i> (Benth.) Standl.		PROV: ca cc ch pa vr	000m: 0-1, 1-2	RANGE: col cr	herb
<i>pigra</i> L.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: afr ang cag? sag? sao wdt	shrub
<i>polydactyla</i> Willd.		PROV: ca	000m: 0-1	RANGE: sag? sao	herb
<i>pudica</i> L.	cult.	PROV: bo ca cc ch pa	000m: 0-1	RANGE: ang cag owt per sag	herb
<i>pusilla</i> Benth.		PROV: pa	000m: 0-1	RANGE: cag mex	herb
* <i>quadrivalvis</i> L.		PROV: ca he lo pa	000m: 0-1	RANGE: cr per	climber
*--var. <i>hamata</i> (H.B.K.) Beard		PROV: da pa	000m: 0-1	RANGE: per	climber
<i>somnians</i> Willd.		PROV: ca cc ch pa	000m: 0-1, 1-2	RANGE: cag mex per sag sao	herb
<i>velloziana</i> Mart.		PROV: bo ca	000m: 0-1	RANGE: cag mex sag sao	subshrub viny shrub
<i>Mora</i>					
<i>oleifera</i> (Triana) Ducke		PROV: da pa	000m: 0-1	RANGE: col	tree
<i>Mucuna</i>					
<i>holtonii</i> (Kuntze) Mold.		PROV: bo ca cc cn da vr	000m: 0-1, 1-2	RANGE: cag col mex	climber
<i>mutisiana</i> (H.B.K.) DC.		PROV: bo ca cc da lo pa sa	000m: 0-1	RANGE: col cr ven	climber
<i>rostrata</i> Benth.		PROV: ca cn da	000m: 0-1	RANGE: bol ecu per sao	climber
<i>sloanei</i> Fawc. & Rendl.		PROV: ca cc pa	000m: 0-1	RANGE: afr ang cag	climber
<i>urens</i> (L.) DC.		PROV: ca cc ch da	000m: 0-1, 1-2	RANGE: ang cr	climber
<i>Muellera</i>					
<i>moniliformis</i> L. f.		PROV: bo ca da	000m: 0-1	RANGE: sag? trt	tree
* <i>Myrospermum</i>					
* <i>frutescens</i> Jacq.		PROV: cc	000m: 0-1	RANGE: col cr ven	tree
<i>Myroxylon</i>					
<i>balsamum</i> (L.) Harms		PROV: da pa sa	000m: 0-1	RANGE: cag? mex per sag?	tree
*--var. <i>pereirae</i> (Royle) Harms		PROV: ca da pa	000m: 0-1	RANGE: mex per sao	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
Neptunia					
oleracea Lour.		PROV: cc	000m: 0-1	RANGE: ang col gua mex nic	aquat herb
plena (L.) Benth.		PROV: cc	000m: 0-1	RANGE: per sao wdw	subshrub
pubescens Benth.		PROV: cc	000m: 0-1	RANGE: ang col ecu gua mex	subshrub
				nas nic per sao ven	herb
				RANGE: ang cag? fla mex nas	subshrub
				nic per per sag? sat tex	
Ormosia					
amazonica Ducke		PROV: ca	000m: 0-1	RANGE: per sao	tree
coccinea (Aubl.) Jacks.		PROV: ca sa	000m: 0-1	RANGE: sat	tree
--var. subsimplex (Benth.) Rudd		PROV: ca vr	000m: 0-1	RANGE: col per sao ven	tree
cruenta Rudd		PROV: cc ch	000m: 0-1, 1-2	RANGE: end	tree
macrocalyx Ducke		PROV: bo ca ch pa vr	000m: 0-1	RANGE: bel cag? mex sag? sao	tree
panamensis Benth.		PROV: bo ca ch	000m: 0-1	RANGE: end	tree
tovarensis Pitt.		PROV: da	000m: 1-2	RANGE: col ven	tree
Pachyrhizus					
erosus (L.) Urb.		PROV: bo ca ch cn lo pa sa	000m: 0-1	RANGE: wdw	climber
Paramachaerium					
gruberi Brizicky		PROV: ch	000m: 0-1	RANGE: sat	tree
*Parkia					
*nitida Miq.		PROV: da	000m: 0-1	RANGE: ecu gui sao ven	tree
Peltogyne					
*mexicana Martinez		PROV: da	000m: 0-1	RANGE: mex	tree
purpurea Pitt.		PROV: ca da	000m: 0-1	RANGE: cr	tree
Peltophorum					
inermis Villar	intr.	PROV: ca	000m: 0-1	RANGE: asi	tree
Pentaclethra					
macroloba (Willd.) Kuntze cult.		PROV: bo ca da	000m: 0-1	RANGE: ang cag? nic sag?	tree
Phaseolus					
coccineus L.		PROV: ch	000m: 1-2	RANGE: gua nag	climber
lunatus L.		PROV: ca ch he pa vr	000m: 0-1	RANGE: ang? cag	climber
*peduncularis H.B.K.		PROV: bo ca cc da pa sa	000m: 0-1	RANGE: ang gua sat	climber
*trichocarpus C. Wright		PROV: ca ch da pa	000m: 0-1	RANGE: ang gui	climber
tuerckheimii J.D. Sm.		PROV: ch	000m: 1-2, 2-3	RANGE: cag cr gua mex	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>vulgaris</i> L.	cult.	PROV: wp	000m: we	RANGE: nwg	climber herb
<i>Phyllocarpus</i> <i>septentrionalis</i> J.D. Sm.	intr. cult.	PROV: ca	000m: 0-1	RANGE: cag? gua hon?	tree
<i>Piptadenia</i> <i>flava</i> (Spr.) Benth.		PROV: cc	000m: 0-1	RANGE: cag? mex nic sag?	tree shrub
<i>Piscidia</i> <i>piscipula</i> (L.) Sarg.		PROV: ca	000m: 0-1	RANGE: ang cag fla mex ven	tree
* <i>Pithecellobium</i> <i>barbourianum</i> Standl.		PROV: ca	000m: 0-1	RANGE: end	tree
<i>catenatum</i> J.D. Sm.		PROV: bo	000m: 0-1	RANGE: cr	tree
<i>cognatum</i> Benth.		PROV: ca	000m: 0-1	RANGE: mex	tree
<i>costaricense</i> (Britt. & Rose) Standl.		PROV: ch	000m: 1-2, 2-3	RANGE: cr	tree
* <i>dinizii</i> Ducke		PROV: ca	000m: 0-1	RANGE: col per sao	tree
<i>dulce</i> (Roxb.) Benth.		PROV: ca	000m: 0-1	RANGE: cag mex sag?	tree
<i>fragrans</i> Benth.		PROV: vr	000m: 0-1	RANGE: cag sat	tree
* <i>giganifolium</i> (Schery) J. Leon		PROV: bo	000m: 0-1	RANGE: cr sag?	tree
<i>hymeneaeifolium</i> (H. & B.) Benth.		PROV: ca da lo pa	000m: 0-1	RANGE: col ven	shrub climber
* <i>johanseni</i> Standl.		PROV: ch	000m: 0-1	RANGE: bel?	shrub
<i>latifolium</i> (L.) Benth.		PROV: bo ca	000m: 0-1	RANGE: ang bol cag? col hon	shrub tree
<i>longifolium</i> (H. & B.) Standl.		PROV: bo ca cc cn da pa	000m: 0-1	RANGE: cag? hon sag?	tree
<i>macradenium</i> Pitt.		PROV: ca	000m: 0-1	RANGE: cr	tree
<i>mangense</i> (Jacq.) Macbr.		PROV: vr	000m: 0-1	RANGE: jam sag?	shrub tree
<i>membranaceum</i> (Benth.) Schery		PROV: ch	000m: 0-1, 1-2	RANGE: cr	tree
<i>oblongum</i> Benth.		PROV: ca pa	000m: 0-1	RANGE: cag mex	tree
<i>pseudo-tamarindus</i> (Britt.) Standl.		PROV: bo	000m: 0-1	RANGE: end	tree
<i>rufescens</i> (Benth.) Pitt., non Mohl. (1966)		PROV: ca cc cn da he lo pa sa	000m: 0-1	RANGE: col cr	tree
--var. <i>vallense</i> Schery		PROV: cc	000m: 0-1	RANGE: end	tree
<i>saman</i> (Jacq.) Benth.		PROV: bo ca he vr	000m: 0-1	RANGE: ang cag mex owg sag	tree
<i>tubuliferum</i> Pitt.		PROV: cc ch	000m: 0-1, 1-2	RANGE: col	shrub tree
* <i>unifoliatum</i> Benth.		PROV: cn	000m: 0-1	RANGE: col ecu per ven	tree
<i>valerioi</i> (Britt. & Rose) Standl.		PROV: bo	000m: 0-1	RANGE: cr	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
Platymiscium					
*darienense Dwyer		PROV: da	000m: 0-1	RANGE: wr	tree
pinnatum (Jacq.) Dugand		PROV: ca cc ch da pa	000m: 0-1	RANGE: col cr gua hon nic per sal trt ven	tree
Platypodium					
elegans Vog.		PROV: ca ch da pa	000m: 0-1	RANGE: sag sao ven	tree
Prioria					
copaifera Griseb.		PROV: bo ca da sa	000m: 0-1	RANGE: ang cag? col nic	tree
Prosopis					
juliflora (Sw.) DC.		PROV: da pa	000m: 0-1	RANGE: ang cag? col nag? sag? ven	shrub tree
Pterocarpus					
belizensis Standl.		PROV: bo ca	000m: 0-1	RANGE: bel	tree
officinalis Jacq.		PROV: bo ca cn da pa	000m: 0-1	RANGE: ang cag ecu sag	tree
*rohrrii Vahl		PROV: bo ca da pa	000m: 0-1	RANGE: bel bol cr gua mex nic per sao	tree
Pueraria					
lobata (Willd.) Ohwi		PROV: bo	000m: 0-1	RANGE: asi	climber
*phaseoloides Benth.		PROV: ch da	000m: 0-1	RANGE: ecu per	climber
Rhynchosia					
calycosa Hemsl.		PROV: ca cc ch da lo pa vr	000m: 0-1	RANGE: cag ecu sag?	climber
edulis Griseb.		PROV: pa	000m: 0-1	RANGE: cag nao sag sao	climber
erythroides Schlecht. & Cham.		PROV: bo ca cn pa	000m: 0-1	RANGE: cag cr ecu mex sag	climber
minima (L.) DC.		PROV: bo ca ch lo pa vr	000m: 0-1	RANGE: cag jam mex sag sao	climber
precatoria (Willd.) DC.		PROV: pa	000m: 0-1	RANGE: cag col mex	climber
*pyramidalis (Lam.) Urb.		PROV: bo ca cc cn da	000m: 0-1	RANGE: ang gui mex per sao sat	climber
quercetorum Standl.		PROV: ch	000m: 1-2	RANGE: cag col	climber
reticulata (Sw.) DC.		PROV: ca cc ch he pa vr	000m: 0-1	RANGE: cag gag hon jam mex sag	climber
Schizolobium					
parahybum (Vell.) Blake		PROV: ca da pa	000m: 0-1	RANGE: cag mex sag sao	tree
Schrankia					
hamata Willd.		PROV: ca da pa	000m: 0-1	RANGE: col nic	herb
leptocarpa DC.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag owg sag	herb
Senna					
*alata (L.) Roxb.		PROV: ca cc pa vr	000m: 0-1	RANGE: cag mex owg sag sao	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
*atomaria (L.) Irwin & Barneby		PROV: wp	000m: we	RANGE: ang mex sat	tree
*bacillaris (L.) Irwin & Barneby		PROV: bo ca cc ch lo pa	000m: 0-1	RANGE: ang cr nic sao sat	shrub shrub tree
bicapsularis (L.) Roxb. --var. bicapsularis		PROV: ca cc	000m: 0-1	RANGE: ang cag mex sag sao	shrub tree
*burkartiana (Villa Carenzo) Irwin & Barneby		PROV: ch	000m: 1-2	RANGE: bol sag	shrub tree
*cajamarcae Irwin & Barneby		PROV: ch	000m: 1-2	RANGE: ecu per	shrub tree
*caudata (Standl.) Irwin & Barneby		PROV: pa	000m: 0-1	RANGE: end	shrub tree
*cobanensis (Britt. & Rose) Irwin & Barneby		PROV: bo ca ch da pa vr	000m: 0-1,1-2	RANGE: cag mex per sag sao	herb shrub
*dariensis (Britt. & Rose) Irwin & Barneby		PROV: ca da pa	000m: 0-1	RANGE: col	tree
*--var. dariensis		PROV: ca da pa	000m: 0-1	RANGE: col cr	tree
*--var. gatunensis (Britt. & Rose) Irwin & Barneby		PROV: ca cn da sa	000m: 0-1	RANGE: afr	shrub tree
*didymobotrya (Fresen.) Irwin & Barneby		cult. PROV: ca	000m: 0-1		
*hayesiana (Britt. & Rose) Irwin & Barneby		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: ang cag col mex ven	shrub tree
*hirsuta (L.) Irwin & Barneby		PROV: bo cc da	000m: 0-1	RANGE: ang bol col sao sat	shrub
*--var. hirsuta				ven	
*--var. hirta (L.) Irwin & Barneby		PROV: bo	000m: 0-1	RANGE: ang cag mex sag? sao	shrub
*hypoglauca Irwin & Barneby		PROV: cc pa vr	000m: 0-1	RANGE: end	tree
*ligustrina (L.) Irwin & Barneby		PROV: bo	000m: 0-1	RANGE: ang nas	herb subshrub
*macrophylla (Kunth) Irwin & Barneby		PROV: da	000m: 1-2	RANGE: col ven	shrub tree
*multijuga (Rich.) Irwin & Barneby		PROV: ca	000m: 0-1	RANGE: ang? col gui mex per	tree
*nicaraguensis (Benth.) Irwin & Barneby		PROV: ca pa vr	000m: 0-1	RANGE: cag mex	tree
*obtusifolia (L.) Irwin & Barneby		PROV: bo ca cc cn da he pa vr	000m: 0-1	RANGE: asi nwt wdw	herb shrub
occidentalis Link		PROV: bo ca ch pa	000m: 0-1	RANGE: cag mex nas owg per	shrub herb
*pallida (Vahl) Irwin & Barneby		PROV: cc he pa vr	000m: 0-1	RANGE: ang cag mex sag?	shrub
*papillosa (Britt. & Rose) Irwin & Barneby		PROV: bo vr	000m: 0-1,1-2	RANGE: bel col cr mex ven	shrub tree
*--var. papillosa					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
*pendula (Willd.) Irwin & Barneby					
*--var. advena (Vog.) Irwin & Barneby		PROV: ca cc pa	000m: 0-1	RANGE: ang cag? mex sag?	shrub tree
*pilifera (Vol.) Irwin & Barneby					
*--var. subglabra (S. Moore) Irwin & Barneby		PROV: ca pa	000m: 0-1	RANGE: cub mex per sag sao	shrub herb
*quinquangulata (Rich.) Irwin & Barneby		PROV: ch da pa vr	000m: 0-1	RANGE: bel cr gua mex per	shrub
*reticulata (Willd.) Irwin & Barneby		PROV: bo ca cc da he lo pa	000m: 0-1	RANGE: bol cag mex sag sao	tree
*septemtrionalis (Viviani) Irwin & Barneby		PROV: pa	000m: 0-1	RANGE: afr ang cag mex owt	shrub tree
*siamea (Lam.) Irwin & Barneby					
cult. PROV: ca da pa		000m: 0-1	RANGE: asi wdt		tree
*sophera (L.) Roxb.		PROV: ca	000m: 0-1	RANGE: ang col mex nwt sao	shrub
*spectabilis (DC.) Irwin & Barneby		PROV: ch	000m: 0-1	RANGE: ang cag mex sag	tree
*undulata (Benth.) Irwin & Barneby		PROV: ca pa vr	000m: 0-1	RANGE: cag mex sag sao trt	shrub
*williamsii (Britt. & Rose) Irwin & Barneby		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	shrub tree
Sesbania					
emerus (Aubl.) Urb.		PROV: ca ch lo pa vr	000m: 0-1	RANGE: ang cag	herb shrub
exasperata H.B.K.		PROV: pa	000m: 0-1	RANGE: ang sag ven	herb shrub
grandiflora (L.) Pers. cult.		PROV: ca cc pa	000m: 0-1	RANGE: owg	tree
Sophora					
tomentosa L.		PROV: bo cn sa	000m: 0-1	RANGE: cag	shrub
--subsp. occidentalis (L.) Brummitt		PROV: bo cn sa	000m: 0-1	RANGE: afr ang bel col mex	shrub
Stizolobium					
pruriens (L.) Medik.		PROV: ca ch da lo pa vr	000m: 0-1	RANGE: wdw	climber
Stylosanthes					
guyanensis (Aubl.) Sw.		PROV: ca cc ch he pa vr	000m: 0-1,1-2	RANGE: cag sat	herb
humilis H.B.K.		PROV: ca cc ch cn pa vr	000m: 0-1	RANGE: ang asi cag col mex	herb
viscosa (L.) Sw.		PROV: cc he lo pa vr	000m: 0-1,1-2	RANGE: oce sao ven cag mex sag? sao	herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
Swartzia					
nuda Schery		PROV: bo	000m: 0-1	RANGE: end	tree
panamensis Benth.		PROV: ca cn da pa sa	000m: 0-1	RANGE: cr hon	tree
simplex (Sw.) Spr.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: ang cag	tree
--var. darienensis (Pitt.) Schery					
		PROV: ca da pa	000m: 0-1	RANGE: end	tree
*--var. grandiflora (Raddi) Cowan		PROV: ca da pa sa	000m: 0-1	RANGE: bol mex per ven	tree
*--var. ochracea (A. DC.) Cowan		PROV: bo ca ch da pa	000m: 0-1	RANGE: col cr ecu gua hon	tree
				mex per sao	
*Tachigalia					
*versicolor Standl. & L.O. Wms.		PROV: ca cn da pa	000m: 0-1	RANGE: col cr	tree
Tamarindus					
indica L.		PROV: pa	000m: 0-1	RANGE: wdw	tree
Tephrosia					
multifolia Rose		PROV: ca ch he vr	000m: 0-1	RANGE: cag mex	shrub
nitens Seem.		PROV: pa	000m: 0-1	RANGE: cag? mex sag? sao	herb
sinapou (Buchoz) A. Chev. cult.		PROV: da sa	000m: 0-1	RANGE: ang cag mex sag	shrub
tenella A. Gray		PROV: cc he	000m: 0-1	RANGE: ang cag mex nao	herb
Teramnus					
labialis (L. f.) Spr.		PROV: ca ch lo	000m: 0-1	RANGE: ang owg	climber
uncinatus (L.) Sw.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: wdw	climber
volubilis Sw.		PROV: ca ch cn da pa	000m: 0-1	RANGE: ang cr jam	climber
*Tetrapleura					
*tetraptera (Schum. & Thonn.) Taub. cult.		PROV: ca	000m: 0-1	RANGE: wr	tree
Trifolium					
dubium Sibth.		PROV: ch	000m: 1-2,2-3	RANGE: ang asi cr eur nag	herb
repens L. cult.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: sag eur	herb
Ulex					
europaeus L.		PROV: ch	000m: 1-2	RANGE: cr eur	shrub
					tree
*Vatairea					
*erythrocarpa Ducke		PROV: ca	000m: 0-1	RANGE: bel gua	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
128 (83) LEGUMINOSAE cont.					
<i>Vigna</i>					
<i>adenantha</i> (G. Meyer) Marechal et al.		PROV: bo ca cc ch da he lo pa	000m: 0-1	RANGE: cag gag sat	climber
<i>caracalla</i> (L.) Verdc.		PROV: bo ca	000m: 0-1	RANGE: cag sat	climber
<i>juruana</i> (Harms) Verdc.		PROV: ca	000m: 0-1	RANGE: afr sag	climber
<i>lasiocarpa</i> (Benth.) Verdc.		PROV: cc ch da lo pa vr	000m: 0-1	RANGE: sao	climber
<i>linearis</i> (H.B.K.) Marechal et al.		PROV: cc pa	000m: 0-1	RANGE: cag mex sag sao	herb climber
<i>longifolia</i> (Benth.) Verdc.		PROV: ca ch da pa	000m: 0-1	RANGE: cub sao	climber
<i>luteola</i> (Jacq.) Benth.		PROV: bo ca ch cn pa sa	000m: 0-1	RANGE: cag gag sat	climber
<i>peduncularis</i> (H.B.K.) Fawc. & Rendl.		PROV: bo ca cc cn da pa sa vr	000m: 0-1	RANGE: cag gag sat	climber
<i>retusa</i> (Meyer) Walp.		PROV: pa	000m: 0-1	RANGE: afr owg sao?	herb climber
<i>unguiculata</i> (L.) Walp. cult.		PROV: cn pa	000m: 0-1	RANGE: sat	herb climber
<i>vexillata</i> (L.) A. Rich.		PROV: bo ca ch cn da pa	000m: 0-1	RANGE: cag sat wdt	climber
<i>Willardia</i>					
<i>schiedeana</i> (Schlecht.) Hermann		PROV: ch	000m: 0-1	RANGE: cag gua mex sal	tree
--var. <i>lindsayi</i> (Standl.) Hermann		PROV: ca	000m: 0-1	RANGE: cr mex	tree
<i>Zornia</i>					
<i>reticulata</i> J.E. Sm.		PROV: ca cc ch cn he lo pa vr	000m: 0-1	RANGE: cag nag sag sao	herb
<i>thymifolia</i> H.B.K.		PROV: ch	000m: 0-1	RANGE: cag mex	herb
129 (85) GERANIACEAE					
<i>Geranium</i>					
* <i>costaricense</i> H.E. Moore		PROV: bo	000m: 2-3	RANGE: cr	herb
<i>guatemalense</i> Knuth		PROV: ch	000m: 1-2	RANGE: cr gua sal	herb
<i>repens</i> Moore		PROV: ch	000m: 2-3, 3+	RANGE: cr gua mex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
130 (84) OXALIDACEAE					
<i>Averrhoa</i>					
<i>bilimbi</i> L.		cult. PROV: ca	000m: 0-1	RANGE: asi	tree
<i>carambola</i> L.		intr. cult. PROV: ca cn pa sa vr	000m: 0-1	RANGE: asi	tree
<i>Biophytum</i>					
<i>dendroides</i> (H.B.K.) DC.		PROV: cc	000m: 0-1	RANGE: cag col ecu mex	herb
<i>falcifolium</i> Lourt.		PROV: cc	000m: 0-1	RANGE: end	herb
<i>mucronatum</i> Lourt.		PROV: pa	000m: 0-1	RANGE: end	herb
<i>panamense</i> Lourt.		PROV: cc	000m: 0-1, 1-2	RANGE: end	shrub
<i>soukupii</i> Lourt.		PROV: da	000m: 0-1	RANGE: per	herb
					subshrub
<i>Oxalis</i>					
<i>articulata</i> Savigny		intr. cult.			
<i>barrelieri</i> L.		PROV: ch	000m: 0-1	RANGE: sao	herb
		PROV: bo ch cn he pa	000m: 0-1, 1-2	RANGE: nwg?	herb
<i>corniculata</i> L.					shrub
--var. <i>atropurpurea</i> Planch.					
cult. PROV: ca		000m: 0-1	RANGE: eur		herb
--subsp. <i>albicans</i> (H.B.K.) Lourt.		PROV: ch	000m: 1-2, 2-3	RANGE: gua hon mex nag	herb
--subsp. <i>corniculata</i>		PROV: bo ca cc ch	000m: 0-1, 1-2	RANGE: eur per wdw	herb
<i>debilis</i> H.B.K.					herb
--var. <i>corymbosa</i> (DC.) Lourt.		PROV: bo ch	000m: 0-1, 1-2	RANGE: sag wdw	herb
<i>dombeii</i> St. Hil.		PROV: da pa	000m: 0-1	RANGE: ecu gal per	herb
<i>filiformis</i> H.B.K.		PROV: ch	000m: 1-2	RANGE: col cr ecu	herb
<i>frutescens</i>					
--subsp. <i>angustifolia</i> (H.B.K.) Lourt.		PROV: bo cc he pa	000m: 0-1	RANGE: cag mex sag sao tex	subshrub
<i>latifolia</i> H.B.K.		PROV: ch	000m: 1-2, 2-3	RANGE: afr ang bol cr eur	shrub
<i>microcarpa</i> Benth.		PROV: ca ch da pa sa	000m: 0-1	RANGE: mex oce sag? sao	herb
<i>rhombifolia</i> Jacq.		vr		RANGE: cag ecu mex	subshrub
<i>spiralis</i> Don		PROV: ch	000m: 1-2	RANGE: cag col mex ven	shrub
--subsp. <i>vulcanicola</i> (J.D. Sm.) Lourt.					
<i>tetraphylla</i> Cav.		PROV: ch	000m: 1-2, 2-3, 3+	RANGE: cag cr	herb
		PROV: ch	000m: 1-2	RANGE: mex wdw	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
131 (86) TROPAEOLACEAE					
<i>Tropaeolum</i>					
<i>emarginatum</i> Turcz.		PROV: bo ch	000m: 1-2,2-3	RANGE: cag col mex	climber
<i>majus</i> L.	cult.	PROV: wp	000m: we	RANGE: eur per	climber
<i>pendulum</i> Kl.		PROV: ch	000m: 1-2	RANGE: col cr ecu	climber
133 (87A) HUMIRIACEAE					
<i>Humiriastrum</i>					
<i>diguense</i> (Cuatr.) Cuatr.		PROV: ca da pa	000m: 0-1,1-2	RANGE: col cr	tree
<i>Sacoglottis</i>					
<i>ovicarpa</i> Cuatr.		PROV: cn pa sa	000m: 0-1	RANGE: col	tree
<i>trichogyna</i> Cuatr.		PROV: cn	000m: 0-1	RANGE: cr	tree
<i>Vantanea</i>					
<i>occidentalis</i> Cuatr.		PROV: ca vr	000m: 0-1,1-2	RANGE: col	tree
134 (87) ERYTHROXYLACEAE					
<i>Erythroxylum</i>					
<i>*amplum</i> Benth.		PROV: ch cn da pa	000m: 0-1,1-2	RANGE: sat	tree
<i>*areolatum</i> L.		PROV: ca pa	000m: 0-1	RANGE: gag mex nic	tree
<i>brennae</i> D'Arcy & Schanen		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>citrifolium</i> St. Hil.		PROV: ca cc cn pa	000m: 0-1	RANGE: cr sat	shrub
<i>dauidii</i> D'Arcy & Schanen		PROV: da	000m: 0-1	RANGE: end	tree
<i>havanense</i> Jacq.		PROV: ca pa	000m: 0-1	RANGE: cag gag sat	shrub
<i>lucidum</i> H.B.K.					
--var. <i>costaricense</i> (J.D. Sm.) O.E. Schulz		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	shrub
--var. <i>lucidum</i>	cult.	PROV: bo ch cn da he lo pa vr	000m: 0-1	RANGE: cr sao	tree
<i>*macrophyllum</i> Cav.		PROV: cc pa	000m: 0-1	RANGE: bel per sao ven	shrub
<i>*novogranatense</i> (Morris) Hieron.	intr. cult.				treelet
<i>*oxycarpum</i> O.E. Schulz		PROV: ca pa PROV: da pa	000m: 0-1 000m: 0-1,1-2	RANGE: col RANGE: col lag ven	shrub tree

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
134 (87) ERYTHROXYLACEAE cont.					
panamense Turcz.		PROV: ca cn da lo pa sa vr	000m: 0-1	RANGE: col sat	shrub tree
*skutchii Standl.		PROV: ca cn	000m: 0-1	RANGE: cr	shrub tree
135 (88) ZYGOPHYLLACEAE					
Kallstroemia					
*incana Rydb.		PROV: ca	000m: 0-1	RANGE: ang	herb
maxima (L.) Hook. & Arn.		PROV: ca ch cn he lo pa	000m: 0-1	RANGE: ang cag fla mex nao nao sag? tex	herb
pubescens (G. Don) Dandy intr.		PROV: pa	000m: 0-1	RANGE: afr asi cag ecu fla jam lag mex per sag?	herb
Tribulus					
*cistoides L.		PROV: ca	000m: 0-1	RANGE: afr	herb
terrestris L.		PROV: ca	000m: 0-1	RANGE: ang	herb
137 (89) RUTACEAE					
*Amyris					
*elemifera L.		PROV: pa	000m: 0-1	RANGE: cag	shrub
Angostura					
nicaraguiensis (Standl. & L.O. Wms.) Elias		PROV: cc cn da pa	000m: 0-1	RANGE: nic	shrub tree
Citrus					
aurantifolia (Christm.) Swingle					
intr. cult.		PROV: ca da pa	000m: 0-1	RANGE: asi	shrub tree
aurantium L.		intr. cult.			
		PROV: bo ca ch da pa	000m: 0-1	RANGE: asi	tree
grandis (L.) Osbeck		intr. cult.			
		PROV: ca	000m: 0-1	RANGE: ang asi	tree
limon (L.) Burm. f.		intr. cult.			
		PROV: ca ch da	000m: 0-1	RANGE: asi	tree
reticulata Blanco		intr. cult.			
		PROV: ca cc	000m: 0-1	RANGE: asi	tree
sinensis (L.) Osbeck		intr. cult.			
		PROV: ca ch cn da	000m: 0-1,1-2	RANGE: asi	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
137 (89) RUTACEAE cont.					
<i>Erythrochiton</i>					
<i>incomparabilis</i> Riley		PROV: cc vr	000m: 0-1	RANGE: end	shrub tree
<i>lindeni</i> (Baill.) Hemsl.		PROV: bo	000m: 0-1	RANGE: cag mex	shrub tree
<i>Esenbeckia</i>					
<i>alata</i> (Karst. & Triana) Tr. & Pl.		PROV: lo pa	000m: 0-1	RANGE: sat	tree
<i>litoralis</i> J.D. Sm.		PROV: pa	000m: 0-1	RANGE: cag	shrub
<i>panamensis</i> Elias		PROV: cn da	000m: 0-1	RANGE: col	shrub tree
<i>Galipea</i>					
<i>panamensis</i> Elias		PROV: cn da pa	000m: 0-1	RANGE: end	tree
<i>trifoliata</i> Aubl.		PROV: da	000m: 0-1	RANGE: col gui	tree
<i>Hortia</i>					
<i>colombiana</i> Gleason		PROV: cn pa	000m: 0-1	RANGE: col	tree
<i>Murraya</i>					
<i>paniculata</i> (L.) Jacks. cult.		PROV: bo ca pa	000m: 0-1	RANGE: asi	shrub tree
* <i>Raputia</i>					
* <i>subsigmoidea</i> Ducke		PROV: da pa	000m: 0-1,1-2	RANGE: cag	tree
* <i>Ravenia</i>					
* <i>rosea</i> Standl.		PROV: vr	000m: 1-2	RANGE: wr	shrub
<i>Ticorea</i>					
<i>unifoliolata</i> Elias		PROV: cn pa	000m: 0-1	RANGE: col	tree
* <i>Triphasia</i>					
* <i>trifolia</i> (Burm. f.) P. Wils. cult.		PROV: pa	000m: 0-1	RANGE: ang asi	viny shrub
<i>Zanthoxylum</i>					
<i>belizense</i> Lund.		PROV: ca cn sa	000m: 0-1	RANGE: bel col? cr gua hon	tree
<i>chiriquinum</i> Standl.		PROV: ch	000m: 1-2,2-3	RANGE: mex nic cr	shrub tree
<i>elephantiasis</i> Macfad.		PROV: da	000m: 0-1	RANGE: cr gag jam	tree
<i>eliasii</i> D.M. Porter		PROV: da	000m: 0-1,1-2	RANGE: end	tree
<i>fagara</i> (L.) Sarg.		PROV: pa	000m: 0-1	RANGE: cag fla mex per sag	shrub tree
<i>jaimeii</i> D.M. Porter		PROV: da	000m: 0-1,1-2	RANGE: sao tex	tree
<i>limoncello</i> Planch. & Oerst.		PROV: ch	000m: 1-2	RANGE: cr	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
137 (89) RUTACEAE cont.					
melanostictum Schlecht. & Cham.		PROV: pa vr	000m: 0-1,1-2	RANGE: cag mex	tree
microcarpum Griseb.		PROV: pa	000m: 0-1	RANGE: cag lag mex sag? trt	shrub
panamense P. Wils.		PROV: bo ca ch cn da	000m: 0-1	RANGE: cr	tree
pittieri P. Wils.		PROV: da	000m: 0-1	RANGE: wr	tree
procerum J.D. Sm.		PROV: ca ch cn da pa	000m: 0-1	RANGE: cag cr mex	tree
pucro D.M. Porter		PROV: da	000m: 0-1	RANGE: end	tree
scheryi Lund.		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
setulosum P. Wils.		PROV: ca cc da he lo	000m: 0-1	RANGE: cr	shrub
tripetalum (Standl.) D.M. Porter		PROV: pa ch	000m: 1-2	RANGE: end	tree
138 (90) SIMAROUBACEAE					
Picramnia					
allenii D.M. Porter		PROV: bo cc ch	000m: 0-1,1-2	RANGE: cr	shrub
carpinteraе Polak.		PROV: ch	000m: 1-2	RANGE: cr	tree
cooperi D.M. Porter		PROV: bo	000m: 0-1	RANGE: cr	shrub
corallodendron Tul.		PROV: cn da pa	000m: 0-1,1-2	RANGE: bol? col ecu? per	tree
dwyeri D.M. Porter		PROV: ca da pa sa vr	000m: 0-1	RANGE: end	shrub
latifolia Tul.		PROV: bo ca ch da lo	000m: 0-1	RANGE: col cr	tree
		pa sa vr			shrub
					tree
Quassia					
amara L.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang cag? mex sag? sao	shrub
		da pa vr			tree
Simaba					
cedron Planch.	cult.	PROV: da he pa sa	000m: 0-1	RANGE: cag sao	shrub
					tree
Simarouba					
amara Aubl.		PROV: ca pa vr	000m: 0-1	RANGE: bel bol cag? cr lag	tree
*glauca DC.		PROV: ca pa vr	000m: 0-1	RANGE: sag? sao	tree
				RANGE: cag	tree
*Suriana					
*maritima L.		PROV: sa	000m: 0-1	RANGE: ang oce	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
139 (91) BURSERACEAE					
Bursera					
simaruba (L.) Sarg.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: ang cag col fla mex ven	tree
tomentosa (Jacq.) Tr. & Pl.		PROV: cc he lo pa vr	000m: 0-1	RANGE: abc col cr ven	tree
*Canarium					
*commune L.	intr. cult.	PROV: ca ch	000m: 0-1	RANGE: oce	tree
Protium					
*correae D.M. Porter		PROV: pa	000m: 0-1	RANGE: end	tree
costaricense (Rose) Engl.		PROV: ca pa sa	000m: 0-1	RANGE: cr	tree
glabrum (Rose) Engl.		PROV: bo ca ch cn pa vr	000m: 0-1	RANGE: cr	tree
inconforme Pitt.		PROV: ch cn lo pa	000m: 0-1	RANGE: end	tree
panamense (Rose) I.M. Johnst.		PROV: bo ca cc ch cn pa sa	000m: 0-1	RANGE: end	tree
pittieri (Rose) Engl.		PROV: bo vr	000m: 0-1,1-2	RANGE: cr	shrub tree
tenuifolium					shrub
--subsp. meleodii (I.M. Johnst.) D.M. Porter		PROV: da pa	000m: 0-1	RANGE: end	tree
--subsp. sessiliflorum (Rose) D.M. Porter		PROV: ca ch da pa	000m: 0-1	RANGE: cr	tree
Tetragastris					
panamensis (Engl.) Kuntze		PROV: ca cc ch cn da pa sa vr	000m: 0-1	RANGE: bel cr gui hon nic per sao ven	tree
tomentosa D.M. Porter		PROV: bo	000m: 0-1	RANGE: end	tree
Trattinnickia					
aspera (Standl.) Swart		PROV: bo ca pa	000m: 0-1	RANGE: col	tree
burserifolia Mart.		PROV: cc	000m: 0-1	RANGE: col gui lag? sao ven	tree
*panamensis Standl. & Wms.		PROV: ch	000m: 2-3	RANGE: end	tree

140 (92) MELIACEAE

Carapa					
guianensis Aubl.		PROV: bo ca cn sa vr	000m: 0-1	RANGE: ang bel cag? col cr sag? sao	tree
nicaraguensis C. DC.		PROV: bo ca da	000m: 0-1	RANGE: cag? ecu nic sag?	tree
Cedrela					
angustifolia DC.		PROV: ca cc ch da he pa	000m: 0-1,1-2	RANGE: cag? mex per sag? sao	tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
140 (92) MELIACEAE cont.					
*fissilis Vell. odorata L.		PROV: ca ch PROV: bo ca ch cn da he	000m: 0-1 000m: 0-1	RANGE: cr per sag sao RANGE: ang cag mex per sag sao	tree tree
tonduzii C. DC.		PROV: ch	000m: 0-1,1-2	RANGE: cag mex	tree
Guarea glabra Vahl		PROV: ca cc ch cn da lo pa vr	000m: 0-1,1-2	RANGE: ang bol? cag col ecu mex ven	tree
*grandifolia DC.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: bol cag? mex sag?	tree
guidonia (L.) Sleumer		PROV: ca ch cn da pa sa	000m: 0-1	RANGE: nwg?	tree
kunthiana A. Juss.		PROV: ca ch da	000m: 0-1,1-2	RANGE: bol cag? mex sag?	tree
*macropetala Penning.		PROV: bo cn da pa vr	000m: 0-1,1-2	RANGE: end	tree
*pteriorhachis Harms		PROV: bo pa	000m: 0-1	RANGE: per sao sat	tree
*rhopalocarpa Radik.		PROV: cc pa vr	000m: 0-1,1-2	RANGE: cr	tree
tonduzii C. DC.		PROV: ca ch da	000m: 0-1,1-2	RANGE: cr	tree
Melia azedarach L.		intr. cult. PROV: bo ca ch cn pa vr	000m: 0-1	RANGE: ang cr owt sat	tree
Ruarea *glabra Tr. & Pl. *insignis (C. DC.)		PROV: bo ch vr PROV: ch	000m: 0-1 000m: 0-1	RANGE: cag per sat RANGE: bol cag cr per	treelet tree
*Sandoricum *koetjape (Burm. f.) Merr.		intr. cult. PROV: ca	000m: 0-1	RANGE: wr	tree
Swietenia macrophylla G. King *mahagoni Jacq.	cult. cult.	PROV: ca pa PROV: pa	000m: 0-1 000m: 0-1	RANGE: cag mex per sag? sao RANGE: nwt	tree tree
Trichilia *acuminata (R. & S.) C. DC. glabra L.		PROV: da sa PROV: ch da	000m: 0-1 000m: 1-2	RANGE: sat RANGE: ang cag mex	shrub shrub tree
hirta L.		PROV: ca ch da lo pa vr	000m: 0-1	RANGE: cag mex sag sao	tree
*martiana C. DC.		PROV: cc ch cn da lo pa	000m: 0-1	RANGE: cag	tree
*pallida Sw.		PROV: bo ca ch cn da pa vr	000m: 0-1,1-2	RANGE: cag mex sag sao	tree
*pleeana (A. Juss.) C. DC.		PROV: ca cn da lo pa sa	000m: 0-1	RANGE: bol gui sao sat trt ven	tree
*poeppigii C. DC. *quadrijuga H.B.K.		PROV: cn da pa	000m: 0-1	RANGE: sat	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
140 (92) MELIACEAE cont.					
*--subsp. cinerascens (C. DC.) Penning.		PROV: bo cc cn da pa	000m: 0-1,1-2	RANGE: cag? mex sag?	tree
*--subsp. quadrijugata		PROV: ch da	000m: 0-1	RANGE: cag per sao sat	tree
*septentrionalis C. DC.		PROV: ch pa sa	000m: 0-1	RANGE: cr lag per sao sat	tree
*skutchii Morton & Alten		PROV: cn	000m: 0-1	RANGE: wr	shrub
tomentosa H.B.K.		PROV: bo ch pa	000m: 0-1	RANGE: cag? mex per sag?	tree
trifolia L.		PROV: cc da he pa pa	000m: 0-1	RANGE: cag? col mex ven	shrub
tuberculata (Tr. & Pl.) C. DC.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: bol cag? gua sat	tree
141 (93) MALPIGHIACEAE					
Banisteriopsis					
*acapulcensis (Rose) Small		PROV: ca	000m: 0-1	RANGE: cag col mex	shrub
*elegans (Tr. & Pl.) Sandw.		PROV: bo cc ch cn da	000m: 0-1,1-2	RANGE: cag? col gua gui per	climber
muricata (Cav.) Cuatr.		PROV: lo pa		sag?	climber
		PROV: ca cc ch he lo	000m: 0-1	RANGE: bol cag col mex per	climber
		pa sa vr		sag	
*nutans (Ndzu.) B. Gates		PROV: cn da pa	000m: 0-1	RANGE: bol per ven	climber
*platyptera (Griseb.) Cuatr.		PROV: da	000m: 1-2	RANGE: sao ven	climber
*wilburii B. Gates		PROV: cn pa	000m: 0-1	RANGE: col cr	climber
*wurdackii B. Gates		PROV: ca cn lo pa vr	000m: 0-1	RANGE: col cr gua per sat	climber
Bunchosia					
cornifolia H.B.K.		PROV: bo ca ch cn da	000m: 0-1	RANGE: cag col mex	shrub
		lo pa vr			tree
diphylla (Jacq.) Cuatr. & Croat					
--subsp. brevisurcularis (Dobson)		Cuatr. & Croat			
		PROV: cn da	000m: 0-1	RANGE: end	shrub
dwyeri Cuatr. & Croat		PROV: bo ca ch da pa	000m: 0-1,1-2	RANGE: cag	tree
		vr			shrub
*hartwegiana Benth.					tree
*--var. brevisurcularis Cuatr. & Croat					
		PROV: da	000m: 0-1	RANGE: end	tree
lanieri Wats.		PROV: ch	000m: 0-1	RANGE: cag? gua	shrub
lindeniana Juss.		PROV: bo cn sa	000m: 0-1	RANGE: cag mex	tree
macrophylla Rose		PROV: cn	000m: 0-1	RANGE: cr	shrub
odorata (Jacq.) H.B.K.		PROV: bo ca cc ch da	000m: 0-1	RANGE: col ven	shrub
		he lo pa vr			tree
*pittieri Cuatr. & Croat		PROV: ch	000m: 0-1	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
141 (93) MALPIGHIACEAE cont.					
ternata Dobson		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
tutensis Dobson		PROV: vr	000m: 0-1	RANGE: end	tree shrub tree
Byrsonima					
crassifolia (L.) H.B.K.		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1,1-2	RANGE: ang cag col mex sag? sao	tree
nemoralis					
--subsp. dressleri (Lewis) Cuatr. & Croat		PROV: pa	000m: 0-1	RANGE: end	tree
spicata (Cav.) H.B.K.		PROV: ca cc cn da pa sa	000m: 0-1	RANGE: ang col cr ven	tree
Galphimia					
gracilis Bartl.		intr. cult. PROV: cc lo pa	000m: 0-1	RANGE: ang mex	shrub
Heteropteris					
beeheyana Juss.		PROV: ch he vr	000m: 0-1	RANGE: bol cag? col mex sag?	climber
buricana Cuatr. & Croat		PROV: ch	000m: 0-1	RANGE: end	climber
laurifolia (L.) Juss.		PROV: bo ca cc cn lo pa sa vr	000m: 0-1	RANGE: ang bol cr gui jam mex per sag? sao ven	climber climb shrub
--var. brevibracteolata Cuatr. & Croat		PROV: ca	000m: 0-1	RANGE: end	climber
macrostachya Juss.		PROV: da pa vr	000m: 0-1	RANGE: ang? gui sag?	climber
multiflora (DC.) Hochr.		PROV: bo pa sa	000m: 0-1	RANGE: col gui	climber shrub tree climber
obovata (Small) Cuatr. & Croat		PROV: ca ch cn da lo vr	000m: 0-1	RANGE: cag? cr hon	climber
panamensis Cuatr. & Croat		PROV: ca cn pa	000m: 0-1	RANGE: end	climber
Hiraea					
fagifolia (DC.) Juss.		PROV: bo ch	000m: 1-2	RANGE: bel cag col gui mex? per sao ven	climber
faginea (Sw.) Ndzu.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: ang cag? nic	climber
grandifolia Standl. & L.O. Wms.					
--var. grandifolia		PROV: ca ch cn	000m: 0-1	RANGE: cr	climber
--var. parvifructa Cuatr. & Croat		PROV: ca cc cn pa	000m: 0-1	RANGE: end	climber
papilionacea Cuatr. & Croat					
cult.		PROV: ca	000m: 0-1	RANGE: wr	climber shrub
quapara (Aubl.) Sprague		PROV: ca cn da pa	000m: 0-1	RANGE: cag? gui mex sag?	climber
reclinata Jacq.		PROV: ca ch cn da pa	000m: 0-1	RANGE: cag col mex sao ven	climber
*ternifolia (H.B.K.) A. Juss.		PROV: da	000m: 0-1	RANGE: col	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
141 (93) MALPIGHIACEAE cont.					
Jubelina wilburi W.R. Anderson		PROV: cn vr	000m: 0-1	RANGE: cr	climber
Malpighia albiflora (Cuatr.) Cuatr.		PROV: ch cn da pa vr	000m: 0-1,1-2	RANGE: col cr	shrub tree
emarginata DC.	cult.	PROV: cc lo pa	000m: 0-1	RANGE: cr ecu lag mex pr	shrub tree
glabra L.		PROV: ca ch da lo pa sa vr	000m: 0-1,1-2	RANGE: col cr gua his jam mex ven	shrub tree
romeroana Cuatr.		PROV: bo ca cn da pa sa vr	000m: 0-1	RANGE: cag col gua mex	shrub
Mascagnia dukei Cuatr. & Croat	cult.	PROV: pa	000m: 0-1	RANGE: nwt	climber
hippocrateoides (Tr. & Pl.) Ndzu.		PROV: ca pa	000m: 0-1	RANGE: col ecu	climber
nervosa Ndzu.		PROV: ca da pa vr	000m: 0-1	RANGE: col trt ven	climber shrub
platyrachis (Tr. & Pl.) Cuatr.		PROV: cn	000m: 0-1	RANGE: col	climber
sericans Ndzu.					
--subsp. buricana Cuatr. & Croat		PROV: ch	000m: 0-1	RANGE: cr	climber
violacea (Tr. & Pl.) Ndzu.		PROV: cc ch	000m: 0-1	RANGE: col	climber
Mezia includens (Benth.) Cuatr.		PROV: pa	000m: 0-1	RANGE: col gui per sao ven	climber
Pterandra isthmica Cuatr. & Croat		PROV: pa	000m: 0-1	RANGE: end	tree
Spachea correae Cuatr. & Croat		PROV: cn	000m: 0-1	RANGE: end	tree
elegans (G. Meyer) Juss.		PROV: da pa	000m: 0-1,2-3	RANGE: ang gui sag? trt	tree
membranacea Cuatr.		PROV: ca da pa sa	000m: 0-1	RANGE: col	tree
Stigmaphyllon ellipticum (H.B.K.) Juss.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1,1-2	RANGE: ang col cr ecu mex	climber
humboldtianum (DC.) Juss.		PROV: ca da pa vr	000m: 0-1,1-2	RANGE: cag? col mex per sag?	climber
hypargyreum Tr. & Pl.		PROV: ca ch lo pa	000m: 0-1	RANGE: col	climber
lindenianum Juss.		PROV: bo ca ch cn da lo pa sa	000m: 0-1	RANGE: cag mex ven	climber
ovatum (Cav.) Ndzu.		PROV: ca cn pa	000m: 0-1	RANGE: ang bel col gui his sao	shrub
puberum (Rich.) Juss.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: ang gua gui per sao	climber
Tetrapteris crispa Juss.		PROV: cc lo pa	000m: 0-1	RANGE: bol col gui sao ven	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
141 (93) MALPIGHIACEAE cont.					
discolor (G. Meyer) DC.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bol cag? col gua gui	climber
hirsutula Cuatr. & Croat		PROV: da	000m: 0-1	lag sag?	shrub
macrocarpa Johnst.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: end	climber
		da he pa sa vr		RANGE: bel cag gua	climber
seemannii Tr. & Pl.		PROV: ca ch da lo pa	000m: 0-1	RANGE: col	shrub
		sa			climber
subaptera Cuatr.		PROV: da	000m: 0-1	RANGE: col	shrub
tysonii Cuatr. & Croat		PROV: pa	000m: 0-1	RANGE: end	climber
142 (94) TRIGONIACEAE					
Trigonía					
*eriosperma (Lam.) Fromm & Santus					
*--subsp. membranacea (A.C. Sm.) Lleras		PROV: da	000m: 0-1	RANGE: sao	climber
*rugosa Benth.		PROV: ca da	000m: 0-1	RANGE: cag col cr mex	climber
					shrub
143 (95) VOCHYSIACEAE					
Qualea					
cymulosa Schery		PROV: da	000m: 0-1	RANGE: col	tree
*polychroma Stapf.		PROV: pa sa	000m: 0-1	RANGE: gui	tree
Vochysia					
*allenii Standl. & Wms.		PROV: pa	000m: 0-1	RANGE: col	tree
ferruginea Mart.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag? cr nic per sag?	tree
		pa sa vr			
hondurensis Sprague		PROV: bo ch	000m: 0-1	RANGE: cag mex	tree
*jefensis A. Robyns		PROV: da pa sa	000m: 0-1, 1-2	RANGE: end	shrub
*speciosa Warm.		PROV: da	000m: 0-1	RANGE: col sat	tree
145 (96) POLYGALACEAE					
*Bredemeyera					
*lucida (Benth.) Benn.		PROV: da	000m: 0-1	RANGE: bel gua hon ven	climber
Monnina					
*deppel G. Don		PROV: cc lo vr	000m: 0-1, 1-2	RANGE: cr hon nic	shrub
*saprogena J.D. Sm.		PROV: ch vr	000m: 1-2, 2-3	RANGE: cr	shrub
*speciosa Tr. & Pl.		PROV: da	000m: 1-2	RANGE: wr	climber
sylvatica Schlecht. & Cham.		PROV: cc ch da lo vr	000m: 0-1, 1-2, 2-3, 3+	RANGE: cag mex	shrub
					herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
145 (96) POLYGALACEAE cont.					
xalapensis H.B.K.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag mex	herb shrub tree
Moutabea longifolia P. & E.		PROV: cc	000m: 0-1	RANGE: cag	shrub
Polygala					
aparinoides Hook. & Arn.		PROV: ch cn	000m: 0-1,1-2	RANGE: bel gua mex	herb
asperuloides H.B.K.		PROV: cc pa	000m: 0-1	RANGE: bel col gua ven	herb
*dukei Barringer		PROV: da	000m: 0-1	RANGE: end	tree
fendleri Chod.					
--var. heterothrix Blake		PROV: cc ch	000m: 0-1,1-2	RANGE: end	herb
hygrophila H.B.K.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: bel cr his sag?	herb
jefensis W.H. Lewis		PROV: pa vr	000m: 0-1	RANGE: end	herb shrub
leptocaulis Torr. & Gray		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: ang cag nao sag? sao	herb
longicaulis H.B.K.		PROV: ca cc ch pa vr	000m: 0-1	RANGE: ang cag mex per sag sao	herb
panamensis Chod.		PROV: cc ch	000m: 0-1,1-2	RANGE: end	subshrub
paniculata L.		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1,1-2,2-3	RANGE: cag sag? sao tex	herb
timoutou Aubl.		PROV: ca pa	000m: 0-1	RANGE: bel cr sag? trt	herb
variabilis H.B.K.		PROV: cc	000m: 0-1	RANGE: cag mex sag? trt	herb
*violacea Aubl. emend. Marq.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: ang cag mex sag sao	herb
wurdackiana W.H. Lewis		PROV: cc cn vr	000m: 0-1,1-2	RANGE: end	herb
Securidaca					
*cristata A.C. Sm.		PROV: pa	000m: 0-1	RANGE: sat	climber
diversifolia (L.) Blake		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: cag lag mex per sag?	shrub climber
tenuifolia Chod.		PROV: ca cn da pa vr	000m: 0-1	RANGE: trt	shrub climber

146 (96A) DICHAPETALACEAE

Dichapetalum					
axillare Woods.		PROV: cc ch sa sa	000m: 0-1	RANGE: col cr	tree
*donnell-smithii Engl.					
*--var. chiapasense (Standl.) Prance					
		PROV: cn	000m: 0-1	RANGE: cag	tree
*--var. donnell-smithii		PROV: bo	000m: 1-2	RANGE: cag	tree
*gentryi Prance		PROV: bo pa	000m: 0-1	RANGE: end	shrub
nevermannianum Standl. & Valerio		PROV: bo	000m: 0-1	RANGE: cr	shrub
*Tapura					
*colombiana Cuatr.		PROV: sa	000m: 0-1	RANGE: col	tree
*cubensis (P. & E.) Griseb.		PROV: pa	000m: 0-1	RANGE: cub	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
146 (96A) DICHAPETALACEAE cont.					
*panamensis Prance		PROV: pa	000m: 0-1	RANGE: end	climber
147 (97) EUPHORBIACEAE					
Acalypha					
alopecuroidea Jacq.		PROV: ca cc cn da pa	000m: 0-1	RANGE: ang bah cag col mex	herb
arvensis Poepp.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: nao per ven	herb
costaricensis Pax & Hoffm.		PROV: bo ca pa	000m: 0-1	RANGE: cr gua hon	shrub
diversifolia Jacq.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bol cag mex per sao	shrub
*hispidula Burm. f.	cult.	PROV: ca pa	000m: 0-1	RANGE: sat	shrub
leptopoda Muell.-Arg.		PROV: ch lo	000m: 0-1, 1-2	RANGE: owt	shrub
macrostachya Jacq.		PROV: bo ca cc cn da	000m: 0-1	RANGE: cag mex	shrub
polystachya Jacq.		PROV: bo ch	000m: 0-1	RANGE: cag mex per	tree
septemloba Muell.-Arg.		PROV: ch	000m: 1-2	RANGE: cag mex per	shrub
villosa Jacq.		PROV: bo ca ch da pa	000m: 0-1	RANGE: cr	herb
*wilkesiana Muell.-Arg.	cult.	PROV: ca	000m: 0-1	RANGE: cag mex per sao sat	shrub
Acideton					
nicaraguensis (Hemsl.) Webster		PROV: cn da pa sa	000m: 0-1	RANGE: owt	shrub
Adelia					
triloba (Muell.-Arg.) Hemsl.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cr nic	tree
*Adenophaedra					
*grandifolia (Kl.) Muell.-Arg.		PROV: vr	000m: 0-1, 1-2	RANGE: cr nic	shrub
Alchornea					
costaricensis Pax & Hoffm.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cr gui sao	tree
glandulosa Poepp.		PROV: da lo pa		RANGE: col cr	tree
*--var. pittieri (Pax) Pax		PROV: bo da vr	000m: 0-1, 1-2	RANGE: cr per sat ven	tree
*grandiflora (Kl.) Muell.-Arg.		PROV: ch da	000m: 0-1	RANGE: ven	tree
grandis Benth.		PROV: da vr	000m: 0-1	RANGE: col	tree
latifolia Sw.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: cag col gag mex per	tree
*megalophylla Muell.-Arg.		PROV: da	000m: 0-1, 1-2	RANGE: ven	tree
*triplinervia (Spr.) Muell.-Arg.		PROV: cc da	000m: 0-1, 1-2	RANGE: col sag	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
147 (97) EUPHORBIACEAE cont.					
<i>Alchorneopsis floribunda</i> (Benth.) Muell.-Arg.		PROV: da	000m: 0-1	RANGE: col pr ecu sao	cr ecu gui his tree
<i>Amanoa guianensis</i> Aubl.		PROV: ca cn sa	000m: 0-1	RANGE: sao	sat ven tree
<i>Argythamnia macrobotrys</i> (Pax & Hoffm.) Ingram		PROV: pa	000m: 0-1	RANGE: end	shrub
* <i>Astrocasia tremula</i> (Griseb.) Webster		PROV: ca cn	000m: 0-1	RANGE: cag	jam mex treelet
<i>Bernardia denticulata</i> (Standl.) Webster		PROV: bo	000m: 0-1	RANGE: cr	tree
<i>macrophylla</i> Standl.		PROV: pa	000m: 0-1	RANGE: cr	shrub
<i>Caperonia neglecta</i> Webster		PROV: ca pa	000m: 0-1	RANGE: end	herb
<i>paludosa</i> Kl.		PROV: ca cc pa	000m: 0-1	RANGE: cag	gui mex sag herb
<i>palustris</i> (L.) St. Hil.		PROV: ca cn da lo pa	000m: 0-1	RANGE: cag sao	fla nao per sag herb
<i>Caryodendron angustifolium</i> Standl.		PROV: ch da lo	000m: 0-1	RANGE: end	tree
<i>Chamaesyce ammannioides</i> (H.B.K.) Small		PROV: ca vr	000m: 0-1	RANGE: bel nic sat	cr cub mex nas herb
<i>bahiensis</i> (Kl. & Garcke) Dugand & Burch		PROV: ca vr	000m: 0-1	RANGE: cr sat	jam mex nic sao herb
<i>buxifolia</i> (Lam.) Small		PROV: bo sa	000m: 0-1	RANGE: ang	bah cag fla ven subshrub
<i>densiflora</i> (Kl. & Garcke) Millsp.		PROV: ch he	000m: 0-1, 1-2	RANGE: cag	mex sat herb
<i>dioica</i> (H.B.K.) Millsp.		PROV: cc	000m: 0-1	RANGE: cag	mex sat herb
<i>hirta</i> (L.) Millsp.		PROV: bo ca cc ch cn da he lo pa	000m: 0-1	RANGE: wdw	herb
<i>hypericifolia</i> (L.) Millsp.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: nwg	herb
<i>hyssopifolia</i> (L.) Small		PROV: bo ca cc ch cn da he lo pa	000m: 0-1, 1-2	RANGE: nwg owg	herb
<i>lasiocarpa</i> (Kl.) Arthur		PROV: ca lo pa	000m: 0-1	RANGE: cag	fla gag mex sat herb
* <i>mesembrianthemifolia</i> Jacq.		PROV: sa	000m: 0-1	RANGE: nwt	herb
<i>thymifolia</i> (L.) Millsp.		PROV: bo ca cc ch cn da he lo	000m: 0-1	RANGE: wdw	herb
<i>Cleidion</i>					
* <i>castaneifolium</i> Muell.-Arg.		PROV: da	000m: 0-1	RANGE: cr? ecu	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
147 (97) EUPHORBIACEAE cont.					
woodsonianum Croiz.		PROV: ca pa	000m: 0-1	RANGE: per	tree
Cnidoscolus aconitifolius (Mill.) I.M. Johnst. cult.		PROV: ca vr	000m: 0-1	RANGE: cag mex	tree
urens (L.) Arthur		PROV: ca cc da he lo pa vr	000m: 0-1	RANGE: cag mex sao sat	shrub herb subshrub
*Codiaeum *variegatum (L.) Blume	cult.	PROV: ca pa	000m: 0-1	RANGE: cr oce	tree
Croton *argenteus L. billbergianus Muell.-Arg.		PROV: pa PROV: bo ca cn da pa sa vr	000m: 0-1 000m: 0-1	RANGE: cag mex sao tex RANGE: cr	herb shrub tree
*brevipes Pax fragrans H.B.K. hircinus Vent.		PROV: wp PROV: ca da pa sa PROV: cc ch he pa	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: cr RANGE: col ven RANGE: lag ven	shrub shrub shrub tree
hirtus L'Her.		PROV: ca cc ch cn he lo pa	000m: 0-1	RANGE: ang cag sat	herb
*lanjouwensis Jabl. lobatus L.		PROV: cc pa PROV: ca he pa sa	000m: 0-1 000m: 0-1	RANGE: gui ven RANGE: bah cag fla nwt per	tree herb
*niveus Jacq. pseudoniveus Lund.		PROV: da PROV: cc pa	000m: 0-1 000m: 0-1	RANGE: col cr gag ven RANGE: mex	tree shrub tree
punctatus Jacq. pungens Jacq.		PROV: bo ca cn vr PROV: ch	000m: 0-1 000m: 1-2	RANGE: bah cag cub nao nas RANGE: cr per sao ven	shrub shrub tree
pyriticus Croiz. schiedeanus Schlecht.		PROV: ch PROV: bo cc ch cn da pa sa vr	000m: 1-2 000m: 0-1, 1-2	RANGE: cr RANGE: cag col cr gui mex per sao ven	tree tree
*smithianus Croiz. tenuicaudatus Lund. trinitatis Millsp.		PROV: cn da PROV: cc ch PROV: ca cc cn he pa	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: col cr nic RANGE: cr RANGE: ang bah cag fla nwt owt per	tree tree herb
Dalechampia cissifolia Poepp. --subsp. panamensis (Pax & Hoffm.) Webster		PROV: bo ca cn pa PROV: bo ca ch cn da pa	000m: 0-1 000m: 0-1	RANGE: cag gua per RANGE: col cr per ven	climber climber
dioscoreifolia Poepp. friedrichsthali Muell.-Arg. scandens L. --var. scandens		PROV: ca cn sa PROV: ca cc da lo pa PROV: cc	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: cr nic RANGE: nwt RANGE: cr	climber
*shankii (Mol.) Huft tilliifolia Lam.		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: cag hon mex per sao sat	climber climber climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
147 (97) EUPHORBIACEAE cont.					
*websteri Armbruster		PROV: bo	000m: 0-1	RANGE: col cr	climber
*Drypetes					
*standleyi Webster		PROV: ca cn vr	000m: 0-1	RANGE: cr ven	tree
Euphorbia					
*apocynoides Kl.		PROV: da	000m: 0-1	RANGE: end	shrub
cotinifolia L.		PROV: ch pa	000m: 0-1	RANGE: cag mex sat	tree
cyathophora Murr.		PROV: bo ch	000m: 0-1	RANGE: ang cag nao sat	herb
dwyeri Burch		PROV: ch	000m: 1-2	RANGE: end	herb
*elata Brandeg.		PROV: cn da pa vr	000m: 0-1,1-2	RANGE: bol? col cr gua mex	shrub
graminea Jacq.		PROV: ca da	000m: 0-1	RANGE: cag mex sat	herb
heterophylla L.		PROV: bo ca cc ch he	000m: 0-1,1-2	RANGE: ang cag mex nas sag	herb
		pa vr			
*leucocephala Lotsy		PROV: cc pa	000m: 0-1	RANGE: cag mex	shrub
ocymoidea L.		PROV: ca he	000m: 0-1	RANGE: cag mex	herb
oerstediana (Kl. & Garcke) Boiss.		PROV: he	000m: 0-1	RANGE: ang cag sat?	herb
*peplus L.		PROV: ch	000m: 2-3	RANGE: wdw	herb
*xalapensis H.B.K.		PROV: ch	000m: 0-1,1-2	RANGE: cag mex	herb
Garcia					
nutans Vahl		PROV: ca lo	000m: 0-1	RANGE: cag col lag mex ven	shrub tree
*Gymnanthes					
*actinostemoides Muell.-Arg.		PROV: da	000m: 0-1	RANGE: cag mex	tree
Hippomane					
mancinella L.		PROV: ca cc ch da pa	000m: 0-1	RANGE: ang bah cag col fla	tree
		sa		ven	
Hura					
crepitans L.		PROV: bo ca ch da lo	000m: 0-1	RANGE: ang cr nic per sao	tree
		pa vr		sat	
Hyeronima					
laxiflora (Tul.) Muell.-Arg.		PROV: bo ca ch cn da	000m: 0-1	RANGE: gui per sat	tree
		pa			
*oblonga (Tul.) Muell.-Arg.		PROV: bo cc ch da pa	000m: 0-1,1-2,2-3	RANGE: cag col ven	tree
		vr			
Jatropha					
curcas L.	cult.	PROV: bo ca cc ch cn	000m: 0-1	RANGE: cr gua mex per	shrub
		da he lo pa			tree
gossypifolia L.		PROV: bo ca cc ch he	000m: 0-1	RANGE: nwt	subshrub
		lo pa			herb
integerrima Jacq.	cult.	PROV: ca cc pa sa	000m: 0-1	RANGE: cub his	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
147 (97) EUPHORBIACEAE cont.					
<i>Mabea</i>					
<i>montana</i> Muell.-Arg.		PROV: ca cc da pa vr	000m: 0-1	RANGE: col cr ven	shrub
<i>occidentalis</i> Benth.		PROV: ca cn da pa sa vr	000m: 0-1,1-2	RANGE: cag mex sao sat	tree shrub tree
<i>Manihot</i>					
<i>*aesculifolia</i> (H.B.K.) Pohl		PROV: ca da pa	000m: 0-1,1-2	RANGE: cag gua mex	shrub
<i>*brachyloba</i> Muell.-Arg.		PROV: da	000m: 0-1	RANGE: cr his per sao sat	shrub
<i>esculenta</i> Crantz	cult.	PROV: bo ca ch da he pa sa vr	000m: 0-1	RANGE: nwt	herb shrub
<i>*Maprounea</i>					
<i>*guianensis</i> Aubl.		PROV: ca	000m: 0-1	RANGE: sat	tree
<i>Margaritaria</i>					
<i>nobilis</i> L. f.		PROV: bo ca ch cn da lo pa sa	000m: 0-1	RANGE: cag cub mex sat	tree
<i>Omphalea</i>					
<i>diandra</i> L.		PROV: bo ca ch da pa vr	000m: 0-1	RANGE: ang cag per sao sat	climber
<i>*Pausandra</i>					
<i>* trianae</i> (Muell.-Arg.) Baill.		PROV: bo sa	000m: 0-1	RANGE: cr nic sat	tree shrub
<i>Pedilanthus</i>					
<i>tithymaloides</i> (L.) Poit.					
--subsp. <i>tithymaloides</i>		PROV: ca cc he pa vr	000m: 0-1	RANGE: cag mex sat	shrub
<i>Pera</i>					
<i>aperta</i> Croiz.		PROV: cc	000m: 0-1	RANGE: end	tree
<i>arborea</i> Mutis		PROV: ca cc cn da pa	000m: 0-1	RANGE: bel col	tree
<i>Phyllanthus</i>					
<i>*acidus</i> Skeels	intr. cult.				
<i>acuminatus</i> Vahl		PROV: cc	000m: 0-1	RANGE: owt	tree
<i>amarus</i> Schum. & Thonn.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: ang cag mex nwt per sat	shrub tree
<i>anisolobus</i> Muell.-Arg.		PROV: ca cc ch cn da pa	000m: 0-1	RANGE: wdw	herb
<i>caribaeus</i> Urb.		PROV: bo cc da	000m: 0-1	RANGE: col cr per	shrub
<i>caroliniensis</i> Walt.		PROV: ca da pa sa vr	000m: 0-1	RANGE: lag sao ven	tree herb
--subsp. <i>caroliniensis</i>		PROV: ca da pa	000m: 0-1	RANGE: cag nag nwg sag	herb
--subsp. <i>stenopterus</i> (Muell.-Arg.) Webster		PROV: ca cc ch pa vr	000m: 0-1	RANGE: col	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
147 (97) EUPHORBIACEAE cont.									
compressus H.B.K.		PROV: bo pa	000m: 0-1	RANGE: cag	mex	per	sao	sat	herb
elsiae Urb.		PROV: ca	000m: 0-1	RANGE: cag	mex	trt	ven		shrub
*gentryi Webster		PROV: da	000m: 0-1	RANGE: end					tree shrub
hyssopifolioides H.B.K.		PROV: cc ch	000m: 0-1,1-2	RANGE: nic	sat	trt			treelet
niruri L.		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: cag	sao	sat	tex		herb
stipulatus (Raf.) Webster		PROV: bo ca cc ch da	000m: 0-1	RANGE: cag	mex	sat			herb
urinaria L.		PROV: pa bo ca cc ch cn da pa sa	000m: 0-1	RANGE: wdt					herb
Plukenetia									
*penninervia Muell.-Arg.		PROV: pa	000m: 0-1	RANGE: cag	mex	sat			climber
volubilis L.		PROV: cn da lo pa	000m: 0-1	RANGE: cr sao sat	lag	mex	nic	per	climber
Richeria									
*obovata (Muell.-Arg.) Pax & Hoffm.		PROV: pa vr	000m: 0-1	RANGE: ven					tree shrub
Ricinus									
communis L.	cult.	PROV: cc ch cn lo pa sa	000m: 0-1	RANGE: wdt					shrub tree
Sapium									
caudatum Pitt.		PROV: ca cc ch da lo pa vr	000m: 0-1,1-2	RANGE: sag?	sao				tree
eglandulosum Ule		PROV: da pa	000m: 0-1	RANGE: per	sat				shrub
jamaicense Sw.		PROV: bo ca ch da lo pa sa vr	000m: 0-1,1-2	RANGE: cag	gag	mex			tree tree
*oligoneurum Schum. & Pitt.		PROV: ch	000m: 1-2	RANGE: cag					tree
*pachystachys Schum. & Pitt.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	nic				tree
Sebastiania									
corniculata (Vahl) Muell.-Arg.		PROV: cc pa	000m: 0-1	RANGE: nwt					herb
*Senefeldera									
*testiculata Pitt.		PROV: da	000m: 0-1	RANGE: col	ven				tree
Stillingia									
zelayensis (H.B.K.) Muell.-Arg.		PROV: ch	000m: 1-2	RANGE: gua	mex				shrub
Tetrorchidium									
euryphyllum Standl.		PROV: bo	000m: 0-1	RANGE: cr					tree
gorgonae Croiz.									
--subsp. robledoanum (Cuatr.) Webster		PROV: ca ch pa	000m: 0-1	RANGE: col	ecu				tree shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
147 (97) EUPHORBIACEAE cont.					
Tragia					
*bailloniana Muell.-Arg.		PROV: ch	000m: 1-2	RANGE: cag mex	climber
*fendleri Muell.-Arg.		PROV: da	000m: 0-1	RANGE: ven	climber
volubilis L.		PROV: ca he	000m: 0-1	RANGE: cag cub mex per sao sat	climber
149 (99) BUXACEAE					
Buxus					
citrifolia (Willd.) Spr.		PROV: ca pa	000m: 0-1	RANGE: ven	shrub tree
151 (100) CORIARIACEAE					
Coriaria					
*ruscifolia L.					
*--subsp. microphylla (Poir.) L. Skog		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag mex sag	shrub
153 (101) ANACARDIACEAE					
Anacardium					
excelsum (Bert. & Balb.) Skeels		PROV: bo ca cc ch da he lo pa vr	000m: 0-1	RANGE: cr ecu ven	tree
occidentale L.		intr. cult. PROV: ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: cr ecu sao	tree
Astronium					
graveolens Jacq.		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: bol cag col mex sao sao	tree
Camptosperma					
panamensis Standl.		PROV: bo	000m: 0-1	RANGE: cr	tree
Mangifera					
indica L.		intr. cult. PROV: ca ch lo pa sa	000m: 0-1	RANGE: asi cr	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
153 (101) ANACARDIACEAE cont.					
<i>Mauria heterophylla</i> H.B.K.		PROV: ch da	000m: 0-1,1-2	RANGE: bol cr per sag?	shrub tree
<i>Mosquitoxylum jamaicense</i> Krug & Urb.		PROV: ca cc ch cn da pa sa	000m: 0-1	RANGE: ang cag mex	tree
<i>Schinus terebinthifolius</i> Raddi		intr. cult. PROV: ca	000m: 0-1	RANGE: sao	shrub tree
<i>Spondias mombin</i> L.		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: ang cag mex per sag	tree
<i>purpurea</i> L.		cult. PROV: bo ca cc ch da lo pa	000m: 0-1,1-2	RANGE: ang cag mex per sao	shrub tree
<i>radikoferi</i> J.D. Sm.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: bel cag cr gua hon mex nic sal ven	tree
<i>Tapirira brenesii</i> Standl.		PROV: ch	000m: 1-2	RANGE: cr nic	tree
<i>guianensis</i> Aubl.		PROV: ca cn pa sa	000m: 0-1	RANGE: per sag? sao sao	tree
<i>Toxicodendron striatum</i> (R. & P) Kuntze		PROV: ch	000m: 1-2	RANGE: cag? mex per sag? sao	tree shrub
154 (101A) CYRILLACEAE					
<i>Cyrilla racemiflora</i> L.		PROV: pa vr	000m: 0-1	RANGE: ang bel col gui mex nag? sao ven	tree
* <i>Purdiaea belizensis</i> (Sm. & Standl.) Thomas		PROV: vr	000m: 0-1	RANGE: cag	shrub
157 (102) AQUIFOLIACEAE					
<i>Ilex chiriquensis</i> Standl.		PROV: ch	000m: 1-2	RANGE: end	shrub
* <i>costaricensis</i> J.D. Sm.		PROV: bo ch	000m: 1-2	RANGE: cr	tree
<i>guianensis</i> (Aubl.) Kuntze		PROV: bo cc ch cn he pa	000m: 0-1,1-2	RANGE: ang cag gui	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
157 (102) AQUIFOLIACEAE cont.					
*kunthiana Triana lamprophylla Standl.		PROV: ca cc ch pa vr PROV: ch	000m: 0-1,1-2 000m: 1-2	RANGE: col cr RANGE: cr	tree tree shrub
*pallida Standl. valerii Standl. --var. ramonensis (Standl.) Edwin		PROV: ch PROV: ch PROV: ch	000m: 2-3,3+ 000m: 1-2 000m: 1-2	RANGE: cr nic RANGE: cr RANGE: cr	tree tree tree
*vulcanicola Standl. *yurumanquinis Cuatr.		PROV: vr PROV: cc cn pa	000m: 0-1 000m: 0-1	RANGE: cr RANGE: col cr pa	tree tree tree
158 (103) CELASTRACEAE					
*Cassine *xylocarpa Vent.		PROV: pa sa	000m: 0-1	RANGE: gag	tree
Celastrus panamensis Lund.		PROV: ch	000m: 0-1	RANGE: end	shrub
Crossopetalum eucymosa (Loes. & Pitt.) Lund. *panamense Lund. *parviflorum (Hemsl.) Lund.		PROV: bo ca cn PROV: cn pa PROV: bo ca	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: cag RANGE: end RANGE: end	tree shrub treelet shrub
*tonduzii (Loes.) Lund.		PROV: ch	000m: 1-2	RANGE: cr mex	tree
*Goupia *glabra Aubl.		PROV: sa	000m: 0-1	RANGE: sat	tree
Maytenus *blepharodes (Pitt.) A. Gentry *jefeana Lund. schippii Lund.		PROV: ch PROV: pa PROV: ca cn da	000m: 0-1,2-3,3+ 000m: 0-1 000m: 0-1	RANGE: cr RANGE: end RANGE: bel	shrub tree tree tree
*Perrottetia *excelsa Lund. *multiflora Lund. *quinduensis H.B.K. *sessiliflora Lund.		PROV: cn PROV: ch PROV: da PROV: vr	000m: 0-1 000m: 1-2 000m: 0-1,1-2 000m: 0-1,1-2	RANGE: ex RANGE: cr per ven RANGE: col RANGE: cr	tree tree shrub tree
*Quetzalia *occidentalis (Loes.) Lund.		PROV: pa	000m: 0-1,1-2	RANGE: cr	treelet
Wimmeria sternii Lund.		PROV: ch	000m: 1-2	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
158 (103) CELASTRACEAE cont.					
Zinowiewia					
costaricensis Lund.		PROV: ch	000m: 1-2	RANGE: cr	tree
*micrantha Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
159 (104) HIPPOCRATEACEAE					
Anthodon					
panamense A.C. Sm.		PROV: bo ca cn da	000m: 0-1	RANGE: end	climber
Chellocelinium					
*anomalum Miers		PROV: pa	000m: 0-1	RANGE: gui per sao	tree?
cognatum (Miers) A.C. Sm.		PROV: ca cn da pa	000m: 0-1	RANGE: bol per sag sao trt	shrub
*klugii A.C. Sm.		PROV: pa	000m: 0-1	RANGE: per ven	tree
*podostemum Sandw.		PROV: pa	000m: 0-1	RANGE: wr	climber
Cuervea					
kappleriana (Miq.) A.C. Sm.		PROV: bo da sa vr	000m: 0-1	RANGE: ang cr sag?	climber
Elachyptera					
floribunda (Benth.) A.C. Sm.		PROV: bo ca ch cn pa vr	000m: 0-1,1-2	RANGE: cag ecu gua sag sao	climber
Hemiangium					
excelsum (H.B.K.) A.C. Sm.		PROV: vr	000m: 0-1	RANGE: cag col mex sao ven	climber shrub
Hippocratea					
volubilis L.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: cag fla mex sag sao	climber
Hylenaea					
praecelsa (Miers) A.C. Sm.		PROV: ca da pa sa	000m: 0-1	RANGE: col	climber
Peritassa					
pruinosa (Seem.) A.C. Sm.		PROV: ca da pa	000m: 0-1	RANGE: col per	climber
Prionostemma					
aspera (Lam.) Miers		PROV: ca da	000m: 0-1	RANGE: bol sag? trt	climber
Pristimera					
*austin-smithii (Lund.) A.C. Sm.		PROV: da	000m: 0-1	RANGE: cr	climber
nervosa (Miers) A.C. Sm.		PROV: ca	000m: 0-1	RANGE: bol gui per sao ven	climber tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
159 (104) HIPPOCRATEACEAE cont.					
Salacia					
*gigantea Loes.		PROV: pa	000m: 0-1	RANGE: per	tree
*impressifolia (Miers) A.C. Sm.		PROV: da	000m: 0-1,1-2	RANGE: hon mex	tree
*juruana Loes.		PROV: pa	000m: 0-1,1-2	RANGE: per ven	tree
megistophylla Standl.		PROV: bo da pa vr	000m: 0-1	RANGE: ven	climber
*petenensis Lund.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr gua	tree
*pittieriana A.C. Sm.		PROV: pa	000m: 0-1,1-2	RANGE: wr	tree
Tontelea					
*attenuata Miers		PROV: cn	000m: 0-1	RANGE: col gui sao ven	tree
*hondurensis A.C. Sm.		PROV: cc pa	000m: 0-1,2-3	RANGE: gua hon	climber
richardii (Peyr.) A.C. Sm.		PROV: ca	000m: 0-1	RANGE: gui	climber
161 (105) STAPHYLEACEAE					
Turpinia					
occidentalis (Sw.) G. Don					
--subsp. breviflora Croat		PROV: ca cc da pa vr	000m: 0-1,1-2	RANGE: ang cag col mex	tree
--subsp. occidentalis		PROV: ch vr	000m: 1-2,2-3	RANGE: ang cag his jam mex per sao ven	tree
162 (106) ICACINACEAE					
Calatola					
costaricensis Standl.		PROV: bo cc ch da pa sa vr	000m: 0-1,1-2	RANGE: cr	tree
Citronella					
costaricensis (J.D. Sm.) Howard		PROV: ch	000m: 1-2	RANGE: cr	tree
Dendrobangia					
boliviana Rusby		PROV: pa sa	000m: 0-1	RANGE: bol gui	tree
Discophora					
guianensis Miers		PROV: bo ca da pa sa	000m: 0-1,1-2	RANGE: gui sao	tree shrub
Leretia					
cordata Vell.		PROV: bo cn da sa	000m: 0-1	RANGE: per sao	climber tree
Mappia					
racemosa Jacq.		PROV: bo	000m: 0-1	RANGE: cub jam pr	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
162 (106) ICACINACEAE cont.					
Poraqueiba guianensis Aubl.		PROV: ch	000m: 1-2	RANGE: gui sao ven	tree
164 (107) HIPPOCASTANACEAE					
Billia columbianum Planch. & Lind. *hippocastanum Peyr.		PROV: ch da vr PROV: cc	000m: 1-2 000m: 0-1, 1-2	RANGE: col cr ecu ven RANGE: cag	tree tree
165 (108) SAPINDACEAE					
Allophylus gentryi Croat occidentalis (Sw.) Radik. psilospermus Radik.		PROV: da pa PROV: ca cc ch da he pa vr PROV: ca cc ch da lo pa vr	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: end RANGE: ang bel cr cub gua gui his RANGE: ang cag mex	tree shrub tree tree
Blighia sapida Koenig		PROV: bo ca	000m: 0-1	RANGE: afr	tree
Cardiospermum grandiflorum Sw. microcarpum H.B.K.		PROV: bo ca cc cn pa vr PROV: ca he pa	000m: 0-1 000m: 0-1	RANGE: afr cag? jam per sag? sao ven RANGE: afr gui ven	climber climber
Cupania cinerea P. & E. dukei Croat guatemalensis (Turcz.) Radik. hirsuta Radik. latifolia H.B.K. livida (Radik.) Croat rufescens Tr. & Pl. scrobiculata Rich. sylvatica Seem. --var. fosteri Croat --var. sylvatica		PROV: bo ca cn da pa PROV: da sa PROV: cc ch da he vr PROV: bo PROV: ca cn pa PROV: cn PROV: bo ca ch da lo pa vr PROV: ca ch cn vr PROV: ca pa vr PROV: ca da pa	000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1	RANGE: ang bol col cr per ven RANGE: end RANGE: cag gua mex RANGE: cr gui ven RANGE: col ecu per sao ven RANGE: cr RANGE: bel cag col gui mex nic sao ven RANGE: bel col gui sao ven RANGE: end RANGE: col	tree tree shrub tree tree tree tree shrub tree tree tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
165 (108) SAPINDACEAE cont.					
<i>Dipterodendron</i> <i>costaricense</i> Radik.		PROV: ch da pa	000m: 0-1	RANGE: cr	tree
<i>Dodonaea</i> <i>viscosa</i> (L.) Jacq.		PROV: bo ch pa vr	000m: 0-1,1-2	RANGE: wdt	shrub tree
<i>Filicium</i> <i>decipiens</i> (Wight & Arn.) Thwaites cult.		PROV: pa	000m: 0-1	RANGE: afr asi	tree
<i>Matayba</i> * <i>apetala</i> (Macfad.) Radik. <i>glaberrima</i> Radik.		PROV: ca PROV: ca cc da lo pa vr	000m: 0-1 000m: 0-1,1-2	RANGE: bel gag hon mex RANGE: cag mex	tree shrub tree
<i>ingaefolia</i> Standl. <i>kennedyi</i> Croat <i>scrobiculata</i> (H.B.K.) Radik.		PROV: bo vr PROV: pa PROV: ca ch da lo pa	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: cr? RANGE: end RANGE: bol cag col mex ven	tree tree tree
<i>Melicoccus</i> <i>bijugatus</i> Jacq.		intr. cult. PROV: ca pa	000m: 0-1	RANGE: ang col cr gui his lag nic trt	tree
<i>Paullinia</i> <i>alata</i> (R. & P.) G. Don <i>allenii</i> Standl.		PROV: bo ch da pa PROV: cc	000m: 0-1 000m: 0-1	RANGE: bol col cr per sag? RANGE: end	climber climber tree
<i>baileyi</i> Standl. <i>bracteosa</i> Radik.		PROV: bo ca cn pa PROV: bo ca ch da lo pa sa	000m: 0-1 000m: 0-1	RANGE: end RANGE: bol cr per sao ven	climber climber
<i>brenesii</i> Croat <i>bristanii</i> Croat <i>buricana</i> Croat <i>correae</i> Croat <i>costaricensis</i> Radik. <i>costata</i> Schlecht. & Cham. <i>cururu</i> L.		PROV: ch PROV: da PROV: ch PROV: cn pa PROV: ca cc ch cn pa PROV: cc pa PROV: ca cc ch da he pa vr	000m: 0-1,1-2 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1	RANGE: cr hon RANGE: end RANGE: end RANGE: end RANGE: cag cr gua RANGE: cag gua gui mex RANGE: ang cag col mex sao ven	climber climber climber climber climber climber climber
<i>dasystachya</i> Radik.		PROV: he	000m: 0-1	RANGE: bol ecu per sao	climber shrub
<i>dodgei</i> Standl. <i>dukei</i> Croat <i>eliasii</i> Croat <i>faginea</i> (Tr. & Pl.) Radik. <i>fasiculata</i> Radik. <i>fibrigera</i> Radik. <i>funicularis</i> Radik.		PROV: da pa sa PROV: da pa PROV: cc cn da pa PROV: ch pa vr PROV: bo cn pa PROV: ca ch da pa PROV: ca cn da sa	000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1,1-2 000m: 0-1 000m: 0-1 000m: 0-1	RANGE: cr RANGE: end RANGE: end RANGE: col cr per RANGE: cr gui trt RANGE: cag RANGE: end	climber climber climber climber climber climber climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
165 (108) SAPINDACEAE cont.					
<i>fuscescens</i> H.B.K.					
--var. <i>fuscescens</i>		PROV: ca cc da he lo pa vr	000m: 0-1	RANGE: ang cag mex sag? sao	climber
--var. <i>glabrata</i> Croat		PROV: ca ch vr	000m: 0-1,1-2	RANGE: cag mex	climber
<i>glomerulosa</i> Radik.		PROV: bo ca da pa	000m: 0-1	RANGE: ang mex ven	climber
<i>grandifolia</i> Radik.		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: cr gui per sao	climber
<i>kallunkii</i> Croat		PROV: da pa sa	000m: 0-1	RANGE: end	climber
<i>mallophylla</i> Radik.		PROV: bo ca cc ch cn pa vr	000m: 0-1,1-2	RANGE: cr	climber
<i>morii</i> Croat		PROV: vr	000m: 0-1	RANGE: end	climber
<i>panamensis</i> Croat		PROV: pa sa	000m: 0-1	RANGE: end	climber
<i>pilonensis</i> Croat		PROV: cc	000m: 0-1	RANGE: end	climber
<i>pinnata</i> L.		PROV: bo ca da pa sa	000m: 0-1	RANGE: afr bol cag? gui sag?	climber
<i>pterocarpa</i> Tr. & Pl.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: col cr ecu per trt	climber
<i>rugosa</i> Radik.		PROV: ca cn pa sa vr	000m: 0-1	RANGE: col cr per sao	climber
<i>serjaniaefolia</i> Tr. & Pl.		PROV: ca cc ch cn da pa sa vr	000m: 0-1	RANGE: col cr per	climber
<i>sessiliflora</i> Radik.					
--var. <i>angustirachis</i> Croat		PROV: ch da pa sa	000m: 0-1	RANGE: end	climber
<i>sternii</i> Croat		PROV: da	000m: 0-1	RANGE: end	climber
<i>stipitata</i> Cuatr.		PROV: cn pa	000m: 0-1	RANGE: col	climber
<i>stipularis</i> Radik.		PROV: cc da pa	000m: 0-1	RANGE: sao	climber
<i>tenuifolia</i> Macbr.		PROV: ch	000m: 0-1	RANGE: per sao ven	climber
<i>turbacensis</i> H.B.K.		PROV: ca ch cn da pa sa	000m: 0-1	RANGE: col gua mex	climber
<i>Pseudima</i>					
<i>frutescens</i> (Aubl.) Radik.		PROV: da sa	000m: 0-1	RANGE: gui sao	shrub tree
* <i>panamensis</i> Croat		PROV: da	000m: 0-1	RANGE: wr	shrub
<i>Sapindus</i>					
<i>saponaria</i> L.		PROV: ca cc ch da he pa sa	000m: 0-1	RANGE: ang cag? fla his mex sag? sao	tree
<i>Serjania</i>					
<i>acuta</i> Tr. & Pl.		PROV: ch vr	000m: 1-2	RANGE: cag mex ven	climber
<i>allenii</i> Croat		PROV: ca cc pa	000m: 0-1	RANGE: end	climber
<i>atrolineata</i> Sauv. & Wright		PROV: ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: ang cag col cub mex ven	climber
<i>circumvallata</i> Radik.		PROV: bo ca	000m: 0-1	RANGE: col cr	climber
<i>cornigera</i> Turcz.		PROV: ca cn da	000m: 0-1	RANGE: cag? hon	climber
<i>darcyi</i> Croat		PROV: ch	000m: 1-2	RANGE: end	climber
<i>decapleuria</i> Croat		PROV: ca	000m: 0-1	RANGE: col cr	climber
<i>grandis</i> Seem.		PROV: ch lo vr	000m: 0-1	RANGE: cag? hon per sag?	climber
<i>insignis</i> Radik.		PROV: ca da pa	000m: 0-1	RANGE: col	climber
<i>mexicana</i> (L.) Willd.		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: cag col jam mex ven	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
165 (108) SAPINDACEAE cont.					
paniculata H.B.K.		PROV: ch	000m: 0-1	RANGE: cag col mex ven	climber
paucidentata DC.		PROV: ca	000m: 0-1	RANGE: cag gui mex per sao	climber
pluvialiflorens Croat		PROV: bo ca	000m: 0-1	trt	
rhombea Radik.		PROV: ca cc cn da lo	000m: 0-1	RANGE: end	climber
		pa sa		RANGE: cag col cr ecu mex	climber
trachygona Radik.		PROV: ca cn pa	000m: 0-1	ven	
				RANGE: bol per	climber
Talisia					
allenii Croat		PROV: da	000m: 0-1	RANGE: cr	shrub
dwyeri Croat		PROV: pa	000m: 0-1	RANGE: end	tree
hexaphylla Vahl		PROV: ch da	000m: 0-1	RANGE: bol sao	shrub
					tree
nervosa Radik.		PROV: bo ca cn da pa	000m: 0-1	RANGE: col cr	shrub
		vr			shrub
princeps Oliv.		PROV: bo ca da pa	000m: 0-1	RANGE: ven	tree
					tree
Thinouia					
myriantha Tr. & Pl.		PROV: ca da	000m: 0-1	RANGE: bel col gui per ven	climber
Urvillea					
ulmacea H.B.K.		PROV: ca ch pa	000m: 0-1	RANGE: cag? sag? sao tex ven	climber

166 (109) SABIACEAE

Lorenzanea					
*irazuensis Standl.		PROV: ch	000m: 3+	RANGE: cr	tree
Meliosma					
allenii Standl. & L.O. Wms.		PROV: bo ca cn da pa	000m: 0-1	RANGE: cag col gua mex	shrub
		sa vr			
brenesii Standl.		PROV: cc ch	000m: 0-1	RANGE: cr	tree
cordata A. Gentry		PROV: vr	000m: 0-1	RANGE: end	tree
frondosa Cuatr. & Idrobo		PROV: vr	000m: 1-2	RANGE: col ecu	tree
glabrata (Liebm.) Urb.		PROV: bo cc	000m: 0-1	RANGE: col cr ecu?	tree
grandiflora A. Gentry		PROV: cc	000m: 0-1	RANGE: cr	tree
idiopoda Blake		PROV: ch	000m: 1-2,2-3	RANGE: cag cr gua mex	shrub
					tree
linearifolia A. Gentry		PROV: cn pa	000m: 0-1	RANGE: end	tree
occidentalis Cuatr.		PROV: cc ch da	000m: 0-1,1-2	RANGE: col ecu	tree
schlimii (Turcz.) Triana		PROV: cc cn pa	000m: 0-1,1-2	RANGE: col cr	tree
vernica (Liebm.) Griseb.		PROV: pa vr	000m: 0-1	RANGE: cr	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
168 (110) BALSAMINACEAE					
Impatiens					
turrialbana J.D. Sm.		PROV: ch	000m: 0-1	RANGE: cag cr	herb
wallerana Hook. f.		intr. cult. nat. PROV: pa	000m: 0-1	RANGE: afr	herb
169 (111) RHAMNACEAE					
Ceanothus					
caeruleus Lag.		PROV: ch	000m: 1-2,2-3,3+	RANGE: gag gua mex sal	shrub
Colubrina					
arborescens (Mill.) Sarg.		PROV: bo	000m: 0-1	RANGE: ang cag mex	tree
glandulosa Perk.					
--var. glandulosa		PROV: ca lo pa vr	000m: 0-1	RANGE: col gui sag? sao ven	tree
heteroneura (Griseb.) Standl.		PROV: ca pa	000m: 0-1	RANGE: cag col mex	shrub tree
spinosa J.D. Sm.					
--var. spinosa		PROV: bo	000m: 0-1	RANGE: cr nic	tree
Gouania					
*adenophora Pilger		PROV: ca cn pa	000m: 0-1	RANGE: per	climber
hypoglauca Standl.		PROV: bo cc cn pa	000m: 0-1	RANGE: cr	climber
lupuloides (L.) Urb.		PROV: bo ca cc ch da	000m: 0-1	RANGE: ang cag cr mex sag?	climber
		he lo pa vr			
polygama (Jacq.) Urb.		PROV: ca cc da pa	000m: 0-1	RANGE: sat	climber
*tomentosa Jacq.		PROV: ch da	000m: 0-1	RANGE: wr	climber
Rhamnidium					
caloneurum Standl.		PROV: bo	000m: 0-1	RANGE: end	tree
Rhamnus					
*oreodendron L.O. Wms.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag	tree shrub
*sharpil M.C. & L.A. Johnst.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cag mex	tree
*sphaerosperma Sw.					
*--var. pubescens M.C. & L.A. Johnston		PROV: ch da	000m: 1-2,2-3	RANGE: col cr per sag sat ven	tree
Ziziphus					
mauritiana Lam.		intr. cult. nat. PROV: he lo	000m: 0-1	RANGE: afr asi cr	tree
strychnifolia Tr. & Pl.		PROV: da	000m: 0-1	RANGE: col?	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
170 (112) VITACEAE					
<i>Cissus</i>					
* <i>allenii</i> Croat		PROV: cc ch lo vr	000m: 0-1,1-2	RANGE: cr	climber
<i>biformifolia</i> Standl.		PROV: bo ch da lo pa	000m: 0-1	RANGE: bel cag? col	climber
<i>brevipes</i> Mort. & Standl.		PROV: cc	000m: 0-1,1-2	RANGE: cr	climber
<i>erosa</i> Rich.		PROV: ca cc cn da he	000m: 0-1	RANGE: ang cag mex sag	climber
		pa sa vr			
<i>martiniana</i> Woods. & Seib.		PROV: ch da pa	000m: 0-1,1-2	RANGE: cag? gua mex sag?	climber
<i>microcarpa</i> Vahl		PROV: bo ca cc ch cn	000m: 0-1,2-3	RANGE: ang cag mex sag	shrub
		he pa vr			climber
* <i>neei</i> Croat		PROV: pa	000m: 0-1	RANGE: end	climber
* <i>pseudosicyoides</i> Croat		PROV: bo ca ch cn da	000m: 0-1	RANGE: col cr	herb
		lo pa vr			
<i>rhombifolia</i> Vahl		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang cag mex sag	climber
		da he lo pa sa vr			
<i>sicyoides</i> L.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cag nas sag?	climber
		da he lo pa sa			
* <i>ulmifolia</i> (Baker) Planch.		PROV: da pa	000m: 0-1,1-2	RANGE: ecu per	climber
<i>Vitis</i>					
<i>tiliifolia</i> R. & S.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cag mex sag?	climber
		da pa sa			

171 (113) ELAEOCARPACEAE

<i>Muntingia</i>					
<i>calabura</i> L.		PROV: ca cc ch cn da	000m: 0-1	RANGE: nwt	tree
		he lo pa			
<i>Sloanea</i>					
<i>medusula</i> Schum. & Pitt.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag col gua	tree
<i>megaphylla</i> Pitt.		PROV: cn	000m: 0-1	RANGE: col? cr? nic?	tree
<i>terniflora</i> (DC.) Standl.		PROV: ca cc ch he lo	000m: 0-1	RANGE: bol cag mex per sag?	tree
		pa vr		sao	
<i>zuliaensis</i> Pitt.		PROV: ca cn da	000m: 0-1,1-2	RANGE: cr ven	tree

174 (114) TILIACEAE

<i>Apeiba</i>					
<i>aspera</i> Aubl.		PROV: bo ca cc cn da	000m: 0-1	RANGE: bol col cr sag?	tree
		pa sa			
<i>tibourbou</i> Aubl.		PROV: ca cc ch cn da	000m: 0-1	RANGE: cag sag	tree
		he he pa sa vr			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
174 (114) TILIACEAE cont.					
*Clappertonia *ficifolia Decne.		PROV: ch	000m: 0-1	RANGE: afr	treelet
Corchorus					
hirtus L.		PROV: ca he pa	000m: 0-1	RANGE: nwt	herb
orinocensis H.B.K.		PROV: ca cc lo pa	000m: 0-1	RANGE: ang cag fla nao sag	herb
siliquosus L.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: tex cag? fla nwt sag?	shrub
Dicraspidia donnell-smithii Standl.		PROV: bo	000m: 0-1	RANGE: cr	shrub tree
Goethalsia meiantha (J.D. Sm.) Burret		PROV: ch	000m: 0-1	RANGE: col cr	tree
Heliocarpus *americanus L.		PROV: ca cc ch cn da	000m: 0-1,1-2,3-2	RANGE: cag mex sag sao	tree
Luehea					
candida (DC.) Mart. & Zucc.		PROV: cc lo pa	000m: 0-1	RANGE: cag col mex ven	tree
seemannii Tr. & Pl.		PROV: bo ca cn da he pa sa vr	000m: 0-1	RANGE: cag col cr	tree
speciosa Willd.		PROV: ca cc cn da he lo pa sa vr	000m: 0-1	RANGE: cag col cub sao	tree
Mortoniodendron anisophyllum (Standl.) Standl. & Steyerl.		PROV: bo	000m: 0-1	RANGE: cr	tree
*guatemalense Standl. & Steyerl.		PROV: cn	000m: 0-1	RANGE: cr	shrub
hirsutum Standl.		PROV: bo	000m: 0-1	RANGE: end	treelet shrub
Trichospermum galeottii (Turcz.) Kosterm.		PROV: ca cc ch da pa sa vr	000m: 0-1,1-2	RANGE: cag col ecu mex	tree
Triumfetta arborescens (Seem.) Sprague		PROV: cc	000m: 0-1	RANGE: cr	shrub tree
bogotensis DC.		PROV: ca ch cn lo pa	000m: 0-1,1-2	RANGE: nwt	shrub
grandiflora Vahl		PROV: cc	000m: 0-1	RANGE: nwt	shrub tree
lappula L.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: nwt	shrub
speciosa Seem.		PROV: ch	000m: 1-2	RANGE: cag mex	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
175 (115) MALVACEAE					
Abelmoschus esculentus (L.) Moench		intr. cult. PROV: ca pa	000m: 0-1	RANGE: asi wdt	woody herb
*manihot (L.) Medik.		intr. cult. nat. PROV: vr	000m: 0-1	RANGE: asi wdt	herb
moschatus Medik.		intr. cult. PROV: bo ca ch cn da he pa	000m: 0-1	RANGE: asi wdt	woody herb
Abutilon cymosum Tr. & Pl.		PROV: ch	000m: 0-1	RANGE: col	shrub
*divaricatum Turcz.		PROV: ch	000m: 0-1, 1-2	RANGE: cag mex	shrub
giganteum (Jacq.) Sweet		PROV: pa	000m: 0-1	RANGE: ang nic per sao	herb shrub tree
*hirtum (Lam.) Sweet		PROV: ch Ba	000m: 1-2	RANGE: afr ang asi cag fla mex oce per ven	herb
purpusii Standl.		PROV: ch	000m: 0-1, 1-2	RANGE: cr gua mex	shrub tree
theophrasti Medik.		intr. PROV: pa	000m: 0-1	RANGE: asi	herb
*Althea *rosea L.		PROV: wp	000m: we	RANGE: wr	herb
Anoda acerifolia (Roem.) DC.		PROV: ca	000m: 0-1	RANGE: nwg?	herb
*Briquetia *spicata (H.B.K.) Fryx.		PROV: ca pa	000m: 0-1	RANGE: bol cag cub mex per sag? sao	woody herb
Gossypium barbadense L.		cult. PROV: ca cc he pa sa	000m: 0-1	RANGE: col per sao	woody herb
*hirsutum L.		cult. PROV: cc ch cn da	000m: 0-1	RANGE: ang cag mex	shrub treelet shrub
Hampea *albipetala Cuatr.		PROV: cc	000m: 0-1, 1-2	RANGE: col cr	tree
appendiculata (J.D. Sm.) Standl.		PROV: bo ca cc ch da	000m: 0-1, 1-2, 2-3	RANGE: cr hon nic	shrub tree
--var. appendiculata					tree
*--var. longicalyx Fryx.		PROV: ca cc da pa	000m: 0-1	RANGE: end	tree
*dukei A. Robyns		PROV: sa	000m: 0-1	RANGE: end	tree
*micrantha A. Robyns		PROV: cn pa pa sa	000m: 0-1	RANGE: end	tree shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA					HABIT
175 (115) MALVACEAE cont.									
*platanifolia Standl.		PROV: ch	000m: 0-1	RANGE: cr nic					treelet
*punctulata Cuatr.		PROV: pa sa vr	000m: 0-1	RANGE: col					shrub treelet
*Herissantia									
*crispa (L.) Brizicky		PROV: ca he pa	000m: 0-1	RANGE: bol sao	cag sat	mex	nas	per	herb shrub
Hibiscus									
bifurcatus Cav.		PROV: ca cn pa	000m: 0-1	RANGE: ang	cag	gui	sao		herb shrub
costatus A. Rich.		PROV: cc	000m: 0-1	RANGE: cag	cub	mex			woody herb
furcellatus Desr.		PROV: ca	000m: 0-1	RANGE: ang sao	cag	fla	mex	sag?	woody herb
*pernambucensis Arruda		PROV: bo ca ch cn da pa sa vr	000m: 0-1	RANGE: nwt	per				shrub tree
phoeniceus Jacq.		PROV: pa	000m: 0-1	RANGE: ang	cag	col	mex	ven	woody herb
radiatus Cav.	intr. cult.	PROV: pa	000m: 0-1	RANGE: asi	wdt				herb
rosa-sinensis L.	intr. cult.	PROV: bo ca cn pa sa	000m: 0-1	RANGE: wdw					shrub
sabdariffa L.	intr. cult. nat.	PROV: ca	000m: 0-1	RANGE: afr	wdt				herb
schizopetalus (Mast.) Hook. f.	intr. cult.	PROV: bo ca pa vr bo ca da pa	000m: 0-1 000m: 0-1	RANGE: afr bol sao	per cag	wdt cub	mex	sag	shrub woody herb
sororius L.		PROV: ca vr	000m: 0-1	RANGE: gui	sao				herb
spathulatus Garcke									
Kosteletzkya									
*depressa (L.) Blanchard, Fryx. & Bates		PROV: he pa	000m: 0-1	RANGE: ang	cag	ecu	mex	ven	herb shrub
Lopimia									
dasypetala (Turcz.) Standl.		PROV: ca pa	000m: 0-1	RANGE: col	cr	nic	sao	ven	tree shrub
malacophylla (Link & Otto) Mart.		PROV: ca pa	000m: 0-1	RANGE: bol sao	cag sao	cub	mex	nic	shrub tree
Malachra									
alceifolia Jacq.		PROV: bo ca da he pa	000m: 0-1	RANGE: ang	cag	mex	per	sao	woody herb
fasciata Jacq.		PROV: ca pa	000m: 0-1	RANGE: ang	cag	mex	sao		shrub woody herb
radiata (L.) L.		PROV: pa	000m: 0-1	RANGE: afr sao	ang	cag	mex	sag	woody herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
175 (115) MALVACEAE cont.					
Malva neglecta Wallr.		PROV: ch pa	000m: 0-1,1-2	RANGE: wdw	herb
Malvastrum americanum (L.) Torr.		PROV: da	000m: 0-1	RANGE: wdt	shrub woody
coromandelianum (L.) Garcke		PROV: ca pa	000m: 0-1	RANGE: wdw	herb woody herb
Malvaviscus arboreus Cav.					
--var. lobatus A. Robyns		PROV: ch	000m: 1-2	RANGE: end	shrub tree
--var. mexicanus Schlecht. cult.		PROV: bo ca cc ch da lo pa vr	000m: 0-1,1-2	RANGE: cag mex per sao	shrub
*longifolius Garcke		PROV: cc ch da vr	000m: 0-1	RANGE: col ecu per sao ven	shrub
Neobrittonia acerifolia (G. Don) Hochr.		PROV: ch	000m: 1-2	RANGE: cag mex	herb shrub
Pavonia alba Seem.		PROV: ca pa	000m: 0-1	RANGE: col ven	woody herb
fruticosa (Mill.) Fawc. & Rendl.		PROV: ca ch da pa sa	000m: 0-1,1-2	RANGE: ang per sao	herb shrub
longipes Standl.					
--var. hirsuta A. Robyns		PROV: da	000m: 0-1	RANGE: cr	herb
--var. longipes		PROV: bo	000m: 0-1	RANGE: cr	woody herb
maxonii (Standl.) Standl.		PROV: ch	000m: 0-1	RANGE: cr	herb
oxyphyllaria J.D. Sm.		PROV: bo cc	000m: 0-1	RANGE: col cr per sao	herb shrub
paniculata Cav.		PROV: bo ca cc ch da pa	000m: 0-1	RANGE: ang cag mex sag sao	woody herb shrub
penduliflora (Standl.) Standl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
rhizophorae Killip		PROV: da sa	000m: 0-1	RANGE: col	shrub
*schiedeana Steud.		PROV: bo ca cc ch da pa	000m: 0-1	RANGE: ang cag col mex sao	woody herb shrub
sidifolia H.B.K.		PROV: lo	000m: 0-1	RANGE: mex per sao ven	woody herb
spicata Cav.		PROV: bo ca cn	000m: 0-1	RANGE: ang cag fla sao	shrub
spinifex (L.) Cav.		PROV: wp	000m: 0-1	RANGE: ang per sag? sao	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
175 (115) MALVACEAE cont.					
<i>Peltaea</i>					
<i>ovata</i> (Presl) Standl.		PROV: ca pa vr	000m: 0-1	RANGE: col	herb
<i>sessiliflora</i> (H.B.K.) Standl.		PROV: ca	000m: 0-1	RANGE: col cr per ven	shrub herb
* <i>trinervis</i> (Presl) Krap. & Crist.		PROV: ca cc pa	000m: 0-1	RANGE: col cr gui mex nic sao trt ven	shrub shrub herb
<i>Sida</i>					
<i>acuta</i> Burm. f.					
--var. <i>acuta</i>		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cr per wdt	woody
--var. <i>cuspidata</i> A. Robyns		da pa			herb
<i>aggregata</i> Presl		PROV: cc pa	000m: 0-1	RANGE: wdt	herb
		PROV: pa	000m: 0-1	RANGE: ang cag mex sao	herb
<i>ciliaris</i> L.		PROV: cc pa	000m: 0-1	RANGE: ang cag mex nas per	shrub herb
<i>glabra</i> Mill.		PROV: ca ch pa	000m: 0-1	sag sao RANGE: ang cag col mex sag?	woody herb
<i>glomerata</i> Cav.		PROV: ca ch da pa	000m: 0-1,1-2	ven RANGE: ang bol cr per sag?	herb
<i>jamaicensis</i> L.		PROV: cc pa	000m: 0-1	sao RANGE: ang col cr gua mex	woody
* <i>jussieana</i> DC.		PROV: ca cc pa	000m: 0-1	nic RANGE: cag mex sag sao	herb
<i>linearifolia</i> St. Hil. et al.		PROV: ca pa	000m: 0-1	RANGE: cag sao	woody
<i>linifolia</i> Cav.		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: afr cag mex per sag	herb woody
* <i>repens</i> Cav. Cav.		PROV: wp	000m: we	RANGE: ang asi nic sao	herb
<i>rhombifolia</i> L.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: per wdw	herb
		da he pa sa			shrub
* <i>setosa</i> Colla		PROV: cc	000m: 0-1	RANGE: col ecu per sao ven	herb
<i>spinosa</i> L.		PROV: ca pa	000m: 0-1	RANGE: wdw	woody
<i>urens</i> L.		PROV: ca ch pa	000m: 0-1,1-2	RANGE: afr ang bol cag mex per sag sao	herb herb
<i>Sidastrum</i>					
* <i>paniculatum</i> (L.) Fryx.		PROV: wp	000m: we	RANGE: afr ang cag mex sag	woody
<i>quinquenervium</i> Tr. & Pl.		PROV: ca pa	000m: 0-1	sao tex RANGE: gui sao	herb herb
<i>Thespesia</i>					
<i>populnea</i> Correa	cult.	PROV: ca cn	000m: 0-1	RANGE: wdt	shrub tree
<i>Urena</i>					
<i>lobata</i> L.		PROV: bo ca cn	000m: 0-1	RANGE: nwt per wdt	woody herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
175 (115) MALVACEAE cont.					
<i>sinuata</i> L.		PROV: ca pa	000m: 0-1	RANGE: nwt	woody herb
<i>Wercklea</i>					
* <i>cocleana</i> (A. Robyns) Fryx.		PROV: cc	000m: 0-1	RANGE: end	shrub
* <i>ferox</i> (Hook.) Fryx.		PROV: ca cn da pa	000m: 0-1,1-2	RANGE: bol col cr ecu	tree shrub
* <i>grandiflora</i> Fryx.		PROV: cc vr	000m: 0-1	RANGE: end	tree
* <i>insignis</i> Pitt. & Standl.		PROV: ch	000m: 1-2	RANGE: cr	tree
* <i>woodsonii</i> (A. Robyns) Fryx.		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
<i>Wissadula</i>					
<i>amplissima</i> (L.) R.E. Fries		PROV: pa	000m: 0-1	RANGE: ang cag mex sag? sao	woody herb
				tex	shrub
<i>excelsior</i> (Cav.) Presl		PROV: bo ca cc pa	000m: 0-1	RANGE: cag cub mex per sag?	herb
				sao	shrub
* <i>hirsuta</i> Presl		PROV: cc	000m: 0-1	RANGE: cag sag ven	herb
<i>periplocifolia</i> (L.) Presl		PROV: ca pa	000m: 0-1	RANGE: ang cag mex sag sao	woody herb
177 (116) BOMBACACEAE					
<i>Bombacopsis</i>					
<i>quinata</i> (Jacq.) Dugand		PROV: ca cc da pa	000m: 0-1	RANGE: cag? col nic ven	tree
<i>sessilis</i> (Benth.) Pitt. cult.		PROV: ca cc ch cn pa sa vr	000m: 0-1,1-2	RANGE: cr	tree
<i>Cavanillesia</i>					
<i>platanifolia</i> (H. & B.) H.B.K.		PROV: ca da lo pa	000m: 0-1	RANGE: nic per sag?	tree
<i>Ceiba</i>					
<i>pentandra</i> (L.) Gaertn.		PROV: bo ca ch da pa	000m: 0-1	RANGE: wdw	tree
<i>rosea</i> (Seem.) Schum.		PROV: cc da vr	000m: 0-1,1-2	RANGE: end	tree
<i>Gyranthera</i>					
<i>darienensis</i> Pitt.		PROV: sa	000m: 0-1	RANGE: end	tree
<i>Ochroma</i>					
<i>pyramidale</i> (Lam.) Urb. cult.		PROV: bo ca ch cn da lo pa vr	000m: 0-1	RANGE: cr wdt	tree
<i>Pachira</i>					
<i>aquatica</i> Aubl. cult.		PROV: bo ca cn da pa	000m: 0-1	RANGE: afr asi cag cub ecu his jam mex per sao trt	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
177 (116) BOMBACACEAE cont.					
*Patinoa *almirajo Cuatr.		PROV: cc pa	000m: 0-1	RANGE: col	tree
Pseudobombax septenatum (Jacq.) Dugand		PROV: ca cn da pa	000m: 0-1	RANGE: cag? col nic per sao ven	tree
Quararibea asterolepis Pitt.		PROV: da	000m: 0-1	RANGE: cr	tree
bracteolosa (Ducke) Cuatr.		PROV: bo cn da pa	000m: 0-1	RANGE: col cr ecu nic per sao	tree
*ciroana Cuatr.		PROV: cc	000m: 0-1, 1-2	RANGE: wr	tree
cordata (H. & B.) Vischer		PROV: cc cn da	000m: 0-1	RANGE: col cr ecu per sao	tree
*dolichopoda A. Robyns		PROV: cc cn da pa	000m: 0-1	RANGE: end	tree
*dolichosiphon Robyns & Nilsson		PROV: da	000m: 0-1	RANGE: end	tree
*jefensis Robyns & Nilsson		PROV: cc pa	000m: 0-1	RANGE: end	tree
*lomensis Cuatr.		PROV: cc	000m: 0-1	RANGE: col ecu?	tree
obliquifolia (Standl.) Standl.		PROV: bo cc cn da	000m: 1-2	RANGE: col cr ecu	tree
*ochrocalyx (K. Schum.) Vischer		PROV: wp	000m: 0-1	RANGE: bol col cr ecu gui per sao ven	tree
parvifolia Standl.		PROV: bo	000m: 0-1	RANGE: cr	tree
*platyphylla Pitt. & J.D. Sm.		PROV: bo cn sa	000m: 0-1	RANGE: cr	tree
pterocalyx Hemsl.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: col ven?	tree
*sanblasensis A. Robyns		PROV: sa	000m: 0-1	RANGE: col?	tree
stenophylla Pitt.		PROV: bo ca cc cn da pa	000m: 0-1	RANGE: cr sao	tree

178 (117) STERCULIACEAE

*Ayena *micrantha Standl.		PROV: cc	000m: 0-1	RANGE: cag mex	treelet
Byttneria aculeata Jacq.		PROV: bo ca cc da pa vr	000m: 0-1	RANGE: bol cag mex sag?	shrub
*cataipaeifolia Jacq.		PROV: ch da pa	000m: 0-1	RANGE: bol cr ecu per sao	tree
Guazuma ulmifolia Lam.	cult.	PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: nwt	tree
Helicteres baruensis Jacq.		PROV: cc	000m: 0-1	RANGE: cag sag? trt	shrub tree
guazumaefolia H.B.K.		PROV: ca cn pa vr	000m: 0-1	RANGE: ang cag mex sag?	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
178 (117) STERCULIACEAE cont.					
<i>Herrania</i> <i>purpurea</i> (Pitt.) R.E. Schult.		PROV: bo ca ch cn da sa	000m: 0-1	RANGE: cr	shrub tree
<i>Melochia</i> <i>corchorifolia</i> L.	intr.	PROV: pa	000m: 0-1	RANGE: nag? owg	herb
<i>lupulina</i> Sw.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: ang cr mex per sat	subshrub herb
<i>manducata</i> Wright & Sauvalle		PROV: pa	000m: 0-1	RANGE: col? cub	subshrub shrub
<i>melissifolia</i> Benth.		PROV: ca cc cn pa	000m: 0-1	RANGE: afr cr sag?	herb
<i>nodiflora</i> Sw.		PROV: ca pa	000m: 0-1	RANGE: ang cag col mex per	shrub
<i>villosa</i> (Mill.) Fawc. & Rendl.		PROV: ca cc ch pa	000m: 0-1	RANGE: afr cag? sag?	herb subshrub
<i>Sterculia</i> <i>apetala</i> (Jacq.) Karst.		PROV: ca cc ch da pa sa	000m: 0-1	RANGE: ang cag mex per sag?	tree
<i>costaricana</i> Pitt.		PROV: bo	000m: 0-1	RANGE: cr	tree
* <i>glauca</i> A. Gentry		PROV: cn pa	000m: 0-1	RANGE: wr	tree
* <i>guapayensis</i> Cuatr.		PROV: cn	000m: 0-1	RANGE: wr	treelet
<i>Theobroma</i> <i>angustifolium</i> DC.		PROV: ch	000m: 0-1	RANGE: cag	tree
<i>bernoullii</i> Pitt.					
--subsp. <i>asclepiadiflorum</i> (Schery) Cuatr.		PROV: bo	000m: 0-1	RANGE: wr	tree
--subsp. <i>bernoullii</i>		PROV: cn sa	000m: 0-1	RANGE: wr	tree
<i>bicolor</i> H. & B.	cult.	PROV: bo ca da	000m: 0-1	RANGE: cag	tree
<i>cacao</i> L.	cult.	PROV: bo ca da he pa	000m: 0-1	RANGE: wdt	tree
* <i>chocoense</i> Cuatr.		PROV: pa	000m: 0-1	RANGE: col	tree
<i>hylaem</i> Cuatr.		PROV: cn	000m: 0-1	RANGE: col	tree
<i>Waltheria</i> <i>glomerata</i> Presl		PROV: ca cc ch da he lo pa vr	000m: 0-1	RANGE: cr mex	shrub
<i>indica</i> L.		PROV: ca cc he pa vr	000m: 0-1	RANGE: wdw	herb shrub

180 (118) DILLENACEAE

<i>Curatella</i> <i>americana</i> L.		PROV: ca cc ch pa vr	000m: 0-1	RANGE: bol cag? mex sag? sao	shrub tree
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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
180 (118) DILLENIACEAE cont.					
<i>Davilla</i>					
<i>kunthii</i> St. Hil.		PROV: bo ca cc ch cn da he pa vr	000m: 0-1	RANGE: ang cag mex sag? sao	climber tree
* <i>nitida</i> (Vahl) Kub.		PROV: ca cc ch cn pa vr	000m: 0-1	RANGE: ang cag mex per sag? sao	climber tree
* <i>rugosa</i> Poir.		PROV: pa	000m: 0-1	RANGE: sao ven	climber
* <i>Dillenia</i>					
* <i>excelsa</i> (Jacq.) Gilg		intr. cult. PROV: ca	000m: 0-1	RANGE: asi	tree
* <i>suffruticosa</i> (Griff.) Martelli		intr. cult. PROV: ca	000m: 0-1	RANGE: asi	tree
<i>Dolioscarpus</i>					
<i>dentatus</i> (Aubl.) Standl.		PROV: ca cc da pa	000m: 0-1	RANGE: ang bel bol cag sag? sao	climber shrub
<i>major</i> Gmel.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: per sag? sao	climber
<i>multiflorus</i> Standl.		PROV: ca cn	000m: 0-1	RANGE: bel cag? cub gui sag?	climber
<i>olivaceus</i> Standl.		PROV: ca pa	000m: 0-1	RANGE: end	shrub climber
* <i>Pinzoana</i>					
* <i>coriacea</i> Mart. & Zucc.		PROV: cn	000m: 0-1	RANGE: bel cr per sao ven	climber
<i>Saurauia</i>					
<i>laevigata</i> Tr. & Pl.		PROV: ca cc pa	000m: 0-1	RANGE: cag col mex	tree
* <i>pseudoscabrida</i> Buscal.		PROV: ch	000m: 1-2	RANGE: wr	tree
<i>rubiformis</i> Vatke		PROV: ch	000m: 2-3	RANGE: cr gua	shrub tree
<i>seibertii</i> Standl.		PROV: bo ch	000m: 1-2,2-3	RANGE: end	tree
<i>veraguasensis</i> Seem.		PROV: ch	000m: 1-2,2-3	RANGE: cr hon	shrub tree
<i>Tetracera</i>					
<i>hydrophila</i> Tr. & Pl.		PROV: bo ca pa	000m: 0-1	RANGE: cag col ecu	climber
<i>portobellensis</i> Beurl.		PROV: bo ca cn da	000m: 0-1	RANGE: bol cag mex sag? sao	climber shrub
<i>volubilis</i> L.		PROV: ca cc da pa	000m: 0-1	RANGE: ang cag mex sag? sao	climber
<i>willdenowiana</i> Steud.		PROV: bo ca pa	000m: 0-1	RANGE: cag sat	climber

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
182 (119) OCHNACEAE					
<i>Cespedezia macrophylla</i> Seem.		PROV: bo ca cc cn da pa sa vr	000m: 0-1	RANGE: cag sat	climber
<i>Ouratea cocleensis</i> Dwyer		PROV: cc pa	000m: 0-1, 1-2	RANGE: end	tree
<i>curvata</i> Dwyer		PROV: bo	000m: 0-1	RANGE: cr sao	shrub
<i>flexipedicellata</i> Dwyer		PROV: da	000m: 0-1	RANGE: end	shrub?
<i>insulae</i> Riley		PROV: pa	000m: 0-1	RANGE: bel gua hon mex	tree
<i>lucens</i> (H.B.K.) Engl.		PROV: bo ca cc ch da he lo pa sa	000m: 0-1	RANGE: cag mex	shrub
<i>mexicana</i> (H. & B.) Engl.		PROV: cc	000m: 0-1	RANGE: mex	tree
<i>patelliformis</i> Dwyer		PROV: ca	000m: 0-1	RANGE: end	shrub
<i>tuerckheimii</i> J.D. Sm.		PROV: cn pa sa	000m: 0-1	RANGE: gua	tree
* <i>valerii</i> Char.		PROV: cn pa	000m: 0-1	RANGE: cr	tree
<i>Sauvagesia elata</i> Benth.		PROV: bo	000m: 0-1	RANGE: gui	herb
<i>erecta</i> L.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: wdw	herb
* <i>paucielata</i> Sastre		PROV: bo vr	000m: 0-1	RANGE: end	herb
<i>pulchella</i> Seem.		PROV: cc pa vr	000m: 0-1	RANGE: cr sag?	herb
<i>tenella</i> Lam.		PROV: ca cc ch cn he pa	000m: 0-1	RANGE: cag cub sag	herb

183 (120) CARYOCARACEAE

<i>Caryocar amygdaliferum</i> Mutis		PROV: da	000m: 0-1	RANGE: col	tree
<i>costaricense</i> J.D. Sm.		PROV: sa	000m: 0-1	RANGE: cr	tree
<i>nuciferum</i> L.		PROV: da	000m: 1-2	RANGE: ang gui	tree

184 (121) MARCGRAVIACEAE

<i>Marcgravia affinis</i> Hemsl.		PROV: bo cc da vr	000m: 0-1, 1-2	RANGE: col cr	epiph
<i>atropuncta</i> de Roon		PROV: cc ch	000m: 0-1	RANGE: end	shrub
<i>brownei</i> (Tr. & Pl.) Krug & Urb.		PROV: cc ch pa vr	000m: 0-1, 1-2, 2-3	RANGE: bol col cr ecu hon	epiph
<i>macrophylla</i> (Wittm.) Gilg		PROV: da	000m: 0-1	RANGE: jam per ven per	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
184 (121) MARCGRAVIACEAE cont.					
membranacea Standl.		PROV: cc ch cn pa	000m: 0-1,1-2	RANGE: cr	climber
*myriostigma Tr. & Pl.		PROV: cc	000m: 0-1,1-2	RANGE: col	epiph shrub
nepenthoides Seem.		PROV: bo ca cn pa sa	000m: 0-1	RANGE: bel cag	climber
*nervosa Tr. & Pl.		PROV: cc	000m: 0-1,1-2	RANGE: col	shrub tree
*pittieri Gilg		PROV: pa	000m: 0-1	RANGE: cag	epiph climber
*rectiflora Tr. & Pl.					
*--var. rectiflora		PROV: ch	000m: 2-3,3+	RANGE: cag	climber
schippii Standl.		PROV: bo cn da pa	000m: 0-1	RANGE: bel cag?	climber
serrae de Roon		PROV: ch pa vr	000m: 0-1,1-2,2-3	RANGE: cr	epiph shrub climber
Norantea					
costaricensis Gilg		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiph shrub climber
subsessilis (Benth.) J.D. Sm.		PROV: bo cc pa	000m: 0-1	RANGE: col cr	epiph shrub climber
Ruyschia					
phylladenia Sandv.		PROV: ch da	000m: 0-1,1-2	RANGE: cr	shrub climber
Souroubea					
*bicolor (Benth.) de Roon		PROV: pa	000m: 0-1	RANGE: col	climber
gilgii Al. Richter		PROV: bo	000m: 0-1	RANGE: bel cag?	epiph shrub climber
loczyi (Al. Richter) de Roon					
--subsp. minima de Roon		PROV: cc vr	000m: 0-1,1-2	RANGE: cr	epiph shrub
sympetala Gilg		PROV: bo ca cn pa	000m: 0-1	RANGE: bel col cr ecu gua hon nio per ven	climber shrub
vallicola de Roon		PROV: cc pa	000m: 0-1	RANGE: cr	shrub climber
venosa Schery		PROV: cc pa vr	000m: 0-1	RANGE: end	epiph shrub climber
*verrucosa Schery		PROV: vr	000m: 0-1	RANGE: vr	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
185 (121A) QUINACEAE					
Lacunaria panamensis (Standl.) Standl.		PROV: bo pa	000m: 0-1	RANGE: end	tree
*Quina colonensis (D'Arcy) D'Arcy		PROV: cn	000m: 0-1	RANGE: end	tree
*schippii Standl.		PROV: bo pa	000m: 0-1	RANGE: cr	tree
186 (122) THEACEAE					
Cleyera theaeoides (Sw.) Choisy		PROV: ch	000m: 1-2,2-3	RANGE: cag jam mex	tree shrub
Freziera candicans Tul.		PROV: ch	000m: 1-2,2-3	RANGE: col cr ven	tree
*forerorum A. Gentry		PROV: da	000m: 1-2	RANGE: col	tree
*hieronymi Kobuski		PROV: da	000m: 1-2	RANGE: wr	tree
Laplacea fruticosa (Schrad.) Kobuski		PROV: ch da	000m: 0-1,1-2	RANGE: cr hon sag	tree
grandis Brandeg.		PROV: da pa	000m: 0-1,1-2	RANGE: cr hon mex	tree
Pelliciera rhizophorae Tr. & Pl.		PROV: ca da pa	000m: 0-1	RANGE: cag sat	tree
Symplococarpon chiriquense Kobuski		PROV: ch da	000m: 1-2	RANGE: end	tree
Ternstroemia tepezapote Schlecht. & Cham.		PROV: bo ca cc ch cn da he pa vr	000m: 0-1	RANGE: cag mex	tree shrub
187 (123) GUTTIFERAE					
Calophyllum inophyllum L.	cult.	PROV: ca he pa vr	000m: 0-1	RANGE: afr asi oce	tree
longifolium Willd.		PROV: ca cn da he pa sa vr	000m: 0-1	RANGE: col gui per sao	tree
nubicola D'Arcy & Keating		PROV: pa sa	000m: 0-1	RANGE: end	tree
soulattri Burm. f.	cult.	PROV: ca	000m: 0-1	RANGE: asi oce	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
187 (123) GUTTIFERAE cont.					
*Chrysochlamys eclipses L.O. Wms. *weberbaueri Engl.		PROV: ca cn pa sa PROV: da	000m: 0-1 000m: 1-2	RANGE: end RANGE: col	shrub tree
Clusia coclensis Standl.		PROV: cc ch cn pa vr	000m: 0-1,1-2	RANGE: cr	epiph shrub tree
congestiflora Cuatr.		PROV: ch da pa sa	000m: 0-1,1-2	RANGE: col	epiph shrub tree
croatii D'Arcy		PROV: bo ca cc ch da pa	000m: 0-1,1-2	RANGE: end	epiph tree shrub
cupulata (Maguire) Maguire		PROV: ch cn pa	000m: 0-1,1-2	RANGE: end	epiph shrub tree
divaricata Maguire		PROV: cc pa sa vr	000m: 0-1	RANGE: cr	epiph shrub tree
dukei Maguire		PROV: ch pa vr	000m: 0-1,1-2	RANGE: end	epiph tree
fructiangusta Cuatr.		PROV: cc pa	000m: 0-1	RANGE: col ecu	epiph shrub tree
*gracilis Standl.		PROV: bo vr	000m: 0-1	RANGE: cr	epiph shrub
liesneri Maguire		PROV: cc cn pa vr	000m: 0-1	RANGE: cr	epiph shrub tree
lineata (Benth.) Pl. & Tr.		PROV: bo cc da vr	000m: 0-1,1-2	RANGE: col	epiph shrub tree
longipetiolata Schery		PROV: bo cn	000m: 0-1	RANGE: end	epiph shrub tree
minor L.		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1,1-2	RANGE: ang cag? cr sag?	epiph tree shrub
oedematopoidea Maguire		PROV: bo da pa sa	000m: 0-1	RANGE: cr	epiph climber tree
osseocarpa Maguire		PROV: ca da pa sa	000m: 0-1,1-2	RANGE: end	epiph shrub tree
palmana Standl.		PROV: bo cc ch da vr	000m: 0-1,1-2,2-3	RANGE: cr	epiph tree
*quadrangula Choisy		PROV: bo ca cc	000m: 0-1	RANGE: cag	epiph shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
187 (123) GUTTIFERAE cont.					
rosea Jacq.		PROV: ca cc ch cn ha pa vr	000m: 0-1,1-2,2-3	RANGE: ang jam	tree epiph tree shrub
rotundata Standl.		PROV: cc ch cn da pa sa vr	000m: 0-1,1-2,2-3	RANGE: cr	epiph tree shrub
salvinii J.D. Sm.		PROV: bo cc ch da pa vr	000m: 0-1,1-2	RANGE: gua	epiph tree shrub
stenophylla Standl.		PROV: cc cn	000m: 0-1,1-2	RANGE: cag	epiph shrub tree
*triflora Cuatr.		PROV: cc	000m: 0-1	RANGE: col cr nic	wh
uvitana Pitt.		PROV: cn	000m: 0-1	RANGE: cr	epiphyte
*valerii Standl.		PROV: cc cn cn sa	000m: 0-1	RANGE: cr	epiph tree
Clusiella elegans Pl. & Tr.		PROV: cc da pa sa vr	000m: 0-1	RANGE: col cr per sag	shrub
Dystovomita pittieri (Engl.) D'Arcy		PROV: da sa	000m: 0-1	RANGE: col cr	tree
Garcinia mangostana L.	cult.	PROV: ca	000m: 0-1	RANGE: asi	tree
pictorius (Roxb.) D'Arcy	cult.	PROV: ca pa	000m: 0-1	RANGE: asi	tree
Havetiopsis flexilis Pl. & Tr.		PROV: ca ch cn	000m: 0-1	RANGE: bel col per sag? sao ven	shrub tree
Mammea americana L.	cult.	PROV: ca pa	000m: 0-1	RANGE: ang cag	tree
immanueta D'Arcy		PROV: pa	000m: 0-1	RANGE: end	tree
Marila domingensis Urb.		PROV: pa sa	000m: 0-1	RANGE: his	tree
lactogena Cuatr.		PROV: cc pa sa	000m: 0-1,1-2	RANGE: col	tree
laxiflora Rusby		PROV: ca cc cn da pa	000m: 0-1	RANGE: bol cag? gua sag?	shrub tree
pluricostata Standl. & L.O. Wms.		PROV: cn pa	000m: 0-1	RANGE: cr	tree
*Quapoya *sipapoana Maguire		PROV: pa sa	000m: 0-1	RANGE: per	hemiepiphyte
Rheedia acuminata (R. & P.) Pl. & Tr.		PROV: ca cc ch cn da pa	000m: 0-1,1-2	RANGE: col cr gui per sag?	tree
edulis (Seem.) Pl. & Tr.		PROV: bo ca cc ch da he lo pa vr	000m: 0-1	RANGE: cag mex per	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
187 (123) GUTTIFERAE cont.					
<i>lateriflora</i> L.		PROV: cc	000m: 0-1	RANGE: ang his jam trt	shrub tree
<i>macrophylla</i> (Mart.) Pl. & Tr.		PROV: cn pa sa	000m: 0-1	RANGE: cr gui sao	tree
<i>Symphonia</i> <i>globulifera</i> L. f.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2,2-3	RANGE: afr bel cag? gui sag?	tree
<i>Tovomita</i> <i>longifolia</i> (Rich.) Hochr.		PROV: ca cn da pa sa	000m: 0-1	RANGE: gui sao	tree
<i>morii</i> Maguire		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>stylosa</i> Hemsl.		PROV: ca cc cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr ecu sao ven	tree shrub
<i>weddelliana</i> Pl. & Tr.		PROV: cc cn da pa sa vr	000m: 0-1	RANGE: bol col cr ecu per ven	shrub tree
<i>Tovomitopsis</i> <i>allenii</i> Maguire		PROV: bo ch	000m: 1-2,2-3	RANGE: cr nic	tree
<i>angustifolia</i> Maguire		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>centistaminibus</i> D'Arcy		PROV: ch	000m: 1-2	RANGE: col ecu	tree
<i>croatii</i> (Maguire) D'Arcy		PROV: bo cc cn pa	000m: 0-1	RANGE: end	shrub
<i>faucis</i> D'Arcy		PROV: ch	000m: 1-2	RANGE: end	tree?
<i>glauca</i> Pl. & Tr.		PROV: bo ca cc ch cn da pa vr	000m: 0-1,1-2,2-3	RANGE: cr sao	shrub tree
<i>membranacea</i> (Pl. & Tr.) D'Arcy		PROV: vr	000m: 0-1	RANGE: col	tree
<i>membrillensis</i> D'Arcy		PROV: da	000m: 0-1	RANGE: end	tree
<i>micrantha</i> (Engl.) D'Arcy		PROV: da sa	000m: 0-1,1-2	RANGE: per	tree shrub
<i>myrcioides</i> (Pl. & Tr.) D'Arcy		PROV: cc cn pa vr	000m: 0-1,1-2	RANGE: col cr	tree
<i>nicaraguensis</i> Pl. & Tr.		PROV: bo ca cc cn da pa sa vr	000m: 0-1,1-2	RANGE: cr nic	shrub tree

187 (123a) HYPERICACEAE

<i>Hypericum</i> <i>gnidioides</i> Seem.		PROV: cc ch	000m: 0-1,1-2,2-3,3+	RANGE: cag cr hon mex nic	shrub
<i>*moranense</i> Kunth		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag mex	herb
<i>Vismia</i> <i>*baccifera</i> (L.) Tr. & Pl.		PROV: ca cc ch cn da pa vr	000m: 0-1	RANGE: cag col cr gui mex	shrub
<i>billbergiana</i> Beurl.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr	shrub tree
<i>jefensis</i> N. Robson		PROV: pa	000m: 0-1,1-2	RANGE: end	shrub tree
<i>latisepala</i> N. Robson		PROV: ca cc cn pa sa vr	000m: 0-1	RANGE: col	shrub tree
<i>macrophylla</i> H.B.K.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: cag? col cr gui per sao ven	tree shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
	cont.				
panamensis Duchass. & Walp.		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1,1-2	RANGE: cr nic	shrub tree
194 (125) BIXACEAE					
Bixa					
orellana L.	intr. cult.	PROV: bo ca ch cn da he lo pa sa vr	000m: 0-1	RANGE: nwt	shrub tree
*urucurana Willd.		PROV: ca cn da pa	000m: 0-1	RANGE: bol per sao ven	tree
195 (126) COCHLOSPERMACEAE					
Cochlospermum					
*orinocense (H.B.K.) Steud.		PROV: ca cn da sa	000m: 0-1	RANGE: bol col gui per sao ven	tree
vitifolium (Willd.) Spr. cult.		PROV: ca cc cn da he lo pa	000m: 0-1	RANGE: ang cag mex per sag	tree
198 (127) VIOLACEAE					
Amphirrhox					
longifolia (St. Hil.) Spr.		PROV: bo	000m: 0-1	RANGE: col gui per sao ven	shrub tree
Corynostylis					
arborea (L.) Blake		PROV: ca da	000m: 0-1	RANGE: cag? sag?	climber
Gloeospermum					
*blakeanum (Standl.) Hekking		PROV: cc cn da pa	000m: 0-1,1-2	RANGE: end	shrub
*eneidense Hekking		PROV: pa	000m: 0-1	RANGE: cag	treelet
ferrugineostictum A. Robyns		PROV: bo	000m: 0-1	RANGE: end	tree
portobelense A. Robyns		PROV: cn	000m: 0-1	RANGE: end	tree
*sphaerocarpum Tr. & Pl.		PROV: cn da	000m: 0-1	RANGE: per	tree
Hybanthus					
attenuatus (Schult.) Schulze		PROV: ca pa	000m: 0-1	RANGE: cag mex nao per sag?	herb
*galeottii (Turcz.) Morton		PROV: ch	000m: 1-2,2-3	RANGE: mex	herb
prunifolius (Schult.) Schulze		PROV: bo ca cc cn da pa sa	000m: 0-1,1-2	RANGE: col cr ven	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
198 (127) VIOLACEAE cont.					
thiemei (J.D. Sm.) Morton		PROV: cc	000m: 0-1	RANGE: cag mex	herb
*Leonia					
*glycyarpa R. & P.		PROV: da	000m: 0-1	RANGE: sat	tree
Rinorea					
*blakeana Standl.		PROV: cn	000m: 0-1	RANGE: end	shrub
brachythrix Blake		PROV: da	000m: 0-1	RANGE: end	shrub
*crenata Blake		PROV: cn da	000m: 0-1	RANGE: cr	tree
*dasyadena A. Robyns		PROV: cc cn pa sa vr	000m: 0-1	RANGE: end	tree
*hirsuta Hekking		PROV: da	000m: 0-1	RANGE: col	shrub
*hummelii Sprague		PROV: sa	000m: 0-1	RANGE: cag	tree
*paniculata (Mart.) Kuntze		PROV: cn	000m: 0-1	RANGE: sao	tree
*passoura (DC.) Kuntze		PROV: cn pa	000m: 0-1	RANGE: per ven	shrub
roureoides Woods.		PROV: cn	000m: 0-1	RANGE: end	tree
squamata Blake		PROV: bo ca cc cn da	000m: 0-1	RANGE: cr	shrub
		pa sa			tree
sylvatica (Seem.) Kuntze		PROV: bo ca da pa	000m: 0-1	RANGE: col cr	shrub
					tree
Viola					
guatemalensis Becker		PROV: ch	000m: 2-3, 3+	RANGE: cag mex	herb
*nannei Polak.		PROV: ch	000m: 2-3	RANGE: cr mex	herb
odorata L.	intr.	PROV: ch	000m: 1-2	RANGE: afr asi eur	herb
scandens Schult.		PROV: ch	000m: 0-1	RANGE: bol cag col ecu mex	herb
				ven	
stipularis Sw.		PROV: cc ch da	000m: 0-1, 1-2	RANGE: col cr ecu lag per	herb
				ven	
199 (128) FLACOURTIACEAE					
Banara					
guianensis Aubl.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bol col cr nic per	shrub
		lo pa vr		sat	tree
Carpotroche					
*longifolia Benth.		PROV: cn pa	000m: 0-1	RANGE: sao sat	tree
platyptera Pitt.		PROV: bo cc cn da pa	000m: 0-1	RANGE: cag ecu gua	shrub
		sa vr			
Casearia					
*aculeata Jacq.		PROV: ca ch da he lo	000m: 0-1	RANGE: bol cag mex per sao	tree
		pa vr		sat	shrub
arborea (Rich.) Urb.		PROV: ca cc ch cn pa	000m: 0-1	RANGE: ang bei cag gag gui	shrub
				per sao sat	
arguta H.B.K.		PROV: bo ca cc ch da	000m: 0-1	RANGE: cag col mex per ven	shrub
		he pa vr			tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
199 (128) FLACOURTIACEAE cont.					
*atlantica Sleumer		PROV: vr	000m: 0-1	RANGE: end	tree
*cajambrensis Cuatr.		PROV: vr	000m: 0-1	RANGE: col	tree
commersoniana Camb.		PROV: bo ca ch cn da lo pa sa	000m: 0-1	RANGE: cag mex sao sat	shrub tree
*coronata Standl. & L.O. Wms.		PROV: bo cn da pa	000m: 0-1,1-2	RANGE: cr	tree
corymbosa H.B.K.		PROV: ca cn da lo pa vr	000m: 0-1	RANGE: cag col mex ven	shrub treelet
*decandra Jacq.		PROV: wp	000m: we	RANGE: ang hon sao sat	shrub
grandiflora Camb.		PROV: da	000m: 0-1	RANGE: col gui sao ven	tree
guianensis (Aubl.) Urb.		PROV: bo ca cn da he pa vr	000m: 0-1	RANGE: ang ang cr sao sat	tree? shrub
nitida (L.) Jacq.		PROV: bo ca ch cn da pa sa vr	000m: 0-1	RANGE: nwt	tree shrub
*spinescens (Sw.) Griseb.		PROV: pa	000m: 0-1	RANGE: gag trt ven	tree
sylvestris Sw.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: nwt per	shrub shrub
*tacanensis Lund.		PROV: ch	000m: 1-2	RANGE: cag sat	tree tree
*Flacourtia					
*jangomas (Lour.) Raeusch. intr. cult.		PROV: ca	000m: 0-1	RANGE: owt	tree
Hasseltia					
floribunda H.B.K.		PROV: bo ca ch cn da pa vr	000m: 0-1,1-2	RANGE: bol cr hon nic sat	shrub tree
Homalium					
racemosum Jacq.		PROV: ca da	000m: 0-1	RANGE: ang cag mex sao sat	tree
Laetia					
micrantha A. Robyns		PROV: da	000m: 0-1	RANGE: end	tree
procera (Poepp.) Eichl.		PROV: ca	000m: 0-1	RANGE: ang bel cr gua gui	tree
thamnia L.		PROV: ca cn lo pa sa vr	000m: 0-1,1-2	RANGE: nic sao sat ang cag col mex	tree
Lindackeria					
laurina Presl		PROV: ca ch cn da pa	000m: 0-1	RANGE: bel col cr gua mex ven	tree
Lunania					
*mexicana Brandeg.		PROV: ch pa vr	000m: 0-1	RANGE: cag mex	tree
parviflora Benth.		PROV: cn da sa	000m: 0-1	RANGE: bol col cr ecu per	tree
piperoides Standl.		PROV: bo cc vr	000m: 0-1	RANGE: sao sat hon	shrub tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

203

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
199 (128) FLACOURTIACEAE cont.					
<i>*Macrohasseltia</i>					
<i>*macroterantha</i> (Standl. & L.O. Wms.) L.O. Wms.		PROV: pa vr	000m: 0-1	RANGE: cr hon nic	tree
<i>Mayna</i>					
<i>*grandifolia</i> (Karst.) Warb.		PROV: da pa	000m: 0-1,1-2	RANGE: col per ven	shrub tree
<i>*odorata</i> Aubl.		PROV: ca cc ch da pa sa	000m: 0-1,1-2	RANGE: cr hon sat	shrub tree
<i>Neosprucea</i>					
<i>*grandiflora</i> (Benth.) Sleumer		PROV: cc	000m: 0-1	RANGE: col ecu per	tree shrub
<i>*Pleuranthodendron</i>					
<i>*lindenii</i> (Turcz.) Sleumer		PROV: cn da vr	000m: 0-1	RANGE: cag ecu per sat	tree
<i>Prockia</i>					
<i>crucis</i> L.		PROV: ca pa vr	000m: 0-1	RANGE: ang cag mex sag	shrub tree
<i>Ryania</i>					
<i>speciosa</i> Vahl					
--var. <i>panamensis</i> Monachino		PROV: bo ca cc cn pa sa	000m: 0-1	RANGE: end	shrub tree
<i>Tetrathylacium</i>					
<i>johansenii</i> Standl.		PROV: ca da pa sa	000m: 0-1	RANGE: col cr	tree
<i>macrophyllum</i> Poepp.		PROV: cc ch	000m: 0-1	RANGE: col cr per sat	tree
<i>Xylosma</i>					
<i>anisophylla</i> Standl.		PROV: he pa	000m: 0-1	RANGE: bel cr mex	shrub tree
<i>*chloranthum</i> J.D. Sm.		PROV: ca ch cn	000m: 0-1,1-2	RANGE: cag cr mex	tree
<i>flexuosa</i> (H.B.K.) Hemsl.		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: cag mex nas sat	shrub tree
<i>hispidula</i> Standl.		PROV: bo	000m: 0-1	RANGE: cr	shrub tree
<i>intermedium</i> (Seem.) Tr. & Pl.		PROV: ch	000m: 1-2	RANGE: cag col mex sat ven	shrub
<i>*oligandrum</i> J.D. Sm.		PROV: ca cc da sa	000m: 0-1	RANGE: cag mex	tree
<i>panamensis</i> Turcz.		PROV: bo ca cn sa vr	000m: 0-1	RANGE: cag mex	shrub tree
<i>*rubicundum</i> (Karst.) Gilg		PROV: da vr	000m: 0-1,1-2	RANGE: col ven	tree
<i>*velutinum</i> (Tul.) Tr. & Pl.		PROV: wp	000m: we	RANGE: cag mex sat	shrub tree
<i>Zuelania</i>					
<i>guidonia</i> (Sw.) Britt. & Millsp.		PROV: ca cc da pa	000m: 0-1	RANGE: ang cag cr mex trt	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
201 (129) TURNERACEAE					
<i>Erblichia</i> <i>odorata</i> Seem.		PROV: cc ch vr	000m: 0-1	RANGE: cag mex	tree
<i>Piriqueta</i> <i>cistoides</i> Steud.		PROV: cc pa	000m: 0-1	RANGE: ang cag mex sag	herb
<i>Turnera</i> <i>angustifolia</i> Mill.		PROV: bo ca sa	000m: 0-1	RANGE: afr ang asi cag? nic	shrub
* <i>diffusa</i> Schult.		PROV: cc	000m: 0-1	RANGE: cag ecu sao	herb?
<i>panamensis</i> Urb.		PROV: ca da pa	000m: 0-1	RANGE: end	shrub
<i>ulmifolia</i> L.		PROV: cc ch lo pa vr	000m: 0-1	RANGE: nwt	herb
					shrub
203 (130) PASSIFLORACEAE					
* <i>Dilkea</i>					
* <i>acuminata</i> Mast.		PROV: cn	000m: 0-1	RANGE: col sao	climber
* <i>johannesii</i> Barb. Rodr.		PROV: cn	000m: 0-1	RANGE: sao	climber
<i>Passiflora</i>					
<i>adenopoda</i> DC.		PROV: ch	000m: 1-2	RANGE: cag cr mex per ven	climber
<i>ambigua</i> Hemsl.		PROV: bo ca cc cn pa	000m: 0-1	RANGE: cag mex	climber
<i>apetala</i> Killip		PROV: ch	000m: 1-2	RANGE: cr	climber
* <i>arborea</i> Spr.		PROV: bo ch da	000m: 1-2	RANGE: cag col	climber
					tree
<i>auriculata</i> H.B.K.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: bol cag? nic per sag?	climber
		pa sa		sao	
<i>biflora</i> Lam.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: bah cag col mex ven	climber
		da lo pa sa vr			
* <i>capsularis</i> L.		PROV: cc	000m: 0-1,1-2	RANGE: cag	climber
<i>coriacea</i> Juss.		PROV: ca cc pa	000m: 0-1,1-2	RANGE: bol cag? gui mex sag?	climber
* <i>costaricensis</i> Killip		PROV: bo cn pa	000m: 0-1	RANGE: cag cr	climber
* <i>edulis</i> Sims		PROV: cc ch pa	000m: 0-1,2-3	RANGE: cag sat	climber
* <i>eueidipabulum</i> Knapp & Mallet		PROV: cn	000m: 0-1	RANGE: end	climber
<i>foetida</i> L.					
*--var. <i>isthmia</i> Killip		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag cr ecu sat	climber
		da lo pa sa			
*--var. <i>maxonii</i> Killip		PROV: cc	000m: 0-1	RANGE: cag	climber
<i>hahnii</i> (Fourn.) Mast.		PROV: cc da pa	000m: 0-1	RANGE: cag col mex	climber
<i>holosericea</i> L.		PROV: ch	000m: 0-1	RANGE: cag col cub mex ven	climber
<i>lancearia</i> Mast.		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: cr	climber
<i>ligularis</i> Juss.		PROV: ch	000m: 1-2,2-3	RANGE: bol cag mex ven	climber
* <i>macdougaliana</i> Knapp & Mallet		PROV: cn	000m: 0-1	RANGE: end	climber
<i>membranacea</i> Benth.		PROV: ch da	000m: 2-3,3+	RANGE: cag mex	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
203 (130) PASSIFLORACEAE cont.					
menispermifolia H.B.K.		PROV: bo ca ch cn pa vr	000m: 0-1,1-2	RANGE: cag? nic per sag? sao	climber
misera H.B.K.		PROV: ca pa	000m: 0-1	RANGE: per	climber
nitida H.B.K.		PROV: ca cn da pa	000m: 0-1	RANGE: gui per sag? sao	climber
oerstedii Mast.		PROV: bo cc ch cn da he pa	000m: 0-1,1-2	RANGE: cag col mex ven	climber
*--var. choconiana (Wats.) Killip		PROV: ca	000m: 0-1	RANGE: cag	climber
panamensis Killip		PROV: da	000m: 0-1	RANGE: col	climber
pediculata Mast.		PROV: bo	000m: 0-1,1-2	RANGE: cr	climber
*pittieri Mast.		PROV: ch vr	000m: 0-1	RANGE: col	climber
*platyloba Killip		PROV: lo pa	000m: 0-1	RANGE: cag	climber
*porphyretica Mast.		PROV: pa	000m: 0-1	RANGE: mex	climber
pulchella H.B.K.		PROV: ca da lo pa	000m: 0-1	RANGE: cag col mex nao ven	climber
punctata L.		PROV: ca pa	000m: 0-1	RANGE: per sag sao	climber
quadrangularis L.	cult.	PROV: bo ca cc ch cn pa vr	000m: 0-1	RANGE: nwt	climber
seemannii Griseb.		PROV: bo ca ch cn da pa sa	000m: 0-1,1-2,2-3	RANGE: cag col mex	climber
*serrato-digitata L.		PROV: da	000m: 0-1	RANGE: bol col ecu per sao	climber
sexflora Juss.		PROV: bo ch vr	000m: 0-1,1-2	RANGE: cag col fla gag mex	climber
suberosa L.		PROV: pa sa	000m: 0-1	RANGE: ang bah cag fla mex owg sag? sao sao tex	climber
subpeltata Ort.		PROV: ca cc cn pa	000m: 0-1,1-2,2-3	RANGE: cag col mex ven	climber
*tiliaefolia L.		PROV: cc vr	000m: 0-1	RANGE: ecu	climber
tryphostemmatoides Harms		PROV: bo ch cn pa	000m: 0-1	RANGE: col	climber
vitifolia H.B.K.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: cag? cub jam nic per ven	climber
williamsii Killip		PROV: ca cc da lo pa	000m: 0-1	RANGE: end	climber
*Tetrastylis					
*lobata Killip		PROV: bo	000m: 0-1	RANGE: cr	climber

205 (131) CARICACEAE

Carica					
*cauliflora Jacq.		PROV: ca da vr	000m: 0-1	RANGE: cag cr mex sag sat	tree
*goudotiana (Tr. & Pl.) Solms		PROV: ca	000m: 0-1	RANGE: col	shrub
*microcarpa Jacq.					shrub
*--subsp. heterophylla (P. & E.) Bad.					
papaya L.	cult.	PROV: cc bo ca cn da pa vr	000m: 0-1 000m: 0-1	RANGE: col ecu per sao RANGE: nwt	tree tree
*pubescens Lenne & Koch		PROV: ch	000m: 1-2	RANGE: bol col ecu per ven	tree
Jacaratia					
costaricensis I.M. Johnst.		PROV: cn	000m: 0-1	RANGE: cr	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
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205 (131) CARICACEAE cont.

dolichaula J.D. Sm.		PROV: bo da vr	000m: 0-1	RANGE: bel cr gua mex	tree
*spinosa (Aubl.) A. DC.		PROV: ca cn da pa	000m: 0-1	RANGE: cr gui nic per sag	tree
				sao	

206 (132) LOASACEAE

Gronovia scandens L.		PROV: lo pa	000m: 0-1	RANGE: cag ecu mex ven	herb
Klaprothia mentzelioides H.B.K.		PROV: bo ch	000m: 1-2	RANGE: sat	herb
Loasa grandis Standl.		PROV: ca cc da	000m: 0-1	RANGE: cr	herb
rudis Benth.		PROV: ch	000m: 1-2	RANGE: cag mex	herb
speciosa J.D. Sm.		PROV: ch	000m: 2-3	RANGE: cr	herb
Mentzelia aspera L.		PROV: ca cc pa	000m: 0-1	RANGE: cag? nao sag? sao	herb
*Sclerothrix *fasciculata C. Presl		PROV: cc pa vr	000m: 0-1	RANGE: mex	herb

208 (133) BEGONIACEAE

Begonia brevicyma C. DC.		PROV: ch	000m: 1-2	RANGE: end	herb
*buseyi Burt-Utley		PROV: pa	000m: 0-1	RANGE: end	herb
carletonii Standl.		PROV: bo ch	000m: 0-1	RANGE: cr	herb
conchifolia A. Dietr.		PROV: cc pa	000m: 0-1, 1-2	RANGE: cr	herb
convallariodora C. DC.		PROV: cc ch	000m: 0-1, 1-2	RANGE: cag mex	herb
*corredorana C. DC.		PROV: ch da	000m: 0-1	RANGE: cr	herb
*croatii Burt-Utley		PROV: vr	000m: 0-1, 1-2	RANGE: end	herb
davidsoniae Sm. & Schubert		PROV: ch	000m: 1-2	RANGE: end	herb
*dressleri Burt-Utley		PROV: cn	000m: 0-1	RANGE: end	herb
estrellensis C. DC.		PROV: cc	000m: 0-1	RANGE: cr	climber
*fischeri Schrank		PROV: ca cc pa	000m: 0-1	RANGE: per ven	herb
garagarana C. DC.		PROV: da vr	000m: 0-1	RANGE: end	herb
glabra Aubl.		PROV: bo cc ch pa sa	000m: 0-1, 1-2	RANGE: ang bol cag gui mex	herb
		vr		per sag?	
guaduensis H.B.K.		PROV: ca ch da lo vr	000m: 0-1	RANGE: col ven	herb
*heracleifolia Schlecht. & Cham.		PROV: ca	000m: 0-1	RANGE: cag mex	herb
heydei C. DC.		PROV: cc	000m: 0-1	RANGE: cr gua	herb
*hirsuta Aubl.		PROV: ca ch cn da pa	000m: 0-1	RANGE: col cr gui nic ven	herb
involucrata Liebm.		PROV: ch	000m: 1-2	RANGE: cr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
208 (133) BEGONIACEAE cont.					
*morii Burt-Utley		PROV: pa	000m: 0-1	RANGE: end	herb
mucronistipula C. DC.		PROV: ch	000m: 1-2	RANGE: end	herb
multinervia Liebm.		PROV: cc ch vr	000m: 0-1	RANGE: cr nic	herb
nelumbiifolia Schlecht. & Cham.		PROV: ca da pa	000m: 0-1	RANGE: cag col mex	herb
oaxacana A. DC.		PROV: ch	000m: 1-2,2-3	RANGE: cr gua mex nic	herb
opuliflora Putz. cult.		PROV: cc	000m: 0-1	RANGE: end	herb
plebeja Liebm.		PROV: ca cc da pa vr	000m: 0-1	RANGE: cag mex	herb
quaternata Sm. & Schubert		PROV: ch	000m: 1-2	RANGE: cr	herb
seemanniana A. DC.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
semiovata Liebm.		PROV: bo ca	000m: 0-1	RANGE: col cr gui nic per	herb
*sericoneura Liebm.		PROV: ch vr	000m: 0-1	RANGE: cag col mex	herb
strigillosa A. Dietr.		PROV: ch	000m: 2-3	RANGE: cr gua mex sal	herb
tonduzii C. DC.		PROV: cc da	000m: 0-1,1-2	RANGE: cr	herb
udisilvestris C. DC.		PROV: bo ch	000m: 1-2,2-3,3+	RANGE: cr	herb
*urophyllia Hook.		PROV: ca cc ch da sa	000m: 0-1	RANGE: col cr gua ven	herb
urticae L. f.		PROV: bo ch	000m: 1-2,2-3	RANGE: col cr per sag?	herb
vestita C. DC.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	herb

210 (134) CACTACEAE

Acanthocereus					
pentagonus (L.) Britt. & Rose		PROV: bo ca pa	000m: 0-1	RANGE: ang cag col cr fla hon mex nic sat tex ven	shrub
Cereus					
costaricensis (Weber) A. Berger		PROV: ca	000m: 0-1	RANGE: cr	epiph climber
Epiphyllum					
*crenatum (Lindl.) G. Don		PROV: pa	000m: we	RANGE: gua hon mex	epiph herb
*grandilobum (Weber) Britt. & Rose		PROV: ch pa vr	000m: 0-1	RANGE: cr	epiph climber
lepidocarpum (Weber) Britt. & Rose		PROV: ch	000m: 1-2	RANGE: cr	epiph shrub
macropterum (Lam.) Britt. & Rose		PROV: bo ch	000m: 0-1	RANGE: cc cr	epiph shrub
phyllanthus (L.) Haw.					
*--var. columbiense (Weber) Kimn.		PROV: bo ca ch	000m: 0-1	RANGE: col cr ecu	epiphyte
*--var. hookerii (Haw.) Kimn.		PROV: ch	000m: we	RANGE: cr	epiph herb
--var. phyllanthus		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: bel bol cr mex nic sag? sao sao	epiph shrub
--var. pittieri (Weber) Kimn.		PROV: bo ca ch	000m: 0-1	RANGE: cr	epiph shrub
*--var. rubrocoronatum Kimn.		PROV: ca	000m: 0-1	RANGE: col ecu	epiphyte

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

208

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
210 (134) CACTACEAE cont.					
thomasianum (Schum.) Britt. & Rose *--var. costaricensis (Weber) Kimn.		PROV: bo	000m: 0-1	RANGE: cr	epiph herb
Hylocereus					
monacanthus (Lem.) Britt. & Rose		PROV: ca ch da pa vr	000m: 0-1	RANGE: col	epiphyte
polyrhizus (Weber) Britt. & Rose		PROV: ch pa vr	000m: 0-1	RANGE: col nic	epiph climber
*stenopterus (Weber) Britt. & Rose		PROV: ch	000m: 0-1	RANGE: end	epiph climber
Nopalea					
cochenillifera (L.) Salm-Dyck intr. cult.		PROV: ca	000m: 0-1	RANGE: nwt	shrub
dejecta (Salm-Dyck) Salm-Dyck cult.		PROV: ca	000m: 0-1	RANGE: nwt	shrub
Opuntia					
elator Mill.		PROV: pa	000m: 0-1	RANGE: col cr	shrub
Pereskia					
aculeata Mill.		PROV: pa	000m: 0-1	RANGE: ang col fla?	shrub climber
bleo (H.B.K.) DC.		PROV: da pa sa	000m: 0-1	RANGE: nic sag?	shrub tree
*colombiana Britt. & Rose		PROV: wp	000m: we	RANGE: col	shrub
*Pseudorhipsalis					
himantoclada (Roland-Gosselin) Britt. & Rose		PROV: ca cc	000m: 0-1	RANGE: wr	epiph root climber
Rhipsalis					
*baccifera (J. Miller) Stearn		PROV: bo ca cc ch da	000m: 0-1	RANGE: afr cag mex sag?	epiph succ
*Selenicereus					
*pteranthus (Link & Otto) Britt. & Rose		PROV: ch	000m: we	RANGE: mex	epiphyte
Weberocereus					
panamensis Britt. & Rose		PROV: ca ch cn	000m: 0-1	RANGE: cr nic	epiph root climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
210 (134) CACTACEAE cont.					
*Werckleocereus *tonduzii Weber		PROV: da	000m: we	RANGE: cr	epiph climber
Wittia *amazonica Schum. panamensis Britt. & Rose		PROV: cn da PROV: ca cc cn cn da pa sa	000m: 0-1 000m: 0-1	RANGE: per RANGE: col cr ven	epiphyte climb shrub
214 (135) THYMELAEACEAE					
Daphnopsis *americana (Mill.) J.R. Johnst. *--subsp. caribaea (Griseb.) Nevl.		PROV: cc he	000m: 0-1	RANGE: ang col cr nic trt ven	tree
Schoenobiblus panamensis Standl. & L.O. Wms.		PROV: bo da	000m: 0-1,1-2	RANGE: end	tree
216 (136) LYTHRACEAE					
Adenaria floribunda H.B.K.		PROV: ca cn da pa	000m: 0-1	RANGE: cag mex sag sao	shrub tree
*Alzatea *verticillata R. & P. *--subsp. amplifolia S.A. Graham		PROV: ch vr PROV: ch vr	000m: 1-2 000m: 1-2	RANGE: bol per RANGE: col cr	tree epiph shrub
Ammannia *auriculata Willd. coccinea Rottb. latifolia L.		PROV: lo PROV: pa PROV: pa	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: wdt RANGE: ang asi cag nag nao oce sag tex RANGE: ang cag nag? sag	herb herb herb
Cuphea calophylla Cham. & Schlecht. carthagenensis (Jacq.) Macbr. *elliptica Koehne *--var. oligostemon Koehne epilobifolia Koehne		PROV: bo ca cc ch cn da pa vr PROV: bo ca cc ch cn he lo pa PROV: ca PROV: pa PROV: bo ca cc ch cn pa vr	000m: 0-1 000m: 0-1,1-2 000m: 0-1 000m: 0-1 000m: 0-1,1-2	RANGE: cag sao RANGE: ang cag nag nao sag RANGE: col mex RANGE: cr mex nic RANGE: cr ven	herb herb herb herb shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
216 (136) LYTHRACEAE cont.					
*hyssopifolia H.B.K.		PROV: bo cc ch da pa vr	000m: 0-1,1-2	RANGE: cag	shrub
infundibulum Koehne		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cr	herb
*serpyllifolia H.B.K.		PROV: ch pa	000m: 0-1	RANGE: sat	shrub
setosa Koehne		PROV: bo ca cc cn da	000m: 0-1	RANGE: bol cag col per	herb
utriculosa Koehne		PROV: ca cc ch cn da he pa vr	000m: 0-1	RANGE: cag mex	herb
Lafoensia					
punicifolia DC.		PROV: ca da he pa	000m: 0-1	RANGE: bol col gua mex ven	tree
*Lagerstroemia					
*indica L.		intr. cult. PROV: pa	000m: 0-1	RANGE: ang asi cag sat	tree
*speciosa (L.) Pers.		intr. cult. PROV: ca ch pa	000m: 0-1	RANGE: afr ang asi cag sat	tree
*tomentosa Presl		intr. cult. PROV: ca	000m: 0-1	RANGE: asi cub	tree
*turbinata Koehne		intr. cult. PROV: ca	000m: 0-1	RANGE: asi	tree
*Lawsonia					
*inermis L.		PROV: cc pa sa	000m: 0-1	RANGE: ang cag sat	shrub
Rotala					
mexicana Cham. & Schlecht.		PROV: ca ch pa	000m: 0-1	RANGE: afr asi cag oce sag	herb
ramosior (L.) Koehne		PROV: bo ca pa	000m: 0-1	RANGE: ang asi cag ecu nag sao	herb

219 (137) LECYTHIDACEAE

Couratari					
panamensis Standl.		PROV: bo ca pa	000m: 0-1	RANGE: cr	tree
*scottmorii Prance		PROV: sa	000m: we	RANGE: end	tree
Couroupita					
cutteri Mort. & Skutch		PROV: bo	000m: 0-1	RANGE: end	tree
darienensis Pitt.		PROV: da	000m: 0-1	RANGE: end	tree
idolica Dwyer		PROV: vr	000m: 0-1	RANGE: end	tree
magnifica Dwyer		PROV: da	000m: 0-1	RANGE: end	tree
nicaraguensis DC.		PROV: wp	000m: 0-1	RANGE: cr nic	tree
odoratissima Seem.		PROV: wp	000m: 0-1	RANGE: end	tree
parviflora Standl.		PROV: bo	000m: 0-1	RANGE: end	tree
Eschweilera					
*antioquensis Dugand & Daniel		PROV: pa	000m: 0-1	RANGE: col	tree
calyculata Pitt.		PROV: bo ca	000m: 0-1	RANGE: cr	tree
garagarae Pitt.		PROV: da	000m: 0-1	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
219 (137) LECYTHIDACEAE cont.					
*hondurensis Standl.		PROV: pa	000m: 0-1	RANGE: hon	tree
panamensis Pitt.		PROV: da pa sa	000m: 0-1	RANGE: end	tree
pittieri R. Knuth		PROV: ch da	000m: 0-1	RANGE: end	tree
*reversa Pitt.		PROV: cn sa	000m: 0-1	RANGE: end	tree
*sessilis A.C. Sm.		PROV: pa	000m: 0-1	RANGE: col	tree
woodsoniana Dwyer		PROV: da	000m: 0-1	RANGE: end	tree
Grias					
*cauliflora L.		PROV: bo ca ch cn da sa	000m: 0-1	RANGE: bel col cr gua hon jam nic	tree
Gustavia					
brachycarpa Pitt.		PROV: ch	000m: 0-1	RANGE: cr	tree
*dubia (Kunth) Berg		PROV: cn pa	000m: 0-1	RANGE: col	tree
*fosteri Mori		PROV: ca	000m: 0-1	RANGE: end	tree
*grandibracteata Croat & Mori		PROV: ca da pa	000m: 0-1	RANGE: col	tree
*monocaulis Mori		PROV: pa	000m: 0-1	RANGE: end	tree
nana Pitt.		PROV: cn da	000m: 0-1	RANGE: col	shrub tree
*--subsp. rhodantha (Standl.) Mori		PROV: da sa	000m: 0-1, 1-2	RANGE: col	tree
superba (H.B.K.) Berg		PROV: ca cc cn da pa vr	000m: 0-1	RANGE: col cr ecu	tree
*verticillata Miers		PROV: da	000m: 0-1	RANGE: col	tree
Lecythis					
ampla Miers		PROV: da sa	000m: 0-1	RANGE: col	tree
elata Dwyer		PROV: da	000m: 0-1	RANGE: end	tree
*mesophylla Mori		PROV: da	000m: 1-2	RANGE: end	tree
tuyrana Pitt.	cult.	PROV: ca da	000m: 0-1	RANGE: end	tree

220 (138) RHIZOPHORACEAE

Cassipourea					
elliptica (Sw.) Poir.		PROV: bo ca cc ch cn da pa sa	000m: 0-1	RANGE: ang cag	shrub tree
Rhizophora					
brevistyla Salv.		PROV: ca pa	000m: 0-1	RANGE: ecu sag?	tree
*harrisonii Leechm.		PROV: ca	000m: 0-1	RANGE: col ecu gui ven	tree
mangle L.		PROV: bo ca ch cn da lo pa sa vr	000m: 0-1	RANGE: afr ang cag? fla sag?	tree
samoensis (Hochr.) Salvoza		PROV: ca	000m: 0-1	RANGE: cag ecu mex nao sag?	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
221 (139) COMBRETACEAE					
Buchenavia capitata (Vahl) Eichl.		PROV: pa vr	000m: 0-1	RANGE: ang bol sag? sao	tree
Bucida buceras L.		PROV: bo ca cn sa	000m: 0-1	RANGE: ang cag? fla gui sag?	tree
Combretum cacoucia Sandw.		PROV: bo ca cn sa	000m: 0-1	RANGE: bel cag? sag? sao	shrub
decandrum Jacq.		PROV: ca ch cn da lo	000m: 0-1	RANGE: cag col mex	climber
fruticosum (Loefl.) Stuntz		PROV: pa ca cc da he lo	000m: 0-1	RANGE: cag mex sag sao	climber
laxum Jacq.		PROV: pa vr			shrub
*--var. epiphyticum (Pitt.) Croat		PROV: ca vr	000m: 0-1	RANGE: end	climber
--var. laxum		PROV: ca da pa	000m: 0-1	RANGE: cag mex sag sao	climber
sambuense Pitt.		PROV: da	000m: 0-1	RANGE: sat	shrub?
spinosum Bonpl.		PROV: ca	000m: 0-1	RANGE: ang cub trt ven	climber
Conocarpus erectus L.					
--var. erectus		PROV: bo ca cc ch cn	000m: 0-1	RANGE: afr nwg?	tree
		da he lo pa sa			
Laguncularia racemosa (L.) Gaertn. f.		PROV: bo ca ch cn da	000m: 0-1	RANGE: afr ang cag? fla gal	tree
		lo pa sa vr		per sag? sao	
*Quisqualis					
*indica L.	cult.	PROV: ca ch	000m: 0-1	RANGE: ang asi oce sat	viny
					shrub
Terminalia					
amazonia (J.F. Gmel.) Exell		PROV: bo ca cn da pa	000m: 0-1	RANGE: cag gui mex per sag?	tree
		sa		sao trt	
*bucoides Standl. & L.O. Wms.		PROV: cn sa	000m: 0-1	RANGE: cr	tree
*catappa L.		PROV: bo ca ch cn da	000m: 0-1	RANGE: cag	tree
		sa vr			
*dichotoma G. Meyer		PROV: ca	000m: 0-1	RANGE: wr	tree
*edulis Blanco	intr. cult.	PROV: ca	000m: 0-1	RANGE: oce	tree
*muelleri Benth.	intr. cult.	PROV: ca	000m: 0-1	RANGE: oce	tree
		PROV: ca	000m: 0-1	RANGE: oce	tree
*myriocarpa Huerck. & Muell. - Arg.		PROV: ca	000m: 0-1	RANGE: col sao ven	tree
*oblonga (R. & P.) Steud.		PROV: bo ca ch cn da	000m: 0-1	RANGE: cr	tree
		lo pa			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
221 (139) COMBRETACEAE cont.					
obovata (R. & P.) Steud.		PROV: da	000m: 0-1	RANGE: per ven	tree
222 (140) MYRTACEAE					
Aulomyrcia					
*tomentosa Almeda		PROV: ch vr	000m: 1-2,2-3,3+	RANGE: end	shrub
zetekiana (Standl.) Amshoff		PROV: ca	000m: 0-1	RANGE: end	shrub
*Callistemon					
*salignus (Sm.) DC.		intr. cult. PROV: ca	000m: 0-1	RANGE: oce	treelet
Calycolpus					
*glaber (Benth.) Berg		PROV: ca pa	000m: 0-1	RANGE: cag	shrub
warszewiczianus Berg		PROV: ca cc he lo pa	000m: 0-1	RANGE: cr	shrub tree
Calyptranthes					
chytraculia Sw.		PROV: bo	000m: 0-1	RANGE: gua jam mex	shrub tree
costaricensis Berg		PROV: wp	000m: we	RANGE: cr	tree
hylobates Standl.		PROV: bo ca da pa sa	000m: 0-1	RANGE: cr	tree
*johnstonii McVaugh		PROV: ca	000m: 0-1	RANGE: end	tree
*pulchella DC.		PROV: cn	000m: 0-1	RANGE: sat	tree
schiedeana Berg		PROV: pa vr	000m: 0-1	RANGE: mex	tree shrub
tumidonodia Schery		PROV: bo cn pa	000m: 0-1	RANGE: end	shrub
*Eucalyptus					
*camaldulensis Dehnh.		intr. cult. PROV: ch vr	000m: 0-1,1-2	RANGE: oce	tree
*cinerea Benth.		intr. cult. PROV: ch	000m: 0-1,1-2	RANGE: oce	tree
*citriodora Hook.		intr. cult. PROV: vr	000m: 0-1	RANGE: oce	tree
*globulus Labill.		intr. cult. PROV: ch vr	000m: 0-1,2-3	RANGE: oce	tree
*robusta Sw.		intr. cult. PROV: vr	000m: 0-1	RANGE: oce	tree
*sideroxylon A. Cunn.		intr. cult. PROV: vr	000m: 0-1	RANGE: oce	tree
Eugenia					
acapulcensis Steud.		PROV: ca cc ch cn da pa sa vr	000m: 0-1	RANGE: cag col?	shrub tree
alfaroana Standl.		PROV: ch	000m: 0-1,1-2	RANGE: sal	shrub
austin-smithii Standl.		PROV: cc cc ch pa	000m: 0-1,1-2,2-3	RANGE: cr	tree
biflora (L.) DC.		PROV: cc ch cn he pa vr	000m: 0-1	RANGE: nwt	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
222 (140) MYRTACEAE cont.					
cartagenensis Berg		PROV: ch	000m: 2-3	RANGE: col	tree
chepensis Standl.		PROV: ca cn lo pa	000m: 0-1	RANGE: nic	shrub
chrysophyllum Poir.		PROV: bo	000m: 0-1	RANGE: gui	shrub
coloradensis Standl.		PROV: ca cn da	000m: 0-1	RANGE: cr	tree
costaricensis Berg		PROV: da vr	000m: 1-2	RANGE: cr	shrub
fragrans (Sw.) Willd.		PROV: ch	000m: 1-2	RANGE: ang cag	tree
*galaplonensis (Griseb.) Urb.		PROV: ca pa	000m: 0-1	RANGE: col gua	treelet
*monticola (Griseb.) McVaugh		PROV: pa	000m: 0-1	RANGE: gui ven	shrub
nesiotica Standl.		PROV: ca	000m: 0-1	RANGE: end	shrub
octopleura Krug & Urb.		PROV: ca	000m: 0-1	RANGE: lag	shrub
oerstedeana Berg		PROV: ca ch cn da pa	000m: 0-1	RANGE: cr mex	tree
oreinoma Berg		PROV: ch	000m: 0-1	RANGE: cr	tree
pittieri Standl.		PROV: pa	000m: 0-1	RANGE: cr	shrub
*principium McVaugh		PROV: ca da	000m: 0-1	RANGE: mex	shrub
salamancana Standl.		PROV: ca	000m: 0-1	RANGE: end	treelet
*--var. hiraefolia McVaugh		PROV: lo pa pa	000m: 0-1	RANGE: cr	shrub
*sysygioides (Miq.) M.R. Henderson		intr. cult.			
tapacumensis Berg		PROV: ca ch pa	000m: 0-1	RANGE: owt	tree
		PROV: ca pa	000m: 0-1	RANGE: gui lag? per sag?	shrub
uniflora L.	cult.	PROV: ca	000m: 0-1	RANGE: nwt	tree
*valerii Standl.		PROV: ch	000m: 1-2	RANGE: cr	shrub
*venezuelensis Berg		PROV: ca cc da pa sa	000m: 0-1	RANGE: cag col mex	treelet
					tree
*Marlierea					
*gouldingiana (Griseb.) Krug & Urb.		PROV: pa	000m: 0-1	RANGE: ven	shrub
Myrcia					
costaricensis Berg		PROV: bo cc ch pa vr	000m: 0-1,1-2	RANGE: cr	shrub
coumeta (Aubl.) DC.		PROV: bo	000m: 0-1	RANGE: cr gui	tree
*fallax (Rich.) DC.		PROV: ca ch cn vr	000m: 0-1,2-3	RANGE: ang sat	shrub
*fosteri Croat		PROV: ca da pa	000m: 0-1	RANGE: end	treelet
gatunensis Standl.		PROV: bo ca ch cn da	000m: 0-1,1-2	RANGE: end	tree
		pa			shrub
*mollis (H.B.K.) DC.		PROV: da	000m: 1-2	RANGE: col cr per	treelet
*splendens (Sw.) DC.		PROV: cc ch cn da he	000m: 0-1,1-2	RANGE: ang mex	shrub
		lo pa			treelet
Myrciaria					
floribunda (Willd.) Berg		PROV: ca cc ch da lo	000m: 0-1	RANGE: ang cag gui mex sao	shrub
		pa			tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
222 (140) MYRTACEAE cont.					
<i>Vismeaefolia</i> (Benth.) Berg		intr. cult. PROV: ca	000m: 0-1	RANGE: gui	shrub tree
<i>Psidium</i>					
* <i>angiohondurensis</i> (Lund.) McVaugh		PROV: ca cn	000m: 0-1	RANGE: bel gua	tree
<i>friedrichsthalianum</i> (Berg) Nied.		PROV: bo ca ch pa	000m: 0-1	RANGE: cag mex	shrub tree
<i>guajava</i> L.		cult. PROV: bo ca cc ch da lo pa sa vr	000m: 0-1	RANGE: nwt	shrub tree
<i>guineense</i> Sw.		cult. PROV: ca cc ch	000m: 0-1,1-2	RANGE: nwt	shrub
<i>salutare</i> (H.B.K.) Berg		PROV: ca cc ch pa	000m: 0-1	RANGE: cag? hon sag? sai	subshrub
<i>sartorianum</i> (Berg) Nied.		PROV: da pa	000m: 0-1	RANGE: cag cub mex	shrub tree
<i>Syzygium</i>					
* <i>cumini</i> (L.) Skeels		intr. cult. PROV: ca	000m: 0-1	RANGE: asi cag	treelet
<i>Jambos</i> (L.) Alston		intr. cult. nat. PROV: bo ca ch cn pa	000m: 0-1,1-2,2-3	RANGE: asi	tree
<i>malaccense</i> (L.) Merr. & Perry		intr. cult. PROV: da vr	000m: 0-1	RANGE: asi	tree
<i>samaragnense</i> (Blume) Merr. & Perry		intr. cult. PROV: ca pa	000m: 0-1	RANGE: asi wdt	tree
<i>Ugni</i>					
* <i>montana</i> (Benth.) Berg		PROV: ch	000m: 3+	RANGE: mex	shrub
<i>warscewiczii</i> Berg		PROV: ch	000m: 2-3,3+	RANGE: end	shrub
223 (141) MELASTOMATACEAE					
<i>Aciotis</i>					
<i>levyana</i> Cogn.		PROV: bo ca cc cn pa sa vr	000m: 0-1	RANGE: col gua	herb
<i>purpurascens</i> (Aubl.) Triana		PROV: ca	000m: 0-1	RANGE: sao sat trt	herb
<i>rostellata</i> (Naud.) Triana		PROV: bo cc cn da sa	000m: 0-1	RANGE: cag mex	herb
<i>Acisanthera</i>					
<i>limnobios</i> (DC.) Triana		PROV: cc	000m: 0-1	RANGE: col cub gua gui hon	herb
<i>quadrata</i> Pers.		PROV: cc ch pa vr	000m: 0-1	RANGE: sao ven cag col gag mex ven	herb
<i>uniflora</i> (Vahl) Gleason		PROV: vr	000m: 0-1	RANGE: cr sag	herb

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
Adelobotrys					
adscendens (Sw.) Triana		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: bel cag cr gua gui hon jam mex nic per sat	climber
*jefensis Almeda		PROV: pa	000m: 0-1	RANGE: end	climber
*panamensis Almeda		PROV: cc	000m: 0-1	RANGE: end	tree
Arthrostema					
alatum Triana		PROV: ca pa	000m: 0-1	RANGE: cr mex sal ven	herb
*ciliatum R. & P.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: bol cag col ecu mex per trt ven	herb
Axinaea					
costaricensis Cogn.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	tree
Bellucia					
*axinantha Triana		PROV: ca ch da	000m: 0-1	RANGE: cag mex per sat	tree
*grossularioides (L.) Triana		PROV: bo ca da sa	000m: 0-1	RANGE: cag mex per sao	treelet
Blakea					
brunnea Woods. & Schery		PROV: ch	000m: 1-2,2-3	RANGE: end	tree
calycosa Gleason		PROV: cc	000m: 0-1	RANGE: cr	epiph
*crassifolia Almeda		PROV: cc	000m: 0-1	RANGE: cr	shrub
crinita Gleason		PROV: cc	000m: 1-2	RANGE: end	epiph
*elliptica (Gleason) Almeda		PROV: bo ch	000m: 1-2,2-3	RANGE: end	shrub
foliacea Gleason		PROV: bo cc sa	000m: 0-1	RANGE: cr	epiph
gracilis Hemsl.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	shrub
*micrantha Almeda		PROV: vr	000m: 1-2	RANGE: end	epiph
parvifolia Gleason		PROV: cc	000m: 1-2	RANGE: end	shrub
pauciflora Gleason		PROV: ch pa sa	000m: 1-2	RANGE: cr	tree
*tuberculata J.D. Sm.		PROV: cc ch cn pa vr	000m: 0-1,1-2	RANGE: cr	tree
*wilburiana Almeda		PROV: cc sa	000m: 0-1	RANGE: end	shrub
woodsonii Woods. & Seib.		PROV: ch pa	000m: 1-2,2-3,3+	RANGE: cr	epiph
Centradenia					
inaequilateralis (Cham. & Schlecht.) G. Don		PROV: bo cc ch	000m: 0-1,1-2	RANGE: cag mex	herb
*paradoxa (Kranzl.) Almeda		PROV: cc ch da	000m: 0-1	RANGE: col cr	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
Centronia					
grandiflora Standl.		PROV: bo ch	000m: 1-2,2-3	RANGE: end	tree
*phlomoides Triana		PROV: vr	000m: 0-1	RANGE: cr	tree
Clidemia					
*bicolleyana Cogn.		PROV: da	000m: we	RANGE: cr	shrub
capitellata (Bonpl.) D. Don		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: ang cag col mex per	shrub
*--var. dependens (D. Don) Macbr.		PROV: ca cc	000m: 0-1	RANGE: bol cag cub mex per sag sao	shrub
*--var. neglecta (D. Don) L.O. Wms.					
collina Gleason		PROV: bo ca cc pa	000m: 0-1	RANGE: bel cag cub sag sao	shrub
*costaricensis Gleason		PROV: bo ca cc	000m: 0-1	RANGE: end	shrub
*crenulata Gleason		PROV: ch	000m: 0-1	RANGE: cr	shrub
		PROV: bo cc ch da pa	000m: 0-1	RANGE: col cr	shrub
sa					
densiflora (Standl.) Gleason		PROV: cc da sa	000m: 0-1	RANGE: cag col ecu	shrub
dentata D. Don		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: bol cag mex per sao	shrub
*discolor (Triana) Cogn.		PROV: ca cc da pa sa vr	000m: 0-1	RANGE: col cr ecu per	shrub
epiphytica (Triana) Cogn.					
--var. epiphytica		PROV: pa sa	000m: 0-1	RANGE: bol cag col per	epiph shrub
*--var. trichocalyx (Blake) Wurdack					
		PROV: sa	000m: 0-1	RANGE: cag col ecu per	epiph shrub
*fraterna Gleason		PROV: ch	000m: we	RANGE: cr	shrub
gracilis Pitt.		PROV: bo ca cc cn da sa	000m: 0-1	RANGE: col	shrub
hirta (L.) D. Don		PROV: bo ca pa	000m: 0-1	RANGE: ang bol cag mex per sag sao	shrub
*monantha L.O. Wms.		PROV: pa	000m: 0-1	RANGE: cr hon mex nic ven	shrub
novemnervia (DC.) Triana		PROV: pa	000m: 0-1	RANGE: cag sag	shrub
oblonga Gleason		PROV: sa	000m: 0-1	RANGE: end	shrub
*octona (Bonpl.) D. Don		PROV: bo ca ch cn da he lo pa sa vr	000m: 0-1	RANGE: cag cub jam mex per sag sao	shrub
ombrophila Gleason		PROV: bo cc ch da pa sa vr	000m: 0-1,1-2	RANGE: cr nic	shrub
*petiolaris Triana		PROV: bo cn	000m: 0-1	RANGE: cag mex	shrub
pittieri Gleason		PROV: ch	000m: 1-2	RANGE: end	shrub
*pustulata DC.		PROV: ca cc he pa	000m: 0-1,1-2	RANGE: col cr nic trt	shrub
*radicans Cogn.		PROV: cc pa	000m: 0-1,1-2	RANGE: cr ecu nic per	shrub
reitziana Gleason		PROV: bo da	000m: 0-1,1-2	RANGE: cr nic	shrub
*septuplinervia Cogn.		PROV: bo ca cn da pa pa sa vr	000m: 0-1	RANGE: bel cag col ecu jam per sag sao	shrub
*sericea D. Don		PROV: ca cc ch pa vr	000m: 0-1	RANGE: bol cag col mex sao trt	shrub

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
*sessiliflora (Naud.) Cogn.		PROV: da	000m: 1-2	RANGE: col cr ecu per	shrub
setosa (Triana) Gleason		PROV: cc	000m: 0-1	RANGE: cag cr mex	shrub
strigillosa (Sw.) DC.		PROV: pa	000m: 0-1	RANGE: ang bel cag gua per	shrub
taurina Gleason		PROV: bo	000m: 0-1	RANGE: end sag	shrub
*tetrapetala Almeda		PROV: bo ch	000m: 1-2	RANGE: end	shrub
*trichosantha Almeda		PROV: cc pa sa vr	000m: 0-1,1-2	RANGE: end	shrub
*urceolata DC.		PROV: pa	000m: 0-1	RANGE: bel hon sao ven	shrub
*utleyana Almeda		PROV: ch	000m: 0-1	RANGE: cr	shrub
Conostegia					
*attenuata Triana		PROV: cc vr	000m: 0-1	RANGE: col cr ecu	shrub
bracteata Triana		PROV: bo ca ch cn da	000m: 0-1	RANGE: cr nic	shrub
chiriquensis Woods. & Schery		PROV: ch	000m: 1-2	RANGE: end	tree
*cinnamonea (Beurl.) Wurdack		PROV: ca cc cn da pa	000m: 0-1	RANGE: col nic	shrub
hirsuta Gleason		PROV: bo	000m: 0-1	RANGE: end	shrub
*icosandra (Sw.) Urb.		PROV: ch	000m: 0-1,2-3	RANGE: bel col cr hon mex	tree
macrantha Triana		PROV: ch	000m: 1-2	RANGE: cr nic	tree
micrantha Standl.		PROV: bo cc	000m: 0-1	RANGE: cr nic	tree
montana (Sw.) D. Don		PROV: bo ch cn da pa	000m: 1-2,2-3	RANGE: ang cag col cr ven	tree
*montealegreana Cogn.		PROV: cc	000m: 0-1	RANGE: cr	shrub
oerstediana Triana		PROV: ch	000m: 1-2	RANGE: cr nic	tree
polyandra Benth.		PROV: bo cn	000m: 0-1	RANGE: col	shrub
*rufescens Naud.		PROV: bo cc cn da pa	000m: 0-1	RANGE: ang col cr nic	tree
setosa Triana		PROV: cc ch cn da pa	000m: 0-1,1-2	RANGE: cag col mex ven	shrub
speciosa Naud.		PROV: bo ca cc cn cn	000m: 0-1	RANGE: cag col mex ven	shrub
subcrustulata (Beurl.) Triana		PROV: da he pa sa vr	000m: 0-1	RANGE: col cr nic	shrub
*tenuifolia J.D. Sm.		PROV: pa vr	000m: 0-1,1-2	RANGE: cr nic	tree
xalapensis (Bonpl.) D. Don		PROV: cc da	000m: 0-1,1-2	RANGE: cr	shrub
		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cag col cub mex	tree
		da pa sa vr			tree
*Graffenrieda					
*bella Almeda		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: end	tree
*galeottii (Naud.) L.O. Wms.		PROV: pa vr	000m: 0-1,1-2	RANGE: col ecu gua mex per	shrub
*gracilis (Triana) L.O. Wms.		PROV: vr	000m: 0-1	RANGE: bol col ecu per ven	tree
*micrantha (Gleason) L.O. Wms.		PROV: bo	000m: 0-1,1-2	RANGE: end	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
Henriettea					
*cuneata (Standl.) L.O. Wms.		PROV: ca cc pa sa	000m: 0-1	RANGE: bel cr gua	shrub
*fascicularis (Sw.) Gomez		PROV: ca da pa	000m: 0-1	RANGE: ang cag	tree
*seemannii (Naud.) L.O. Wms.		PROV: ca	000m: 0-1	RANGE: col cr nic	tree
succosa (Aubl.) DC.		PROV: bo ca cn pa vr	000m: 0-1	RANGE: cag gui mex sao trt	tree
*tuberculosa (J.D. Sm.) L.O. Wms.		PROV: bo cn da sa vr	000m: 0-1	RANGE: cr nic	shrub tree
Heterocentron					
glandulosum Schenck		PROV: ch	000m: 1-2	RANGE: cr gua sal	subshrub herb
Leandra					
*chaetodon (DC.) Cogn.		PROV: cc da	000m: 0-1	RANGE: col ecu per sao ven	shrub
consimilis Gleason		PROV: ca cc cn pa sa	000m: 0-1	RANGE: cr ven	tree
dichotoma (D. Don) Cogn.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: cag mex sag	shrub
		pa sa vr			
*granatensis Gleason		PROV: bo ca cc ch cn	000m: 0-1	RANGE: col cr nic ven	shrub
		da pa sa			
*grandifolia Cogn.		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: cr nic	shrub
		vr			
*lasiopetala Cogn.		PROV: vr	000m: 0-1	RANGE: cr	shrub
*longicoma Cogn.		PROV: da	000m: 0-1	RANGE: cag col ecu per sao	shrub
mexicana (Naud.) Cogn.		PROV: bo ca ch pa sa	000m: 0-1	RANGE: cag col mex	shrub
subseriata (Naud.) Cogn.		PROV: ch	000m: 1-2,2-3	RANGE: cag col ecu mex ven	shrub tree
subulata Gleason		PROV: bo cc ch da pa	000m: 1-2,2-3	RANGE: cr	epiph shrub
Loreya					
brunnescens (Standl.) Gleason		PROV: bo	000m: 0-1	RANGE: cr nic	tree
Meriania					
macrophylla (Benth.) Triana		PROV: ch	000m: 1-2	RANGE: cr gua mex ven	tree
panamensis Woods. & Schery		PROV: ch	000m: 2-3,3+	RANGE: end	tree
Miconia					
aeruginosa Naud.		PROV: ch cn	000m: 0-1,1-2	RANGE: cag col mex ven	shrub tree
*affinis DC.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: cag col mex per sag	tree
		pa sa		sao trt	
albicans (Sw.) Triana		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: ang bol cag mex sao	shrub tree
*appendiculata Triana		PROV: cn pa sa	000m: 0-1	RANGE: cr ecu nic per ven	tree
*arboricola Almeda		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	climber
argentea (Sw.) DC.		PROV: ca cc ch cn da	000m: 0-1,1-2	RANGE: cag mex	shrub
		lo pa sa vr			tree
*argyrophylla DC.		PROV: da	000m: 1-2	RANGE: per	shrub

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA						HABIT
223 (141) MELASTOMATACEAE cont.										
*astroplocama J.D. Sm.		PROV: vr	000m: 0-1	RANGE: cr	ecu	per				shrub
barbinervis (Benth.) Triana		PROV: bo cc da	000m: 0-1	RANGE: cag	nic	per	sao			tree
*benthamiana Triana		PROV: vr	000m: 1-2	RANGE: col	cr	ecu	per			shrub
*biperulifera Cogn.		PROV: bo	000m: 2-3	RANGE: cr						shrub
*brenesii Standl.		PROV: ch	000m: 0-1	RANGE: cr	nic					shrub
calvescens DC.		PROV: da	000m: 0-1	RANGE: bel	bol	cag	mex	sag		tree
caudata (Bonpl.) DC.		PROV: cc ch	000m: 1-2	RANGE: col	gua	mex				shrub
*centrodesma Naud.		PROV: ca cc cn da pa	000m: 0-1	RANGE: cag	per	sag				tree
		sa vr								shrub
*centronioides Gleason		PROV: cc sa	000m: 0-1	RANGE: col	ecu					tree
*centrosperma Almeda		PROV: pa	000m: 0-1	RANGE: end						treelet
*chionophila Naud.		PROV: bo	000m: 3+	RANGE: cr	ecu	ven				subshrub
										herb
*chiriquiensis Almeda		PROV: bo ch	000m: 1-2,2-3	RANGE: cr						shrub
*chrysophylla (Rich.) Urb.		PROV: da	000m: 0-1,1-2	RANGE: bel	gui	mex	nic	sao		tree
				ven						treelet
ciliata (Rich.) DC.		PROV: ca da pa vr	000m: 0-1	RANGE: ang	cag	mex	per	sag		shrub
				sao						
*cionotricha Uribe		PROV: cn da	000m: 0-1	RANGE: col	ven					shrub
*coloradensis Almeda		PROV: bo ch	000m: 1-2	RANGE: end						herb
*concinna Almeda		PROV: bo ch	000m: 1-2,2-3	RANGE: end						epiph
										shrub
costaricensis Cogn.		PROV: bo ch da	000m: 1-2,2-3	RANGE: cr	mex					shrub
*cremadena Gleason		PROV: ch	000m: 2-3	RANGE: cr						tree
*curvipetiolata Gleason		PROV: pa	000m: 0-1	RANGE: cc						tree
cuspidatissima Pitt.		PROV: ch	000m: 1-2,2-3	RANGE: end						tree
*desmantha Benth.		PROV: ch da	000m: 0-1	RANGE: cr	gua	hon	mex			tree
*dodecandra (Desr.) Cogn.		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: ang	cag	mex	per	sag		tree
*dolichorrhyncha Naud.		PROV: ch da	000m: 0-1	RANGE: col	cr	per				shrub
										tree
*donaeana Naud.		PROV: ca cc ch cn	000m: 0-1,2-3	RANGE: per						shrub
										tree
*donnell-smithii Cogn.		PROV: da	000m: 0-1	RANGE: mex						treelet
*dorsiloba Gleason		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: col	cr	ecu				shrub
*elata (Sw.) DC.		PROV: ca pa	000m: 0-1	RANGE: ang	mex	ven				tree
*flavida Cogn.		PROV: ch	000m: 0-1	RANGE: cr						shrub?
*gentryi Wurdack		PROV: da	000m: 1-2	RANGE: col						tree
goniostigma Triana		PROV: da pa	000m: 0-1	RANGE: col	ecu					shrub
gracilis Triana		PROV: bo cc cn da pa	000m: 0-1	RANGE: col	cr	nic				shrub
		sa								
*grandidentata Almeda		PROV: vr	000m: 1-2	RANGE: col	cr					shrub
*gratissima Benth.		PROV: pa	000m: 0-1	RANGE: sao						shrub
*holosericea (L.) DC.		PROV: ca ch he	000m: 0-1	RANGE: bel	bol	cag	mex	sag		tree
				sao	trt					shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
hondurensis J.D. Sm.		PROV: ca da pa	000m: 0-1	RANGE: bel cag	tree
ibaguensis (Bonpl.) Triana		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: bol cag cub mex per	shrub
impetiolearis (Sw.) D. Don				sag sao	tree
--var. impetiolearis		PROV: bo ca cc ch da	000m: 0-1	RANGE: ang cag col mex per	shrub
--var. pandurifolia Naud.		pa vr			tree
insularis Gleason		PROV: bo ca da pa	000m: 0-1	RANGE: cag col	shrub
*intricata Triana		PROV: cc pa	000m: 0-1	RANGE: cag ecu	tree
lacera (Bonpl.) Naud.		PROV: cc vr	000m: 0-1	RANGE: col	shrub
lateriflora Cogn.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang cag mex per sag	shrub
*lonchophylla Naud.		da he pa sa vr		trt	
*longifolia (Aubl.) DC.		PROV: bo ca cc ch da	000m: 0-1	RANGE: bel cag col gui sao	shrub
*loreyoides Triana		pa		trt	
melanotricha (Triana) Gleason		PROV: ca cn da pa	000m: 0-1	RANGE: col cr ven	shrub
--var. melanotricha		PROV: da	000m: 0-1	RANGE: gui	shrub
--var. panamensis Gleason		PROV: cc ch vr	000m: 0-1,1-2	RANGE: col cr ecu per	shrub
*minutiflora (Bonpl.) DC.		PROV: ch	000m: 1-2,2-3	RANGE: col cr	shrub
*multiplinervia Cogn.		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
*multispicata Naud.		PROV: ca cc ch cn he	000m: 0-1	RANGE: cag cub mex sag	shrub
nervosa (Sm.) Triana		pa vr			tree
*nutans J.D. Sm.		PROV: ch da vr	000m: 1-2	RANGE: col cr	shrub
oiochrophylla J.D. Sm.		PROV: sa	000m: 0-1	RANGE: cr ven	shrub
panamensis Gleason		PROV: bo ca ch cn da	000m: 0-1	RANGE: cag mex per sag trt	shrub
*phaeophylla Triana		pa vr			
*pileata DC.		PROV: ch	000m: 1-2	RANGE: col cr ecu nic	shrub
*pinetorum Naud.		PROV: cc cn da pa sa	000m: 0-1	RANGE: bel cag col mex	shrub
pittieri Cogn.		PROV: bo	000m: 0-1	RANGE: end	shrub
*poeppigii Triana		PROV: pa	000m: 0-1	RANGE: col gui per sao ven	shrub
prasina (Sw.) DC.		PROV: cn pa	000m: 0-1,1-2	RANGE: per sag	tree
*punctata (Desv.) D. Don		PROV: pa	000m: 0-1,1-2	RANGE: mex	shrub
*reducens Triana		PROV: ch	000m: 1-2	RANGE: cr	shrub?
*robinsoniana Cogn.		PROV: ca cc da sa	000m: 0-1,1-2	RANGE: bol col gua gui hon	tree
rubiginosa (Bonpl.) DC.		PROV: bo ca cc ch cn	000m: 0-1	per sao ven	
rufostellulata Pitt.		da he pa vr		RANGE: ang bel bol cag mex	shrub
*santaritensis Almeida		PROV: pa	000m: 0-1	per sag sao	tree
				RANGE: cag gag mex per sag	tree
				sao	
		PROV: cc da pa	000m: 0-1,1-2	RANGE: bel col nic	shrub
		PROV: da	000m: 0-1	RANGE: ecu gal	treelet
		PROV: cc pa	000m: 0-1	RANGE: ang bol cr pr sag	shrub
		PROV: ca da pa	000m: 0-1	sao	tree
		PROV: cn pa	000m: 0-1	RANGE: end	shrub
				RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
<i>schlimii</i> Triana		PROV: bo cc ch da	000m: 0-1,1-2	RANGE: bel cag col	tree
* <i>serrulata</i> (DC.) Naud.		PROV: bo ca cn da pa	000m: 0-1	RANGE: ang cag mex per sag	tree
		sa			
<i>shattuckii</i> Standl.		PROV: ca cc da pa	000m: 0-1	RANGE: col nic	shrub
* <i>simplex</i> Triana		PROV: bo ca cc cn pa	000m: 0-1	RANGE: col cr	tree
		sa			shrub
* <i>smaragdina</i> Naud.		PROV: bo cc cn pa	000m: 0-1	RANGE: cr	treelet
<i>stenostachya</i> DC.		PROV: ca	000m: 0-1	RANGE: bol cag mex sag sao	shrub
				trt	tree
* <i>ternatifolia</i> Triana		PROV: da	000m: 0-1	RANGE: ecu per sao	tree
<i>theaezans</i> (Bonpl.) Cogn.		PROV: bo cc ch pa sa	000m: 0-1,1-2	RANGE: ang bol cag jam per	shrub
				sag sao	tree
* <i>tomentosa</i> DC.		PROV: wp	000m: 0-1	RANGE: bel bol cag cub per	tree
				sag trt	shrub
* <i>tonduzii</i> Cogn.		PROV: ch	000m: 1-2	RANGE: cr	shrub
* <i>trinervia</i> Loud.		PROV: pa	000m: 0-1	RANGE: bol cag col ecu jam	tree
				mex per ven	
<i>triplinervis</i> R. & P.		PROV: bo cn	000m: 0-1	RANGE: bol cag jam mex sao	shrub
					tree
* <i>valeriana</i> (Standl.) Wurdack		PROV: da	000m: we	RANGE: cr	shrub
Monochaetum					
* <i>compactum</i> Almeda		PROV: ch	000m: 1-2,2-3,3+	RANGE: end	shrub
* <i>cordatum</i> Almeda		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
* <i>exaltatum</i> Almeda		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
* <i>floribundum</i> (Schlecht.) Naud.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cag cr gua hon mex	shrub
				nic sal	
* <i>neglectum</i> Almeda		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
* <i>trichophyllum</i> Almeda		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
* <i>vulcanicum</i> Cogn.		PROV: ch	000m: 1-2	RANGE: cr	shrub
Monolena					
* <i>primulaeflora</i> Hook. f.		PROV: cc da	000m: 0-1,1-2	RANGE: col ecu per sao	herb
Mouriri					
* <i>coibensis</i> Morley		PROV: cn vr	000m: 0-1	RANGE: end	tree
<i>completens</i> (Pitt.) Burret		PROV: da sa	000m: 0-1	RANGE: col	tree
* <i>cyphocarpa</i> Standl.		PROV: pa	000m: 0-1	RANGE: gua nic	tree
* <i>exilis</i> Gleason		PROV: cn	000m: 0-1	RANGE: bel gua	treelet
* <i>myrtilloides</i> (Sw.) Poir.					
*--subsp. <i>parvifolia</i> (Benth.) Morley		PROV: bo ca cc ch da	000m: 0-1	RANGE: bol cag col ecu mex	shrub
		lo pa		per sag? sao ven	
Nepsera					
<i>aquatica</i> (Aubl.) Naud.		PROV: bo cc vr	000m: 0-1	RANGE: bel cag col gui his	shrub
				jam lag pr sao	subshrub
					herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
Ossaea					
*bracteata Triana		PROV: cc vr	000m: 0-1,1-2	RANGE: col cr	shrub
*brenesii Standl.		PROV: bo cc cn da vr	000m: 0-1,1-2	RANGE: cr nic	tree
*laxivenula Wurdack		PROV: cc	000m: 0-1	RANGE: col cr ecu	shrub
*macrophylla (Benth.) Cogn.		PROV: da sa vr	000m: 0-1	RANGE: col cr ecu	shrub
micrantha Cogn.		PROV: bo cc ch da vr	000m: 1-2	RANGE: cag col his jam mex	shrub
				per ven	tree
*quinquenervia (Mill.) Cogn.		PROV: bo ca ch cn da	000m: 0-1	RANGE: col cr ecu nic	shrub
		lo pa sa vr			
*robusta (Triana) Cogn.		PROV: cc ch da sa vr	000m: 0-1	RANGE: col cr ecu per	shrub
*spicata Gleason		PROV: cc cn pa sa vr	000m: 0-1,1-2	RANGE: col	shrub
*Pilocosta					
*nana (Standl.) Almeda & Whiffin		PROV: bo cc sa vr	000m: 0-1	RANGE: col cr	herb
*oerstedii (Triana) Almeda & Whiffin					
*--subsp. campanensis Almeda & Whiffin		PROV: cc he pa	000m: 0-1	RANGE: end	subshrub
*--subsp. oerstedii		PROV: bo ch	000m: 1-2	RANGE: cr	subshrub
Pterolepis					
pumila (Bonpl.) Cogn.		PROV: cc pa	000m: 0-1	RANGE: cag col gui mex per	herb
				ven	
Rhynchanthera					
*grandiflora (Aubl.) DC.		PROV: cc ch he pa vr	000m: 0-1	RANGE: col cr mex sao ven	shrub
paludicola (J.D. Sm.) Gleason		PROV: ch	000m: 1-2	RANGE: cr	shrub
Schwackaea					
cupheoides Durand		PROV: ca cc ch cn he	000m: 0-1	RANGE: cag col mex	herb
		lo pa sa vr			
Tibouchina					
*aspera Aubl.		PROV: pa	000m: 0-1	RANGE: bel gui hon nic per	shrub
				sao ven	
bipenicillata (Naud.) Cogn.		PROV: ch he vr	000m: 0-1	RANGE: col cr ven	herb
*inopinata Wurdack		PROV: ch	000m: 1-2	RANGE: cr	shrub
*lepidota (Bonpl.) Baill.		PROV: vr	000m: 0-1	RANGE: col ecu per ven	shrub
					tree
longifolia Cogn.		PROV: bo ca cc ch da	000m: 0-1	RANGE: bol cag cub his mex	shrub
		he lo pa		sag sao	herb
Tococa					
*acuminata Benth.		PROV: ca cc cn pa	000m: 0-1	RANGE: col	treelet
guianensis Aubl.		PROV: bo cc pa sa vr	000m: 0-1	RANGE: bel bol cag col gui	shrub
				per ven	
*platyphylla Benth.		PROV: bo ch vr	000m: 0-1	RANGE: cag col ecu ven	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
223 (141) MELASTOMATACEAE cont.					
Topobea					
*albertiae Wurdack		PROV: cc pa sa	000m: 0-1,1-2	RANGE: col	epiph
*calophylla Almeda		PROV: vr	000m: 0-1,1-2	RANGE: end	shrub
cooperi Gleason		PROV: bo cc	000m: 0-1	RANGE: end	epiph
cordata Gleason		PROV: cc vr	000m: 1-2	RANGE: end	shrub
*dodsonorum Wurdack		PROV: bo	000m: 0-1	RANGE: ecu	epiph
*durandiana Cogn.		PROV: cc ch cn da	000m: 0-1,1-2	RANGE: cr	shrub
membranacea Wurdack		PROV: da	000m: 0-1	RANGE: col	epiph
*pittieri Cogn.		PROV: bo ch vr	000m: 0-1,1-2	RANGE: col cr ecu	climber
pluvialis Standl.		PROV: da	000m: 1-2	RANGE: end	tree
praecox Gleason		PROV: ca cc ch cn da	000m: 0-1	RANGE: cr	climber
regeliana Cogn.		he pa sa			shrub
*superba Naud.		PROV: ca	000m: 0-1	RANGE: end	tree
		PROV: vr	000m: 0-1	RANGE: col	epiph
urophylla Standl.		PROV: da pa sa	000m: 0-1,1-2	RANGE: nic	shrub?
Triolena					tree
*barbeyana Cogn.		PROV: da	000m: 0-1	RANGE: per	epiphyte
*dressleri Wurdack		PROV: vr	000m: 0-1	RANGE: end	herb
hirsuta (Benth.) Triana		PROV: bo ca cc da pa	000m: 0-1	RANGE: col cr nic	subshrub
		sa			
*obliqua (Triana) Wurdack		PROV: cc pa	000m: 0-1	RANGE: col	herb
*pileoides (Triana) Wurdack					
*--subsp. panamensis Wurdack		PROV: vr	000m: 0-1	RANGE: end	herb
*spicata (Triana) L. Wms.		PROV: bo cc cc cn pa	000m: 0-1	RANGE: col	shrub
		sa			

224 (142) ONAGRACEAE

Fuchsia					
*hybrida Sieb. & Voss	intr. cult.	PROV: ch	000m: 2-3	RANGE: cr gua mex	shrub
*jimenezii Breedlove et al.		PROV: bo ch	000m: 1-2	RANGE: cr	shrub
*magellanica Lam.	intr. cult.				
		PROV: ch	000m: 1-2	RANGE: mex	
*microphylla H.B.K.					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
224 (142) ONAGRACEAE cont.					
*--subsp. hemsleyana (Woods. & Seib.) Breedlove		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	shrub
paniculata Lindl.		PROV: bo ch pa	000m: 0-1,1-2,2-3	RANGE: cag cr gua hon mex nic	shrub tree
Lopezia					
*miniata DC.					
*--subsp. paniculata (Seem.) Plitmann et al.		PROV: ch	000m: 1-2,2-3	RANGE: cr sal	herb
Ludwigia					
affinis (DC.) Hara		PROV: bo ca cc da	000m: 0-1	RANGE: ang bol cag? gua per sag? sao	herb shrub
decurrens Walt.		PROV: bo ca cc ch	000m: 0-1	RANGE: ang bol cag col cr ecu gua gui hon mex nao nic per sag sal sao ven	herb
erecta (L.) Hara		PROV: ca ch cn da he lo pa	000m: 0-1	RANGE: ang bel cag col cr ecu fla gua gui hon mex nic owg per sal sao sat trt ven	herb
helminthorrhiza Mart.		PROV: ca da he pa	000m: 0-1	RANGE: cag mex per sag sao	herb
*hyssopifolia (G. Don) Exell		PROV: ca ch pa	000m: 0-1	RANGE: ang cag? col cr mex owg per sag? sao	herb
inclinata (L. f) Raven		PROV: ca pa vr	000m: 0-1	RANGE: cag col cr cub gua gui hon jam mex nic sal sao sat ven	herb
latifolia (Benth.) Hara		PROV: bo da	000m: 0-1	RANGE: col cr ecu gui nic per sao sat trt ven	herb
leptocarpa (Nutt.) Hara		PROV: bo ca cc ch	000m: 0-1	RANGE: ang cag mex nag? per sag? sao	herb shrub
*nervosa (Poir.) Hara		PROV: ch vr	000m: 0-1,1-2	RANGE: bel cag col gui hon nic per sao sat? ven	shrub tree
*octovalvis (Jacq.) Raven		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: ang cag mex nag? owg per sag? sao ven	herb shrub
palustris (L.) Ell.					
--var. nana Fern. & Griscom		PROV: wp	000m: we	RANGE: ang col gua mex nag?	herb
*peruviana (L.) Hara		PROV: bo cc ch pa vr	000m: 0-1,1-2	RANGE: bel bol cag col cr cub ecu fla gua his jam mex mex nic per pr sag sal sao trt ven	herb shrub
*rigida (Miq.) Sandw.		PROV: ca cc ch vr	000m: 0-1	RANGE: bel bol cag col cr gua gui hon mex nic sat ven	herb shrub
sedoides (H. & B.) Hara		PROV: ca cc	000m: 0-1	RANGE: bol col cub gua gui hon jam mex nic sal sao ven	herb
*torulosa (Arn.) Hara		PROV: ca	000m: 0-1	RANGE: bel bol cub gui sao	herb
verticillata Munz		PROV: pa	000m: 0-1	RANGE: cag mex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
224 (142) ONAGRACEAE cont.					
Oenothera					
*elata H.B.K.		PROV: ch	000m: 1-2,2-3	RANGE: cag	herb
epilobiifolia H.B.K.		PROV: wp	000m: ve	RANGE: col cr ecu gua mex	herb
pubescens Spr.		PROV: wp	000m: ve	per ven RANGE: col ecu gua mex nas per	herb
225 (143) HALORAGACEAE					
Gunnera					
insignis (Oerst.) A. DC.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	herb
*talamancana Weber & Mord		PROV: ch	000m: 3+	RANGE: cr	herb
227 (144) ARALIACEAE					
Dendropanax					
alberti-smithii Nevl.		PROV: bo cc cn pa	000m: 0-1	RANGE: col cr	tree
arboreus (L.) Dec. & Planch.		PROV: bo ca cc ch da he lo pa vr	000m: 0-1,1-2	RANGE: cub lag? mex pr sag	shrub tree
darienensis Seem.		PROV: da	000m: 0-1	RANGE: end	tree
gonatopodus (J.D. Sm.) A.C. Sm.		PROV: bo ch da	000m: 1-2	RANGE: cr	tree
*leptopodus (J.D. Sm.) A.C. Sm.		PROV: bo cc ch	000m: 0-1,1-2	RANGE: hon	tree
praestans Standl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
querceti J.D. Sm.		PROV: ch da pa	000m: 0-1,1-2	RANGE: cr	shrub tree
sessiliflorus (Standl. & A.C. Sm.) A.C. Sm.		PROV: cc ch sa vr	000m: 0-1,1-2	RANGE: end	tree
stenodontus (Standl.) A.C. Sm.		PROV: ca cn sa	000m: 0-1	RANGE: mex	shrub
*tessmannii Harms		PROV: cc	000m: 0-1,1-2	RANGE: sat	shrub tree
Didymopanax					
morototoni (Aubl.) Dec. & Planch.		PROV: ca cn da pa sa vr	000m: 0-1	RANGE: ang cag mex sag sao	tree
pittieri Marchal		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
Oreopanax					
*anchicayanum Cuatr.		PROV: da	000m: 0-1,1-2	RANGE: sat	climber
capitatus (Jacq.) Decne. & Planch.		PROV: bo ca cc ch da	000m: 0-1,1-2,2-3	RANGE: ang cag cub his mex sag	tree
costaricensis Marchal		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree
liebmanni Marchal		PROV: bo ch	000m: 1-2,2-3	RANGE: cag mex	tree
*oerstediana Marchal		PROV: ch	000m: 1-2,2-3	RANGE: cr	tree shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
227 (144) ARALIACEAE cont.					
vestitus A.C. Sm.		PROV: ch	000m: 1-2,2-3	RANGE: cr	climber tree shrub climber
xalapensis (H.B.K.) Decne. & Planch.		PROV: ch	000m: 0-1,1-2,2-3,3+	RANGE: cag mex	shrub tree
*Polyscias					
*guilfoylei (Bull) Bailey cult.		PROV: bo ca	000m: 0-1	RANGE: oce	shrub
Schefflera					
*blepharidophylla Harms		PROV: da	000m: 1-2	RANGE: col	tree
*brenesii A.C. Sm.		PROV: ca pa	000m: 0-1,1-2	RANGE: cr	shrub tree
epiphytica A.C. Sm.		PROV: cc pa vr	000m: 0-1	RANGE: end	epiph shrub
*inamberica Harms		PROV: ca pa	000m: 0-1	RANGE: sat	tree
robusta (A.C. Sm.) A.C. Sm.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	shrub tree
seibertii A.C. Sm.		PROV: ch	000m: 0-1	RANGE: end	shrub tree
*sphaerocoma (Benth.) Harms		PROV: cc pa	000m: 0-1	RANGE: sat	epiph shrub
systyla (J.D. Sm.) Viguiet		PROV: bo cc cn pa sa	000m: 0-1,1-2	RANGE: cr	shrub tree
Sciadodendron					
excelsum Griseb.		PROV: ca cc lo pa	000m: 0-1	RANGE: cag? col gua his	shrub tree
228 (145) UMBELLIFERAE					
Anethum					
graveolens L.		intr. cult. PROV: bo	000m: 1-2	RANGE: wdw	herb
Arracacia					
*aegopodioides (H.B.K.) Coult. & Rose		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr gua mex	herb
Cyclospermum					
leptophyllum (Pers.) Sprague		PROV: ch	000m: 1-2,2-3	RANGE: wdt	herb
*Daucus					
*carota L.		intr. cult. PROV: ch	000m: 2-3	RANGE: cag sat wdw	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
228 (145) UMBELLIFERAE cont.					
*Donnellsmithia					
*juncea (Spr.) Mathias & Const.		PROV: wp	000m: 1-2,2-3	RANGE: cag mex sat	herb
Eryngium					
carlinae Delar. f.		PROV: ch	000m: 1-2	RANGE: cag cr mex	herb
foetidum L.		intr. cult.			
		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cag mex sag wdt	herb
		da lo pa sa vr			
*humile Cav.		PROV: bo ch	000m: 2-3,3+	RANGE: col cr ecu per ven	herb
Hydrocotyle					
bonariensis Lam.		PROV: ca ch cn sa vr	000m: 0-1	RANGE: nwt sao	herb
mexicana Schlecht. & Cham.		PROV: bo ch da	000m: 1-2,2-3	RANGE: cag mex	herb
pusilla A. Rich.		PROV: bo ca ch	000m: 0-1,1-2,2-3	RANGE: cr gag nic sat	herb
ranunculoides L. f.		PROV: bo	000m: 0-1,1-2	RANGE: cag gag nag sag	herb
*ribifolia Rose & Standl.		PROV: bo	000m: 2-3	RANGE: cr	herb
umbellata L.		PROV: bo ca cc ch cn	000m: 0-1,1-2,2-3	RANGE: cag gag nag sag	herb
		pa			
Myrrhidendron					
*chirripoense Suess.		PROV: bo ch	000m: 3+	RANGE: cr	herb
*donnell-smithii Coult. & Rose		PROV: bo	000m: 2-3,3+	RANGE: cr gua mex	tree
maxonii Coult. & Rose		PROV: ch	000m: 2-3,3+	RANGE: end	tree
*Niphogeton					
*chirripoi (Suess.) Mathias & Const.		PROV: bo ch	000m: 3+	RANGE: col cr ven	herb
*lingula (Wedd.) Mathias & Const.		PROV: bo	000m: 3+	RANGE: col cr	herb
*Ottoa					
*oenanthoides H.B.K.		PROV: ch	000m: 3+	RANGE: col cr ecu gua mex	herb
				ven	
Sanicula					
liberta Cham. & Schlecht.		PROV: bo ch da vr	000m: 0-1,1-2,3+	RANGE: cag mex per sag sao	herb
Spananthe					
paniculata Jacq.		PROV: ca ch	000m: 0-1,1-2	RANGE: nwt	herb
229 (146) CORNACEAE					
Cornus					
disciflora DC.		PROV: ch	000m: 2-3,3+	RANGE: cag mex	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
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229 (146) CORNACEAE cont.

*Garrya *laurifolia Hartw.		PROV: ch	000m: 3+	RANGE: cag	tree
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230 (147) CLETHRACEAE

Clethra *coloradensis C. Hamilton		PROV: ch	000m: 1-2	RANGE: end	tree
lanata Mart. & Gal.		PROV: cc ch he pa vr	000m: 0-1,1-2	RANGE: cag mex	tree
*tutensis C. Hamilton		PROV: vr	000m: 1-2	RANGE: end	tree

233 (148, 149) ERICACEAE

Anthopteropsis insignis A.C. Sm.		PROV: cc pa	000m: 0-1	RANGE: end	shrub
Anthopterus wardii Ball		PROV: da	000m: 0-1,1-2	RANGE: col ecu	shrub tree
Befaria *aestuans L.		PROV: ch vr	000m: 0-1	RANGE: ven	tree
Cavendishia *aberrans Luteyn		PROV: cc	000m: 0-1,1-2	RANGE: end	epiph shrub
allenii A.C. Sm.		PROV: cc cn pa sa	000m: 0-1	RANGE: end	epiph shrub
*arizonensis Luteyn		PROV: vr	000m: 1-2	RANGE: end	epiph shrub
atroviolacea Luteyn		PROV: ch	000m: 1-2,2-3	RANGE: cr	epiph shrub
*--var. folsomii Luteyn		PROV: cc cn	000m: 0-1	RANGE: end	epiph shrub
axillaris A.C. Sm.		PROV: cc ch da vr	000m: 0-1,1-2	RANGE: col cr ecu	terr epiph shrub
callista J.D. Sm.		PROV: cc cn da pa sa vr	000m: 0-1,1-2	RANGE: col cr gua nic sao ven	shrub
calycina A.C. Sm.		PROV: ch	000m: 1-2	RANGE: wr	terr epiph shrub
capitulata J.D. Sm.		PROV: bo cc ch da pa vr	000m: 0-1,1-2,2-3	RANGE: col cr	shrub
chiriquiensis A.C. Sm.		PROV: bo ch	000m: 1-2	RANGE: end	shrub

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
233 (148, 149) ERICACEAE cont.					
*--var. bullata Luteyn		PROV: cc ch	000m: 0-1,1-2	RANGE: end	shrub
complectens Hemsl.		PROV: ch da	000m: 0-1,1-2	RANGE: col cr nic	shrub
*copeensis Luteyn		PROV: cc	000m: 0-1	RANGE: end	hemiep
crassifolia (Benth.) Hemsl.		PROV: bo cc ch vr	000m: 0-1,1-2,2-3,3+	RANGE: cag cr gua mex	shrub
darienensis Luteyn		PROV: da	000m: 0-1,1-2	RANGE: col	shrub
					terr
					epiph
*fortunensis Luteyn		PROV: ch	000m: 1-2	RANGE: end	shrub
					epiph
fusiformis Luteyn		PROV: da	000m: 0-1,1-2	RANGE: col ecu	shrub
					epiph
gentryi Luteyn		PROV: da	000m: 1-2	RANGE: end	shrub
					epiph
laurifolia (Kl.) B. & H.		PROV: da	000m: 1-2	RANGE: col gua mex	shrub
					terr
					epiph
megabracteata Luteyn		PROV: bo ch	000m: 1-2,2-3	RANGE: end	shrub
					epiph
*--var. attenuata Luteyn		PROV: cc	000m: 0-1	RANGE: end	shrub
					epiph
melastomoides (Kl.) Hemsl.					shrub
--var. coloradensis Luteyn		PROV: ch	000m: 1-2	RANGE: end	epiph
					shrub
morii Luteyn		PROV: da	000m: 0-1,1-2	RANGE: end	epiph
					shrub
panamensis Luteyn		PROV: ch vr	000m: 1-2	RANGE: end	shrub
pseudostenophylla Luteyn		PROV: bo vr	000m: 0-1	RANGE: end	epiph
					terr
					shrub
pubescens (H.B.K.) Hemsl.		PROV: ch	000m: 1-2	RANGE: bol bol per ven	shrub
quercina A.C. Sm.		PROV: ch	000m: 1-2	RANGE: cr	terr
					epiph
*quereme (H.B.K) B. & H.		PROV: ch	000m: 1-2	RANGE: col cr	shrub
					terr
					epiph
revoluta Luteyn		PROV: cc pa	000m: 0-1	RANGE: end epiph	shrub
					terr
santafeensis Luteyn		PROV: vr	000m: 0-1,1-2	RANGE: end	shrub
					epiph
stenophylla A.C. Sm.		PROV: cc pa	000m: 0-1	RANGE: end	shrub
					terr
					epiph
subfasciculata Luteyn		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: end	shrub
					terr
					epiph
					shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
233 (148, 149) ERICACEAE cont.					
<i>*Chimaphila</i>					
<i>*maculata</i> (L.) Pursh		PROV: bo	000m: 2-3	RANGE: nag	herb
<i>Comarostaphylis</i>					
<i>arbutoides</i> Lindl.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag cr gua mex	shrub tree
<i>Didonica</i>					
<i>*panamensis</i> Luteyn & Wilbur		PROV: cc	000m: 0-1	RANGE: end	shrub
<i>pendula</i> Luteyn & Wilbur		PROV: cc vr	000m: 0-1,1-2	RANGE: end	shrub
<i>Disterigma</i>					
<i>*alaternoides</i> (H.B.K.) Ndzu.		PROV: cc	000m: 0-1,1-2	RANGE: sat	shrub
<i>*hammelii</i> Wilbur & Luteyn		PROV: bo ch	000m: 2-3	RANGE: per	shrub
<i>humboldtii</i> (Kl.) Ndzu.		PROV: bo ch vr	000m: 1-2,2-3	RANGE: cr gua sag?	shrub
<i>luteynii</i> Wilbur		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>panamense</i> Standl.		PROV: da	000m: 1-2	RANGE: end	shrub
<i>trimerum</i> Wilbur & Luteyn		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>utleyorum</i> Wilbur & Luteyn		PROV: vr	000m: 0-1,1-2	RANGE: col cr ecu	shrub
<i>Gaultheria</i>					
<i>gracilis</i> Small		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
<i>odorata</i> Willd.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag cr mex ven	shrub
<i>*Gonocalyx</i>					
<i>*almedae</i> Luteyn		PROV: ch	000m: 1-2	RANGE: wr	shrub
<i>Lateropora</i>					
<i>ovata</i> A.C. Sm.		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
<i>santafeensis</i> Wilbur & Luteyn		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>*tubulifera</i> Wilbur & Luteyn		PROV: ch	000m: 2-3	RANGE: end	shrub
<i>Lysiclesia</i>					
<i>panamensis</i> Luteyn & Wilbur		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>Macleania</i>					
<i>epiphytica</i> A.C. Sm.		PROV: cc cn pa vr	000m: 0-1	RANGE: end	shrub
<i>insignis</i> Mart. & Gal.		PROV: pa	000m: 0-1,1-2	RANGE: cag cr gua mex	shrub
<i>*megabracteolata</i> Wilbur & Luteyn		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>pentaptera</i> Hoer.		PROV: da	000m: 0-1	RANGE: col ecu	shrub
<i>rupestris</i> (H.B.K.) A.C. Sm.		PROV: ch	000m: 1-2,2-3,3+	RANGE: col cr ecu nic per ven	shrub
<i>Monotropa</i>					
<i>uniflora</i> L.		PROV: ch	000m: 1-2,2-3	RANGE: asi cag col fla mex nag nao nic	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
233 (148, 149) ERICACEAE cont.					
<i>Pernettya coriacea</i> Kl.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	shrub
<i>Psammisia columbiensis</i> Hoer.		PROV: da	000m: 1-2	RANGE: col ecu	shrub
<i>darienensis</i> Luteyn & Wilbur		PROV: da	000m: 1-2	RANGE: end	climber
<i>dolichopoda</i> A.C. Sm.		PROV: da pa sa	000m: 0-1,1-2	RANGE: col	shrub
* <i>oppositiflora</i> Luteyn		PROV: da	000m: 1-2	RANGE: col	epiph climber
<i>panamensis</i> A.C. Sm.		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: end	shrub
<i>ramiflora</i> Kl.		PROV: cc ch cn da pa vr	000m: 0-1,1-2,2-3	RANGE: cr	shrub
<i>Satyria allenii</i> A.C. Sm.		PROV: cc pa	000m: 0-1	RANGE: end	shrub climber
<i>warszewiczii</i> Kl.		PROV: bo cc ch da pa sa vr	000m: 0-1,1-2,2-3	RANGE: cag mex	shrub
<i>Spherospermum buxifolium</i> P. & E.		PROV: cc ch da pa	000m: 0-1,1-2	RANGE: bol cag? col cr gui	subshrub
<i>cordifolium</i> Benth.		PROV: bo cc ch da pa vr	000m: 0-1,1-2,2-3	RANGE: bol nic per sag? cag? col cr gui	subshrub
<i>standleyi</i> A.C. Sm.		PROV: da	000m: 1-2	RANGE: his mex sag? trt ven	shrub
<i>tuberculatum</i> Wilbur & Luteyn		PROV: vr	000m: 0-1	RANGE: cr end	shrub
<i>Themistoclesia costaricensis</i> Luteyn & Wilbur		PROV: da	000m: 1-2	RANGE: cr	shrub
<i>horquetensis</i> Luteyn & Wilbur		PROV: ch	000m: 2-3	RANGE: end	shrub
<i>pentandra</i> Sleumer		PROV: cc ch da	000m: 0-1,1-2	RANGE: cr	shrub
* <i>revoluta</i> Wilbur & Luteyn		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>smithiana</i> (Standl.) Sleumer		PROV: ch vr	000m: 0-1,1-2	RANGE: cr	shrublet
<i>Thibaudia costaricensis</i> Hoer.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	shrub
<i>Vaccinium consanguineum</i> Kl.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	shrub tree
<i>dissimile</i> Blake		PROV: bo cc ch cn pa vr	000m: 0-1,1-2	RANGE: col cr	shrublet
<i>floccosum</i> (L.O. Wms.) Wilbur & Luteyn		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>jefense</i> Luteyn & Wilbur		PROV: cc pa	000m: 0-1	RANGE: end	epiph shrub
<i>poasanum</i> J.D. Sm.		PROV: ch	000m: 1-2,2-3	RANGE: cr gua hon sal	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
233 (148, 149) ERICACEAE cont.					
santafeensis Wilbur & Luteyn		PROV: vr	000m: 0-1	RANGE: end	shrub
235a (151) THEOPHRASTACEAE					
Claviija					
biborrana Oerst.		PROV: bo cc da pa	000m: 0-1,1-2	RANGE: cr	shrub
jeiskii Szyszyl.		PROV: ca cc ch cn da pa	000m: 0-1,1-2	RANGE: cag? cr per sag?	shrub
pubens D'Arcy		PROV: sa	000m: 0-1	RANGE: end	shrub
spathulata R. & P.		PROV: ca da pa sa	000m: 0-1	RANGE: per ven	tree
Jacquinia					
macrocarpa Cav.		PROV: ca cc he lo pa	000m: 0-1	RANGE: cr mex	shrub tree
236 (150) MYRSINACEAE					
Ardisia					
*aequilonga Lund.		PROV: cn	000m: 0-1	RANGE: end	tree
alstonii Lund.		PROV: cc ch lo	000m: 0-1,1-2	RANGE: end	shrub
antonensis Lund.		PROV: cc	000m: 0-1	RANGE: end	tree
*atrata Lund.		PROV: cn	000m: 0-1	RANGE: end	tree
*atropurpurea Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
*auriculata J.D. Sm.		PROV: cn vr	000m: 0-1	RANGE: cr	tree
bartlettii Lund.		PROV: ca da sa	000m: 0-1	RANGE: end	shrub
*baruana Lund.		PROV: ch	000m: 1-2	RANGE: end	shrub
*boltenii Lund.		PROV: vr	000m: 0-1	RANGE: nic	shrub
*boquetensis Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
*brevis Lund.		PROV: da	000m: 0-1	RANGE: end	shrub
*calvariana Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
*campanensis Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
*caudatifolia Lund.		PROV: vr	000m: 0-1	RANGE: end	tree
*chiriquiensis Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
*clavelligera Lund.		PROV: pa	000m: 0-1	RANGE: end	tree
*colonensis Lund.		PROV: cn	000m: 0-1	RANGE: end	tree
*conglobata Lund.		PROV: pa	000m: 0-1,2-3	RANGE: end	tree
*conglomerata Lund.		PROV: vr	000m: 0-1	RANGE: end	tree
copeyana Standl.		PROV: pa	000m: 0-1	RANGE: cr	tree
*correae Lund.		PROV: ch	000m: 1-2	RANGE: end	shrub
*crassipedicellata Lund.		PROV: vr	000m: 0-1	RANGE: end	tree
crassipes Lund.		PROV: bo	000m: 2-3	RANGE: end	tree
*croatii Lund.		PROV: vr	000m: 0-1	RANGE: end	tree
*crosbyi Lund.		PROV: cn	000m: 0-1	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
236 (150) MYRSINACEAE cont.					
darienensis Lund.		PROV: da	000m: 0-1,1-2	RANGE: end	tree
*davidsei Lund.		PROV: ch	000m: 1-2	RANGE: end	tree
*deminuta Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
dukei Lund.		PROV: da	000m: 0-1	RANGE: end	tree
dwyeri Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
*eugenioides Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
fendleri Lund.		PROV: cc cn	000m: 0-1	RANGE: end	tree
*florulenta Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
*foetida R. & S.		PROV: da	000m: 0-1	RANGE: col ven	shrub
					tree
*folsomii Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
*foveolata Lund.		PROV: vr	000m: 0-1	RANGE: end	tree
*fruticosa Lund.		PROV: ca	000m: 0-1	RANGE: end	shrub
furfuracella Standl.		PROV: ch	000m: 1-2,2-3	RANGE: end	tree
geniculata Lund.		PROV: ch	000m: 0-1	RANGE: end	tree
glanduloso-marginata Oerst.		PROV: ch da pa	000m: 0-1,1-2,2-3	RANGE: cr	tree
					shrub
glomerata Lund.		PROV: cc	000m: 0-1	RANGE: end	tree
granatensis Mez		PROV: da	000m: 0-1	RANGE: col	shrub
					tree
*guancheana Lund.		PROV: cn	000m: 0-1	RANGE: end	shrub
guianensis (Aubl.) Mez		PROV: bo ca pa sa	000m: 0-1	RANGE: ang cag sag?	shrub
					tree
hagenii Lund.		PROV: ch	000m: 1-2	RANGE: end	tree
*hammelii Lund.		PROV: cn	000m: 0-1	RANGE: end	shrub
*horquetensis Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
*jefeana Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
					tree
lewisii Lund.		PROV: cn	000m: 0-1	RANGE: end	shrub
lilacina Lund.		PROV: cn sa	000m: 0-1	RANGE: ven	shrub
*maasolae Lund.		PROV: pa	000m: 0-1	RANGE: end	tree
*macrostachya Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
maxonii Standl.		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: end	shrub
					tree
megistophylla Lund.		PROV: vr	000m: 0-1	RANGE: col	shrub
microcalyx Lund.		PROV: ch	000m: 0-1,1-2	RANGE: end	tree
*minima Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
*morii Lund.		PROV: ch	000m: 1-2	RANGE: end	tree
*neei Lund.		PROV: pa	000m: 0-1	RANGE: end	tree
nervosissima Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
nigrita Lund.		PROV: ca pa	000m: 0-1	RANGE: end	shrub
nigropunctata Oerst.		PROV: bo	000m: 0-1	RANGE: bel cr gua hon nic	shrub
					tree
*oerstediana Lund.		PROV: vr	000m: 0-1	RANGE: end	shrub
opaca Lund.		PROV: ch da	000m: 1-2	RANGE: end	tree
opegrapha Oerst.		PROV: bo cc ch pa vr	000m: 0-1	RANGE: cr nic	shrub
					tree
palmana J.D. Sm.		PROV: ch pa	000m: 0-1,1-2	RANGE: cr	tree
panamensis Lund.		PROV: ch	000m: we	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
236 (150) MYRSINACEAE cont.					
pellucida Oerst.		PROV: ca da pa	000m: 0-1	RANGE: cag col mex	shrub
*pergracilis Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
*pilonensis Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
*pirreana Lund.		PROV: da	000m: 1-2	RANGE: end	shrub
pittieri Mez		PROV: cc	000m: 0-1	RANGE: cr	tree
pleurobotrya J.D. Sm.		PROV: ch	000m: 2-3	RANGE: cr	tree
*pluriflora Lund.		PROV: ch	000m: 1-2	RANGE: end	shrub
pulverulenta Mez		PROV: vr	000m: we	RANGE: end	shrub
					tree
reflexiflora Lund.		PROV: ch	000m: 1-2	RANGE: end	tree
*retusa Lund.		PROV: vr	000m: 1-2	RANGE: end	shrub
revoluta Kunth		PROV: ch	000m: 2-3	RANGE: cr	tree
*rimiformis Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
romeroi Cuatr.		PROV: da	000m: 0-1	RANGE: col	shrub
*rufa Lund.		PROV: ch pa	000m: 0-1, 2-3	RANGE: end	tree
*santafeana Lund.		PROV: vr	000m: 0-1	RANGE: end	tree
*sapoana Lund.		PROV: da	000m: 1-2	RANGE: end	shrub
scheryi Lund.		PROV: ch	000m: 1-2, 2-3	RANGE: end	tree
solanacea Roxb.		PROV: ca	000m: 0-1	RANGE: asi	shrub
stenophylla J.D. Sm.		PROV: bo	000m: 0-1	RANGE: cr	shrub
					tree
subsessilifolia Lund.		PROV: ch	000m: 1-2, 2-3	RANGE: end	shrub
					tree
*tacarcunana Lund.		PROV: da	000m: 1-2	RANGE: end	tree
*tenuicaulis Lund.		PROV: ch	000m: 1-2	RANGE: end	shrub
tenuis Lund.		PROV: da	000m: 0-1, 1-2	RANGE: col	shrub
					tree
*tuirana Lund.		PROV: da	000m: 0-1	RANGE: end	shrub
tysonii Lund.		PROV: pa	000m: 0-1	RANGE: end	shrub
*ursina Lund.		PROV: pa	000m: 0-1	RANGE: end	tree
*veraguasensis Lund.		PROV: vr	000m: 0-1	RANGE: end	shrub
*vesca Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
wedelii Lund.		PROV: bo	000m: 0-1	RANGE: nic	tree
					shrub
whitei Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
woodsonii Lund.		PROV: ch	000m: 1-2	RANGE: end	tree
*Conomorpha					
*gentryi Lund.		PROV: pa	000m: 0-1	RANGE: wr	shrub
*panamensis Lund.		PROV: ch	000m: 2-3	RANGE: end	tree
*Cybianthus					
*baruana (Lund.) Pipoly		PROV: ch	000m: 2-3, 3+	RANGE: end	shrub
*costaricanus Hemsl.					
*--subsp. costaricanus		PROV: bo ch sa	000m: 1-2, 2-3	RANGE: cr	epiph
					shrub
*gentryi Lund.		PROV: da	000m: 1-2	RANGE: end	shrub
*montanus (Lund.) Agostini		PROV: ca pa	000m: 0-1	RANGE: end	shrub
*occigranatensis (Cuatr.) Agostini		PROV: da	000m: 1-2	RANGE: col	treelet

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
236 (150) MYRSINACEAE cont.					
*pastensis (Mez) Agostini		PROV: ch da	000m: 1-2,2-3,3+	RANGE: col cr ecu per ven	shrub
*perpuncticulosus (Lund.) Pipoly & Lund.		PROV: da	000m: 0-1,1-2	RANGE: col	tree
*spectabilis (Standl.) Agostini		PROV: pa sa	000m: 0-1	RANGE: col? cr	shrub shrub
Gentlea					
austin-smithii (Lund.) Lund.		PROV: ch	000m: 1-2	RANGE: cr	shrub tree
Grammadenia					
*morii Lund.		PROV: pa	000m: 0-1	RANGE: end	epiph shrub
*panamensis Lund.		PROV: pa	000m: 0-1	RANGE: end	epiph shrub
*Myrsine					
*coclensis Lund.		PROV: cc	000m: 0-1	RANGE: end	shrub
*coriacea R. & S.		PROV: bo cc ch pa vr	000m: 0-1,1-2,2-3	RANGE: ang cag mex sao sat	shrub tree
*floridana A. DC.		PROV: bo	000m: 0-1	RANGE: ang bah cag fla mex	shrub tree
*microcalyx Lund.		PROV: ch	000m: 1-2	RANGE: wr	shrub
*pellucidopunctata Oerst.		PROV: bo ch pa vr	000m: 0-1,1-2,2-3	RANGE: cr	shrub
*pittieri (Mez) Lund.		PROV: ch	000m: 3+	RANGE: cr	shrub
*sytsmae Lund.		PROV: lo	000m: 0-1	RANGE: end	shrub
Parathesis					
amplifolia Lund.		PROV: pa	000m: 0-1	RANGE: end	tree
*bicolor Lund.		PROV: pa	000m: 0-1	RANGE: end	tree
fusca (Oerst.) Mez		PROV: pa	000m: 0-1	RANGE: cag? col hon ven	shrub
*glaberrima Lund.		PROV: vr	000m: 1-2	RANGE: end	tree
glabra J.D. Sm.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr nic	shrub tree
*kallunkiae (Lund.) Lund.		PROV: da vr	000m: 0-1,1-2	RANGE: end	shrub tree
microcalyx J.D. Sm.		PROV: ca da	000m: 0-1	RANGE: cr hon nic	shrub tree
panamensis Lund.		PROV: bo	000m: 0-1	RANGE: end	tree
seibertii Lund.		PROV: ch	000m: 1-2,2-3	RANGE: end	tree
tenuifolia Lund.		PROV: bo	000m: 0-1	RANGE: end	tree
Rapanea					
allenii Lund.		PROV: ch da	000m: 1-2,2-3	RANGE: end	tree
pellucido-punctata (Oerst.) Mez		PROV: ch	000m: 0-1,1-2	RANGE: cr	tree
*reflexifora Lund.		PROV: cc	000m: 0-1	RANGE: end	tree
Stylogyne					
*darienensis Lund.		PROV: da	000m: 0-1	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
236 (150) MYRSINACEAE cont.					
hayesii Mez		PROV: da pa	000m: 0-1	RANGE: end	shrub
standleyi Lund.		PROV: bo ca da pa	000m: 0-1	RANGE: col cr ven	shrub
turbacensis (Kunth) Mez		PROV: ca cc ch he lo vr	000m: 0-1	RANGE: cag col ven	tree shrub tree
237 (152) PRIMULACEAE					
Anagallis pumila Sw. --var. pumila		PROV: cc ch pa	000m: 0-1,1-2	RANGE: afr ang asi cag fla mex oce sag	herb
238 (153) PLUMBAGINACEAE					
Plumbago auriculata Lam.		intr. cult. PROV: vr	000m: 1-2	RANGE: afr fla gua mex sao ven	subshrub
scandens L.		intr. cult. nat. PROV: ca cc he lo pa	000m: 0-1	RANGE: ang cag fla mex nao sag tex	herb
239 (154) SAPOTACEAE					
Bumelia persimilis Hemsl. --subsp. persimilis		PROV: cc lo pa	000m: 0-1	RANGE: cag mex ven	shrub tree
Chrysophyllum cainito L.		cult. PROV: bo ca cc ch da he lo pa vr	000m: 0-1	RANGE: ang nwt	tree
*excelsum Huber		PROV: pa	000m: 0-1	RANGE: sao ven	tree
*hirsutum Cronq.		PROV: cn pa	000m: 0-1	RANGE: cr	shrub
*mexicanum Standl.		PROV: cc da	000m: 0-1	RANGE: cag mex	tree shrub tree
*Cynodendron *panamense (Pitt.) Aubrev.		PROV: bo ca cn da pa	000m: 0-1	RANGE: cag col cr mex	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
239 (154) SAPOTACEAE cont.					
<i>Dipholis</i> <i>minutiflora</i> Pitt.		PROV: ch pa	000m: 0-1,1-2	RANGE: cag mex	tree
* <i>Eccolnusa</i> * <i>guianensis</i> Eyma		PROV: bo	000m: 0-1	RANGE: col per sao sat ven	tree?
* <i>Elaeoluma</i> * <i>glabrescens</i> (Mart. & Eichl.) Aubrev.		PROV: sa	000m: 0-1	RANGE: per sao	tree
<i>Manilkara</i> <i>bidentata</i> (DC.) Chev. <i>chicle</i> (Pitt.) Gilly		PROV: bo ca pa sa PROV: ca cc cn da lo pa	000m: 0-1 000m: 0-1	RANGE: his lag pr sag? RANGE: cag col mex	tree tree
<i>meridionalis</i> Gilly <i>zapota</i> (L.) Royen		PROV: pa PROV: ca	000m: 0-1 000m: 0-1	RANGE: ang cag col mex ven RANGE: ang cag cr fla mex sag?	tree tree
<i>Mastichodendron</i> <i>capiri</i> (DC.) Cronq. --var. <i>tempisque</i> (Pitt.) Cronq.		PROV: cc lo	000m: 0-1	RANGE: cag mex	tree
* <i>Micropholis</i> * <i>chrysophylloides</i> Pierre * <i>mexicana</i> Cronq.		PROV: da PROV: pa	000m: 1-2 000m: 0-1	RANGE: col RANGE: bel mex	tree tree
* <i>Mimusops</i> * <i>commersonii</i> (G. Don) Engler		intr. cult. PROV: ca vr	000m: 0-1	RANGE: owt	tree
* <i>elengi</i> L.		intr. cult. PROV: ca pa	000m: 0-1	RANGE: asi	tree
* <i>Neoxythece</i> * <i>dura</i> (Eyma) Aubrev. & Pellegrin * <i>maguirei</i> Aubrev.		PROV: da PROV: pa	000m: 0-1 000m: 0-1	RANGE: col sao ven RANGE: ven	tree shrub
<i>Pouteria</i> * <i>buenaventurensis</i> (Aubrev.) Pilz <i>caimito</i> (R. & P.) Radlk. cult. <i>calistophylla</i> (Standl.) Baehni <i>campechiana</i> (H.B.K.) Baehni		PROV: cn pa PROV: da PROV: bo PROV: ca cc cn da lo pa vr	000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1	RANGE: col RANGE: per sag? sao trt RANGE: end RANGE: cag cub fla sao	tree tree tree tree
* <i>carabobensis</i> Pitt. <i>chiricana</i> (Standl.) Baehni * <i>congestifolia</i> Pilz <i>cooperi</i> Cronq. <i>dominigensis</i> (Gaertn. f.) Baehni		PROV: da PROV: bo ch PROV: cc ch PROV: bo	000m: 0-1 000m: 0-1 000m: 0-1,1-2 000m: 0-1	RANGE: ven RANGE: cr RANGE: end RANGE: end	tree tree tree tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
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239 (154) SAPOTACEAE cont.

--var. dominigensis	cult.	PROV: ca	000m: 0-1	RANGE: ang fla	tree
*durlandii (Standl.) Baehni		PROV: da	000m: 1-2	RANGE: bel cr guat hon mex	tree
*engleri Eyma		PROV: cn pa	000m: 0-1	RANGE: gui	tree
euryphylla (Standl.) Baehni		PROV: bo	000m: 0-1	RANGE: end	tree
fossicola Cronq.		PROV: ca cc cn da	000m: 0-1	RANGE: cr	tree
*leptopedicellata Pilz		PROV: cn	000m: 0-1	RANGE: end	tree
lucentifolia (Standl.) Baehni		PROV: bo cc pa vr	000m: 0-1	RANGE: cr hon	tree
*neglecta Cronq.		PROV: ca da	000m: 0-1	RANGE: gua per?	tree
pentasperma (Standl.) Baehni		PROV: bo da	000m: 0-1	RANGE: end	tree
sambuensis (Pitt.) Baehni		PROV: da	000m: 0-1	RANGE: end	tree
sapota (Jacq.) Moore & Stearn	cult.	PROV: ca cc ch da he	000m: 0-1	RANGE: ang cag mex sag?	tree
		pa sa			
sclerocarpa (Pitt.) Cronq.		PROV: sa	000m: 0-1	RANGE: end	tree
stipitata Cronq.		PROV: ca da pa	000m: 0-1	RANGE: cr	tree
stylosa (Pierre) Dubard		PROV: bo ca pa	000m: 0-1	RANGE: col? cr? hon?	tree
subrotata Cronq.		PROV: cn da	000m: 0-1	RANGE: cr	tree
*tarapotensis (Pierre) Baehni		PROV: pa	000m: 0-1	RANGE: per sao	tree
*unilocularis (J.D. Sm.) Baehni		PROV: ca ch da pa	000m: 0-1	RANGE: bel cr gua hon mex	tree
*Synsepalum					
*dulcificum (Schum. & Thonn.) Daniell	cult.	PROV: ca	000m: 0-1	RANGE: afr	shrub

240 (155) EBENACEAE

Diospyros					
artanthifolia Mart.		PROV: ca cn da	000m: 0-1	RANGE: per sag? sao	tree
digyna Jacq.		PROV: vr	000m: 0-1	RANGE: cag col mex	tree
*discolor Kl.		PROV: ca	000m: 0-1	RANGE: asi	tree
inconstans Jacq.		PROV: da	000m: 0-1	RANGE: ang sag sao	tree
salicifolia Willd.		PROV: ca da	000m: 0-1	RANGE: cag mex	shrub
					tree

241 (156) STYRACACEAE

Styrax					
argenteus Presl					
--var. argenteus		PROV: cc ch da	000m: 0-1, 1-2, 2-3, 3+	RANGE: cag cr mex	tree
--var. micranthus D'Arcy		PROV: ch cn	000m: 0-1, 1-2, 2-3	RANGE: cr gua mex	tree
conterminus J.D. Sm.		PROV: ch	000m: 1-2	RANGE: gua	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
242 (157) SYMPLOCACEAE					
Symplocos					
austin-smithii Standl.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cr	tree
chiriquensis Pitt.		PROV: ch pa	000m: 0-1,1-2	RANGE: cr	shrub
serrulata H. & B.		PROV: ch	000m: 2-3	RANGE: cr	tree
243 (158) OLEACEAE					
Chionanthus					
panamensis (Standl.) Stearn		PROV: bo cc pa	000m: 0-1	RANGE: cr	tree
*Forestiera					
*cartaginense J.D. Sm.		PROV: ch	000m: 3+	RANGE: cr	tree
Jasminum					
dichotomum Vahl	intr. cult.	PROV: ca	000m: 0-1	RANGE: afr fla	shrub
fluminense Vell.	intr. cult.	PROV: pa	000m: 0-1	RANGE: afr sao	shrub
grandiflorum L.	intr. cult.	PROV: pa	000m: 0-1	RANGE: asi eur	shrub
multiflorum (Burm. f.) Andr.	intr. cult.	PROV: ca	000m: 0-1	RANGE: asi	shrub
sambac (L.) Ait.	intr. cult.	PROV: ca	000m: 0-1	RANGE: asi	shrub climber
Ligustrum					
sinense Lour.	intr. cult.	PROV: ch	000m: 2-3	RANGE: asi	shrub
Noronhia					
emarginata (Lam.) Stadman	intr. cult.	PROV: ca	000m: 0-1	RANGE: afr	tree
245 (159) LOGANIACEAE					
Buddleia					
americana L.		PROV: ca ch	000m: 0-1,1-2	RANGE: bol cag mex per sat	shrub
nitida Benth.		PROV: ch	000m: 1-2,2-3	RANGE: cag mex	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
245 (159) LOGANIACEAE cont.					
*skutchii Morton		PROV: ch	000m: 2-3	RANGE: mex	treelet
Mitreola petiolata (Gmel.) Torr. & Gray		PROV: ca he lo pa	000m: 0-1	RANGE: ang cag nag per sag wdt	herb
*Peltanthera *floribunda Benth.		PROV: da pa	000m: 0-1	RANGE: per	tree
Potalia amara Aubl.		PROV: bo pa	000m: 0-1	RANGE: cr per sag? sao	shrub
Spigelia anthelmia L.		PROV: bo ca ch cn da lo pa sa vr	000m: 0-1	RANGE: afr ang? asi cag? fla mex per sag? sao	herb
humboldtiana Cham. & Schlecht.		PROV: bo ca cc ch da pa sa	000m: 0-1	RANGE: cag mex sag sao	herb
Strychnos brachistantha Standl.		PROV: ca	000m: 0-1	RANGE: bel gua mex nic	shrub
*chlorantha Progel		PROV: pa sa	000m: 0-1	RANGE: cag	tree
*colombiensis Kruk. & Barneby		PROV: cn	000m: 0-1	RANGE: col per sat	shrub tree
*croatii Kruk. & Barneby		PROV: cn da pa sa	000m: 0-1	RANGE: col	shrub tree
dariensis Seem.		PROV: ca cn da pa vr	000m: 0-1	RANGE: bol cr gui nic per sag sao	shrub climber
*erichsonii Schomb.		PROV: da pa	000m: 0-1	RANGE: per sao sat ven	tree
nigricans Progel		PROV: ca	000m: 0-1	RANGE: cag mex sao	shrub
panamensis Seem.		PROV: ca cc ch cn da pa vr	000m: 0-1, 1-2	RANGE: cag col mex ven	climber
panurensis Sprague & Sandw.		PROV: pa	000m: 0-1	RANGE: per sag? sao	shrub
*poeppigii Progel		PROV: pa	000m: 0-1	RANGE: bol col per sao sat	climber
toxifera Benth.		PROV: ca da sa	000m: 0-1	RANGE: cr ecu gui sao	climber

246 (160) GENTIANACEAE

*Apteria *aphylla Small		PROV: da	000m: 0-1	RANGE: fla	herb
Centaurium quitense (Kunth) Rob.		PROV: ca ch lo	000m: 0-1, 1-2	RANGE: bah cag cr cub ecu gua hon mex nic per sat	herb
strictum (Schiede) Druce		PROV: ch	000m: 2-3, 3+	RANGE: cag mex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
246 (160) GENTIANACEAE cont.					
<i>Chelonanthus</i> <i>alatus</i> (Aubl.) Pulle		PROV: ca cc ch cn da pa	000m: 0-1,1-2	RANGE: cag mex sag? sao	herb
<i>Coutoubea</i> <i>spicata</i> Aubl.		PROV: ca he pa sa vr	000m: 0-1	RANGE: cag mex sag?	herb
<i>Curtia</i> <i>tenella</i> (Mart.) Cham.		PROV: ca cc pa	000m: 0-1	RANGE: cag mex sag? sao	herb
<i>Enicostema</i> <i>verticillatum</i> Gilg		PROV: ca cn sa	000m: 0-1	RANGE: gag lag	herb
<i>Halenia</i> <i>euryphylla</i> Allen		PROV: ch	000m: 2-3	RANGE: end	herb
<i>rhyacophila</i> Allen		PROV: ch	000m: 1-2	RANGE: cr	herb
<i>woodsoniana</i> Allen		PROV: ch	000m: 2-3,3+	RANGE: end	herb
<i>Lagenanthus</i>					
<i>Lisianthus</i> <i>jefensis</i> A. Robyns & Elias		PROV: pa	000m: 0-1	RANGE: end	herb shrub
<i>peduncularis</i> L.O. Wms.		PROV: cc sa	000m: 0-1	RANGE: end	herb shrub
<i>seemannii</i> (Griseb.) Kuntze		PROV: cc ch da he vr	000m: 0-1	RANGE: col cr	herb shrub
<i>skinneri</i> (Hemsl.) Kuntze		PROV: ca cc cn pa sa vr	000m: 0-1,1-2	RANGE: cr gua hon	herb shrub
<i>Macrocarpaea</i> <i>browallioides</i> (Ewan) A. Robyns & Nilsson		PROV: bo	000m: 2-3	RANGE: end	shrub
<i>*macrophylla</i> (H.B.K) Gilg		PROV: da	000m: 1-2	RANGE: col	tree
<i>Schultesia</i> <i>guianensis</i> (Aubl.) Malme		PROV: ca cc pa	000m: 0-1	RANGE: cag mex	herb
<i>heterophylla</i> Miq.		PROV: ca cc vr	000m: 0-1	RANGE: ang cag sag	herb
<i>lisianthoides</i> Hemsl.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: cag mex sag	herb
<i>pohlana</i> Progel		PROV: cc	000m: 0-1	RANGE: sag	herb
<i>Symbolanthus</i> <i>*calygonus</i> (R. & P.) Gris.		PROV: ch da	000m: 0-1,2-3	RANGE: cag sat	shrub
<i>pulcherrimus</i> Gilg		PROV: bo ch da	000m: 1-2,2-3	RANGE: cr	herb shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
246 (160) GENTIANACEAE cont.					
<i>Voyria</i>					
<i>aphylla</i> (Jacq.) Pers.		PROV: bo cc da	000m: 0-1,1-2	RANGE: ang cr sag?	herb
<i>aurantiaca</i> Splitg.		PROV: da pa sa	000m: 0-1	RANGE: bel sao	herb
* <i>corymbosa</i> Splitg.		PROV: ca cn pa sa	000m: 0-1	RANGE: col	herb
*--subsp. <i>alba</i> (Standl.) Ruyters & Maas		PROV: pa	000m: 0-1	RANGE: cag col gui ven	herb
* <i>flavescens</i> Grisb.		PROV: bo	000m: 0-1	RANGE: gui	herb
<i>pittieri</i> (Standl.) L.O. Wms.		PROV: cc sa	000m: 0-1	RANGE: col ven	herb
<i>pulcherrima</i> (Standl.) L.O. Wms.		PROV: sa	000m: 0-1	RANGE: end	herb
* <i>spruceana</i> Benth.		PROV: da sa	000m: 0-1	RANGE: col gui per sao ven	herb
<i>tenella</i> Hook.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: bel? cr sag?	herb
<i>truncata</i> (Standl.) Standl. & Steyerl.		PROV: bo ca cc pa sa	000m: 0-1,1-2	RANGE: gua nic	herb
* <i>Voyriella</i>					
* <i>parviflora</i> (Miq.) Miq.		PROV: cc	000m: 0-1	RANGE: gui	herb

246a (161) MENYANTHACEAE

<i>Nymphoides</i>					
* <i>indica</i> (L.) Kuntze		PROV: ca cc cn pa	000m: 0-1	RANGE: cag gag mex sag trt	herb

247 (162) APOCYNACEAE

<i>Allamanda</i>					
<i>cathartica</i> L.		intr. cult.			
		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: nwt	climber
<i>Allomarkgrafia</i>					
<i>plumeriiflora</i> Woods.		PROV: cn pa sa	000m: 0-1	RANGE: col cr	climber
<i>Anechites</i>					
<i>nerium</i> (Aubl.) Urb.		PROV: bo da sa	000m: 0-1	RANGE: ang? col ecu	climber
<i>Aspidosperma</i>					
<i>cruenta</i> Woods.		PROV: ca cn pa	000m: 0-1	RANGE: col gui sat ven	tree
* <i>curranii</i> Standl.		PROV: da	000m: 0-1	RANGE: col	tree
<i>darienense</i> Dwyer		PROV: da sa	000m: 0-1	RANGE: end	tree
* <i>marcgravianum</i> Woods.		PROV: ca cn pa	000m: 0-1	RANGE: ven	tree
<i>megalocarpon</i> Muell.-Arg.		PROV: ca ch da sa	000m: 0-1	RANGE: cag col cr mex	tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
247 (162) APOCYNACEAE cont.					
*Carissa					
*edulis (Forssk.) Vahl		intr. PROV: cc	000m: 0-1	RANGE: afr	tree
Catharanthus					
roseus G. Don		cult. PROV: ca cn he pa sa	000m: 0-1	RANGE: afr	herb
Echites					
turbinata Woods.		PROV: ch	000m: 1-2	RANGE: cr	climber
*turrigera Woods.		PROV: pa	000m: 0-1	RANGE: wr	climber
Fernaldia					
speciosissima Woods.		PROV: ch	000m: 0-1	RANGE: end	climber
Forsteronia					
*myriantha J.D. Sm.		PROV: ca	000m: 0-1	RANGE: gua	climber
peninsularis Woods.		PROV: ca cn lo pa	000m: 0-1	RANGE: bel gua	climber
spicata (Jacq.) G. Meyer		PROV: cc pa	000m: 0-1	RANGE: cag col cub mex	climber
viridescens Blake		PROV: ca cn pa	000m: 0-1	RANGE: bel gua	climber
Himatanthus					
articulatus (Vahl) Woods.		PROV: ca cn da sa	000m: 0-1	RANGE: sag?	tree
Lacmellea					
panamensis (Woods.) Markgr.		PROV: ca cn da pa	000m: 0-1	RANGE: bel cr	tree
*Macoubea					
*sprucei (Muell.-Arg.) Markgr.		PROV: da pa sa	000m: 0-1	RANGE: per sao ven	tree
Malouetia					
guatemalensis (Muell.-Arg.) Standl.		PROV: bo ca cn da sa	000m: 0-1	RANGE: cag	tree
isthmica Markgr.		PROV: ca cn pa sa	000m: 0-1	RANGE: end	tree
Mandevilla					
campanulata Markgr.		PROV: cn da pa vr	000m: 0-1	RANGE: end	climber
hirsuta (Rich.) Schum.		PROV: ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: cag sag	climber
subsagittata (R. & P.) Woods.		PROV: ca ch pa vr	000m: 0-1, 1-2	RANGE: cag mex sag?	climber
veraguasensis (Seem.) Hemsl.		PROV: ch	000m: 1-2, 2-3	RANGE: col cr ecu ven	climber
villosa (Miers) Woods.		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: cag mex ven	climber
*Mascarenhasia					
*elastica Schum.		intr. cult. PROV: ca	000m: 0-1	RANGE: afr	tree
Mesechites					
trifida (Jacq.) Muell.-Arg.		PROV: bo ca cc ch da pa sa vr	000m: 0-1	RANGE: cag mex sag?	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
247 (162) APOCYNACEAE cont.					
<i>Odontadenia</i>					
* <i>cognata</i> (Stadelm.) Woods.		PROV: cn da pa sa vr	000m: 0-1	RANGE: cr	climber
<i>macrantha</i> (R. & S.) Markgr.		PROV: ca cc ch da he pa sa	000m: 0-1	RANGE: cr sag?	climber
<i>puncticulosa</i> (Rich.) Pulle		PROV: ca cn da pa vr	000m: 0-1	RANGE: cr gui sao	climber
<i>Peltastes</i>					
<i>colombianus</i> Woods.		PROV: ca ch da pa	000m: 0-1	RANGE: cr	climber
<i>Plumeria</i>					
* <i>acutifolia</i> Poir.	cult.	PROV: bo ca da he lo pa sa	000m: 0-1	RANGE: ang cag cr mex	tree
* <i>inodora</i> Jacq.		PROV: cn	000m: 0-1	RANGE: col gui ven	tree
<i>pudica</i> Jacq.	cult.	PROV: ch pa	000m: 0-1	RANGE: col lag? ven	shrub
<i>Prestonia</i>					
<i>acutifolia</i> (Benth.) Schum.		PROV: ca cc da pa	000m: 0-1	RANGE: sag	climber
<i>allenii</i> Woods.		PROV: cc cn pa sa	000m: 0-1	RANGE: cr	climber
<i>concolor</i> (Blake) Woods.		PROV: bo vr	000m: 0-1	RANGE: bel	climber
<i>exserta</i> (A. DC.) Standl.		PROV: ca cc da pa	000m: 0-1	RANGE: col trt ven	climber
<i>ipomaeifolia</i> A. DC.		PROV: ca cc da lo pa	000m: 0-1	RANGE: col gui	climber
<i>lenticellata</i> A. Gentry		PROV: cn pa	000m: 0-1	RANGE: end	shrub
* <i>mollis</i> H.B.K.		PROV: da	000m: we	RANGE: ecu per sao	climber
<i>obovata</i> Standl.		PROV: ca cc ch cn da pa sa	000m: 0-1	RANGE: end	climber
<i>portobellensis</i> (Beurl.) Woods.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: cag mex	climber
<i>remediorum</i> Woods.		PROV: cc ch pa	000m: 0-1	RANGE: end	climber
<i>tysonii</i> A. Gentry		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>wedelii</i> Woods.		PROV: bo	000m: 0-1	RANGE: end	climber
<i>Rauvolfia</i>					
* <i>aphlebia</i> (Standl.) A. Gentry		PROV: ch ch da sa vr	000m: 0-1, 1-2	RANGE: col cr	herb
<i>littoralis</i> Rusby		PROV: ca cc ch cn da pa	000m: 0-1	RANGE: col cr ecu	shrub
* <i>macrantha</i> Markgr.		PROV: cc	000m: 0-1	RANGE: per sao	tree
<i>purpurascens</i> Standl.		PROV: bo vr	000m: 0-1	RANGE: end	climber?
<i>tetraphylla</i> L.		PROV: ca cc da he lo pa	000m: 0-1	RANGE: ang asi cag mex oce sag?	shrub
<i>Rhabdadenia</i>					
<i>biflora</i> (Jacq.) Muell.-Arg.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: cag? fla gag sag?	climber
<i>Stemmadenia</i>					
<i>alfari</i> (J.D. Sm.) Woods.		PROV: cc pa	000m: 0-1	RANGE: cr	tree
<i>allenii</i> Woods.		PROV: cc pa vr	000m: 0-1	RANGE: end	tree
<i>donnell-smithii</i> (Rose) Woods.		PROV: bo ch	000m: 0-1	RANGE: cag mex	shrub tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

246

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
247 (162) APOCYNACEAE cont.					
grandiflora (Jacq.) Miers		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: cr mex nic sag?	shrub tree
lagunae Woods.		PROV: bo	000m: 0-1	RANGE: end	tree
macrantha Standl.		PROV: bo	000m: 0-1	RANGE: end	tree
*minima A. Gentry		PROV: ca cc cn pa vr	000m: 0-1	RANGE: end	shrub
obovata (Benth.) Woods.		PROV: lo	000m: 0-1	RANGE: bol cag ecu mex nic	tree
Stenosolen holothuria Markgr.		PROV: da pa	000m: 0-1	RANGE: end	shrub
Tabernaemontana amygdalifolia Jacq.		PROV: pa vr	000m: 0-1	RANGE: cag col mex ven	shrub tree
arborea Rose		PROV: bo ca da pa sa	000m: 0-1	RANGE: bel gua	tree
chrysocarpa Blake		PROV: bo cc ch da	000m: 0-1,1-2	RANGE: cag	shrub tree
*divaricata R. & S.	cult.	PROV: ca pa	000m: 0-1	RANGE: asi	shrub
*gentriana L. Allorge		PROV: ch pa	000m: 0-1,1-2	RANGE: end	shrub
*longipes J.D. Sm.		PROV: cc	000m: 0-1	RANGE: cr	shrub
*marckgarviana Macbr.		PROV: da	000m: we	RANGE: per sao	shrub?
*panamensis (Markgr., Boit. & A. Allorge)	cult.	PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: ang col ecu per sao	tree shrub
pendula Woods.		PROV: cc cn	000m: 0-1	RANGE: end	shrub
sananho R. & P.		PROV: sa	000m: 0-1	RANGE: sag	tree shrub
undulata Vahl		PROV: cc cn pa sa	000m: 0-1	RANGE: cr gui per sao trt	shrub
Thevetia ahouai (L.) A. DC.		PROV: bo ca ch cn da he lo pa sa vr	000m: 0-1	RANGE: cag mex sag?	tree shrub
peruviana (Pers.) Schum.	cult.	PROV: ca cc cn da pa sa	000m: 0-1	RANGE: nwt	tree shrub
Tonduzia longifolia (A. DC.) Markgr.		PROV: ch	000m: 1-2	RANGE: cag mex	shrub tree
Vinca minor L.	intr. cult.	PROV: wp	000m: 0-1	RANGE: owg	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
248 (163) ASCLEPIADACEAE					
<i>Asclepias</i>					
<i>curassavica</i> L.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1,1-2	RANGE: ang cag fla sag	herb
* <i>physocarpus</i> Schltr.		PROV: ca	000m: 0-1	RANGE: hon mex	herb
<i>Blepharodon</i>					
<i>mucronatum</i> (Schlecht.) Decne.		PROV: ca cc ch cn da pa vr	000m: 0-1,1-2	RANGE: cag mex sag?	climber
<i>Calotropis</i>					
<i>procera</i> (Ait.) Ait. f.		PROV: lo pa	000m: 0-1	RANGE: ang asi cr gua hon sag sal	herb subshrub
<i>Cryptostegia</i>					
* <i>grandiflora</i> R. Br.		intr. cult. PROV: da	000m: 0-1	RANGE: afr	shrub
<i>madagascariensis</i> Decne.		intr. PROV: ca pa	000m: 0-1	RANGE: afr	climber shrub
<i>Cynanchum</i>					
<i>cubense</i> (A. Rich.) Woods.		PROV: ca cc pa	000m: 0-1	RANGE: col cub mex	climber
<i>glaberrimum</i> (Woods.) L.O. Wms.		PROV: ch	000m: 1-2	RANGE: col cr	climber
<i>infimicola</i> L.O. Wms.		PROV: ca cc pa	000m: 0-1	RANGE: end	climber
<i>magdalenicum</i> Dugand		PROV: ca pa	000m: 0-1	RANGE: col	climber
* <i>montevidense</i> Spr.		PROV: pa	000m: 0-1	RANGE: col	climber
<i>Fischeria</i>					
<i>blepharopetala</i> Blake		PROV: ca cn da pa sa	000m: 0-1	RANGE: col cr	climber
* <i>brachycalyx</i> L.O. Wms.		PROV: vr	000m: 0-1,1-2	RANGE: cr	climber
<i>panamensis</i> Spellman		PROV: bo ca cc cn pa	000m: 0-1	RANGE: cr nic	climber
* <i>scandens</i> DC.		PROV: da	000m: 0-1,1-2	RANGE: bel col cub ecu gua jam mex	climber
<i>Gonolobus</i>					
<i>albomarginatus</i> (Pitt.) Woods.		PROV: bo ca cc vr	000m: 0-1	RANGE: col cr	climber
<i>allenii</i> Woods.		PROV: ca cc pa	000m: 0-1	RANGE: end	climber
<i>chiriquensis</i> (Woods.) Woods.		PROV: ch	000m: 1-2	RANGE: end	climber
<i>edulis</i> Hemsl.		PROV: ch	000m: 1-2	RANGE: cr	climber
* <i>eriocladon</i> Benth.		PROV: cn	000m: 0-1	RANGE: col ven	climber
<i>fuscoviolaceus</i> Woods.		PROV: ch	000m: 1-2	RANGE: end	climber
* <i>heterophyllus</i> (Hemsl.) Stevens		PROV: da	000m: 0-1	RANGE: nic	climber
<i>inaequalis</i> L.O. Wms.		PROV: ca pa	000m: 0-1	RANGE: col	climber
<i>lewisii</i> L.O. Wms.		PROV: da lo	000m: 0-1	RANGE: end	climber
<i>ophioglossa</i> Woods.		PROV: bo cc cn pa vr	000m: 0-1	RANGE: end	climber
* <i>rothschuhii</i> Schltr.		PROV: da	000m: 1-2	RANGE: cr gua? hon nic	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
248 (163) ASCLEPIADACEAE cont.					
Hoya					
carnosa (L.) R. Br.		intr. cult.			
		PROV: ca	000m: 0-1	RANGE: cag sat	climber
Marsdenia					
crassipes Hemsl.		PROV: ca pa sa	000m: 0-1	RANGE: end	climber
dressleri Spellman		PROV: pa	000m: 0-1	RANGE: end	climber
maculata Hook. f.		PROV: bo ca da lo pa	000m: 0-1	RANGE: cag col gua lag ven	climber
margaritaria Foster		PROV: cc pa	000m: 0-1	RANGE: end	climber
panamensis Spellman		PROV: lo	000m: 0-1	RANGE: end	climber
rotheana Woods.		PROV: cc	000m: 0-1	RANGE: col	climber
trivirgulata Bartlett		PROV: ca he	000m: 0-1	RANGE: cr hon mex	climber
Matelea					
brasiliensis (Schltr.) Spellman		PROV: bo pa	000m: 0-1,2-3	RANGE: per sao	climber
*denticulata (Vahl) Fontella & Schwarz		PROV: bo ca ch da pa	000m: 0-1	RANGE: col cr ecu gui sao	climber
		vr		ven	
maritima (Jacq.) Woods.		PROV: cc cn he lo pa	000m: 0-1	RANGE: ang col ven	climber
mediocris Woods.		PROV: cn pa	000m: 0-1	RANGE: col gui per sag ven	climber
panamensis Spellman & Dwyer		PROV: cc pa	000m: 0-1	RANGE: end	climber
pinguifolia (Standl.) Woods.		PROV: ca ch pa	000m: 0-1,1-2	RANGE: col cr sag sao trt	climber
pittieri (Standl.) Woods.		PROV: ch	000m: 1-2	RANGE: end	climber
*pseudobarbata (Pitt.) Woods.		PROV: ch	000m: 1-2	RANGE: cr	climber
trianae (Trin.) Spellman		PROV: ca cc da lo pa	000m: 0-1	RANGE: col cr ven	climber
		vr			
tristis (Seem.) Spellman		PROV: vr	000m: 0-1	RANGE: end	shrub
*viridis (Mold.) Spellman		PROV: vr	000m: 0-1	RANGE: col	climber
Oxypetalum					
cordifolium (Vent.) Schltr.		PROV: pa	000m: 0-1	RANGE: ang cag mex sag	climber
Sarcostemma					
bilobum Hook. & Arn.		PROV: bo da pa	000m: 0-1	RANGE: cag col mex ven	climber
clausum (Jacq.) R. & S.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang cag mex nwt sag	climber
		da he lo pa			
glaucum H.B.K.		PROV: cc da lo pa	000m: 0-1	RANGE: col cr per ven	climber
Stephanotis					
floribunda Brongn.		intr. cult.			
		PROV: ca	000m: 0-1	RANGE: afr ang	climber
*Tassadia					
*obovata Decne.		PROV: ca pa	000m: 0-1	RANGE: col cr sag sao	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
249 (164) CONVOLVULACEAE					
Aniseia					
martinicensis (Jacq.) Choisy					
*--var. nitens (Choisy) O'Donnell		PROV: ca cc he lo pa	000m: 0-1	RANGE: ang cr fla sag	climber
Argyreia					
nervosa (Burm. f.) Boj. intr. cult.		PROV: ca	000m: 0-1	RANGE: wdw	climber
Bonamia					
sulphurea (Brandeg.) Myint & Ward		PROV: lo	000m: 0-1	RANGE: cr gua hon mex	climber
trichantha Hall. f.		PROV: ca da lo pa	000m: 0-1	RANGE: col ven	climber
Cuscuta					
woodsonii Yuncker		PROV: ch	000m: 1-2	RANGE: end	climber
Dichondra					
sericea Sw.		PROV: sa	000m: 0-1	RANGE: cr gua ven	herb
Evolvulus					
alsinoides (L.) L.		PROV: ca cc ch he lo vr	000m: 0-1	RANGE: cag nag owg sag	herb
filipes Mart.		PROV: ca cc pa	000m: 0-1	RANGE: cag jam mex sag	herb
nummularius (L.) L.		PROV: ca cc ch da he lo pa	000m: 0-1	RANGE: ang cag mex owg sag	herb
ovatus Fern.		PROV: cc	000m: 0-1	RANGE: col gua mex sao ven	herb
sericeus Sw.		PROV: cc pa	000m: 0-1	RANGE: ang cag mex sag	herb
tenuis Choisy		PROV: ca pa	000m: 0-1	RANGE: cag mex sag sao	herb
Ipomoea					
alba L.		PROV: bo ca cc da he lo pa	000m: 0-1	RANGE: wdw	climber
anisomeres Rob. & Bartl.		PROV: ca	000m: 0-1	RANGE: gua mex	climber
aquatica Forssk.		PROV: bo ca	000m: 0-1	RANGE: ang bel cr gua owg	climber
asarifolia (Desr.) R. & S.		PROV: ca cc da he pa	000m: 0-1	RANGE: afr ang asi gua hon	climber
batatas (L.) Lam. cult.		PROV: ca cc ch cn da pa sa vr	000m: 0-1	RANGE: mex sag wdw	climber
batatoides Choisy		PROV: bo ca cc ch cn pa vr	000m: 0-1	RANGE: bel cr gua mex sag	climber
capillacea (H.B.K.) G. Don		PROV: ch	000m: 1-2	RANGE: cag nag sag	herb
carnea Jacq.		PROV: ca cc da lo pa vr	000m: 0-1	RANGE: nwg	shrub
chiriquiensis Standl.		PROV: ch	000m: 1-2	RANGE: end	climber
*dumosa Benth.		PROV: ch	000m: we	RANGE: mex	climber
hederifolia L.		PROV: bo ca cc ch lo pa	000m: 0-1	RANGE: ang cag mex nag sag	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
249 (164) CONVOLVULACEAE cont.					
*imperati (Vahl) Griseb.		PROV: bo ca cn vr	000m: 0-1	RANGE: wdw	climber
indica (Burm. f.) Merr.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: sat	climber
lindenii Mart. & Gal.		PROV: ca lo pa	000m: 0-1, 1-2	RANGE: mex	climber
mauritiana Jacq.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: wdw	climber
meyeri (Spr.) G. Don		PROV: ca ch he pa vr	000m: 0-1	RANGE: ang cag mex sag	climber
minutiflora (Mart. & Gal.) House		PROV: ca pa	000m: 0-1	RANGE: cag mex sag	climber
mirandina (Pitt.) O'Donell		PROV: ca da pa vr	000m: 0-1	RANGE: ven	climber
neei (Spr.) O'Donell		PROV: ch	000m: 1-2	RANGE: cag mex	climber
nii (L.) Roth		PROV: ca ch lo pa	000m: 0-1	RANGE: wdw	climber
pes-caprae (L.) R. Br.		PROV: bo ca cc cn lo pa vr	000m: 0-1	RANGE: ang wdw	climber
phillomega (Vell.) House		PROV: bo ca cn da pa vr	000m: 0-1	RANGE: bel cag? gua gui lag per sag?	climber
purpurea (L.) Roth		PROV: ch	000m: 0-1	RANGE: wdw	climber
quamoclit L.		PROV: bo ca ch pa sa	000m: 0-1	RANGE: cag mex wdw	climber
*ramosissima (Poir.) Choisy		PROV: da	000m: we	RANGE: cr gua per sag	climber
setifera Poir.		PROV: ch	000m: 0-1	RANGE: afr ang bel cr gua nic sag	climber
setosa Ker.		PROV: lo	000m: 0-1	RANGE: cag mex sag	climber
squamosa Choisy		PROV: ca ch cn pa	000m: 0-1	RANGE: cag mex sag	climber
tiliacea (Willd.) Choisy		PROV: bo ca cc cn he sa vr	000m: 0-1	RANGE: ang cag fla mex sag	climber
trifida (H.B.K.) G. Don		PROV: ca cc ch he lo pa	000m: 0-1	RANGE: ang bel col cr hon mex ven	climber
tuxtlensis House		PROV: cn da pa	000m: 0-1	RANGE: bel gua mex	climber
violacea L.		PROV: cn sa	000m: 0-1	RANGE: nwt	climber
Iseia					
luxurians (Moric.) O'Donell		PROV: ca da he pa	000m: 0-1	RANGE: col hon sag sao trt ven	climber
Jacquemontia					
agrestis (Choisy) Meisn.		PROV: lo	000m: 0-1	RANGE: cag cub nao sag sao	climber
ciliata Sandw.		PROV: bo ca cn lo pa	000m: 0-1	RANGE: ang cag sat	climber
gracillima (Choisy) Hall. f.		PROV: cc	000m: 0-1	RANGE: sao	climber
pentantha (Jacq.) G. Don		PROV: ca cc cn da he lo pa vr	000m: 0-1	RANGE: ang bel cr fla gua mex sag	climber
sphaerostigma (Cav.) Rusby		PROV: ca cc pa	000m: 0-1	RANGE: bel bol cr gua hon mex per sao ven	climber
tamnifolia (L.) Griseb.		PROV: ca cc pa vr	000m: 0-1	RANGE: bel cr gag gua hon mex nag?	climber
Maripa					
*lewisii Austin		PROV: cn pa sa	000m: 0-1	RANGE: end	climber
nicaraguensis Hemsl.		PROV: bo ca cc ch cn da pa vr	000m: 0-1	RANGE: bel col cr ecu gua nic	climber
panamensis Hemsl.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: col cr ven	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
249 (164) CONVULVULACEAE cont.					
<i>Merremia</i>					
<i>aegyptia</i> (L.) Urb.		PROV: ca cc ch da he lo pa	000m: 0-1	RANGE: ang cag mex owg sag	climber
<i>dissecta</i> (Jacq.) Hall. f.		PROV: bo ca ch	000m: 0-1	RANGE: ang cag fla mex sag	climber
<i>quinquefolia</i> (L.) Hall. f.		PROV: ca cc ch he lo pa	000m: 0-1	RANGE: ang cag fla mex sag	climber
<i>tuberosa</i> (L.) Rendl.		PROV: bo ca cn pa	000m: 0-1	RANGE: ang cag fla mex owg sag	climber
<i>umbellata</i> (L.) Hall. f.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: ang cag fla mex owg sag	climber
<i>*Odonellia</i>					
<i>*hirtiflora</i> (Mart. & Gal.) K. Robertson		PROV: ca ch da he pa vr	000m: 0-1	RANGE: bel col cr ecu gua mex ven	climber
<i>Operculina</i>					
<i>codonantha</i> (Benth.) Hall. f.		PROV: ca	000m: 0-1	RANGE: ecu per	climber
<i>*hamiltonii</i> (G. Don) Austin & Staples		PROV: ca pa vr	000m: 0-1	RANGE: ang per sao	climber
<i>pteripes</i> (G. Don) O'Donnell		PROV: ca cc he pa	000m: 0-1	RANGE: cag col mex per	climber
<i>Stictocardia</i>					
<i>tiliifolia</i> (Desr.) Hall. f. cult.		PROV: pa	000m: 0-1	RANGE: wdw	climber
<i>Turbina</i>					
<i>abutiloides</i> (H.B.K.) O'Donnell		PROV: cc lo	000m: 0-1	RANGE: col ecu ven	climber
<i>corymbosa</i> (L.) Raf.		PROV: bo ca da pa	000m: 0-1	RANGE: ang cag fla mex sag	climber
250 (165) POLEMONIACEAE					
<i>Cobaea</i>					
<i>*minor</i> Mart. & Gal.		PROV: ch	000m: 1-2	RANGE: cr	climber
<i>panamensis</i> Standl. cult.		PROV: ch	000m: 1-2	RANGE: nwt	climber
<i>Loeselia</i>					
<i>ciliata</i> L.		PROV: ca cc	000m: 0-1	RANGE: cag mex nao sag?	shrub
<i>glandulosa</i> (Cav.) G. Don		PROV: ch	000m: 1-2	RANGE: cag mex sag?	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
251 (166) HYDROPHYLLACEAE					
Hydrolea spinosa L.		PROV: bo ca he pa	000m: 0-1,1-2	RANGE: ang cag col ecu mex sao sao	herb
Wigandia *urens (R. & P.) H.B.K.		PROV: ch da lo vr	000m: 0-1,1-2	RANGE: cag col mex ven	herb
252 (167) BORAGINACEAE					
Bourreria *costaricensis (Standl.) A. Gentry		PROV: bo	000m: 0-1	RANGE: cr	tree
oxyphylla Standl.		PROV: cn da sa	000m: 0-1	RANGE: bel hon	tree
panamensis I.M. Johnst.		PROV: bo he lo	000m: 0-1	RANGE: end	tree
Cordia alliadora (R. & P.) Oken		PROV: bo ca ch cn da he lo pa sa	000m: 0-1	RANGE: cag mex sat	tree
bicolor A. DC.		PROV: ca da pa vr	000m: 0-1	RANGE: ang? cag sag?	tree
bifurcata R. & S.		PROV: bo da	000m: 0-1	RANGE: cr sag?	shrub
*collococco L.		PROV: cc	000m: 0-1	RANGE: ant cag mex sat	treelet
curassavica (Jacq.) R. & S.		PROV: bo ca cc cn he lo pa sa vr	000m: 0-1	RANGE: ang cag mex sag?	shrub
dentata Poir.		PROV: he lo vr	000m: 0-1	RANGE: ang cag mex sag?	tree
diversifolia DC.		PROV: bo ca	000m: 0-1	RANGE: cag col mex	shrub
dwyeri Nowicke		PROV: cn cn pa	000m: 0-1	RANGE: col cr	tree
*erlostigma Pitt.		PROV: cc pa	000m: 0-1	RANGE: cag col mex	shrub
globosa (Jacq.) H.B.K.		PROV: pa	000m: 0-1	RANGE: ang cag mex sao ven	shrub
inermis (Mill.) I.M. Johnst.		PROV: pa	000m: 0-1	RANGE: cag col mex	shrub
lasiocalyx Pitt.		PROV: ca cc da pa	000m: 0-1	RANGE: end	tree
*linnaei (L.) Stearn		PROV: ca cn da pa sa vr	000m: 0-1	RANGE: ang cag mex sat	shrub
lucidula I.M. Johnst.		PROV: bo sa	000m: 0-1	RANGE: cr	tree
*megalantha Blake		PROV: ch	000m: 0-1	RANGE: cag mex	tree
panamensis Riley		PROV: ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: cag col? ecu? sal	shrub
porcata Nowicke		PROV: cc cn lo sa	000m: 0-1	RANGE: end	tree
protracta I.M. Johnst.		PROV: sa	000m: 0-1	RANGE: end	shrub
sebestena L.		PROV: pa sa	000m: 0-1	RANGE: ang bah cag mex ven	shrub
*sericalyx DC.		PROV: cn pa	000m: 0-1	RANGE: sat	tree
spinescens L.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: bol cag cag col sag	shrub
*toqueve Aubl.		PROV: ca	000m: 0-1	RANGE: wr	tree
					treelet

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
252 (167) BORAGINACEAE cont.					
Cynoglossum amabile Stapf & Drum. *officinale L.		PROV: ch PROV: ch	000m: 1-2,2-3 000m: 1-2,2-3	RANGE: asi cag RANGE: eur	herb herb
Ehretia austin-smithii Standl.		PROV: ch	000m: 1-2	RANGE: cr	tree
Hackelia mexicana (Schlecht. & Cham.) I.M.		Johnst. PROV: ch	000m: 1-2,2-3,3+	RANGE: cag mex	herb
Heliotropium curassavicum L. indicum L.		PROV: lo PROV: bo ca cc da lo pa vr	000m: 0-1 000m: 0-1	RANGE: nwg RANGE: nwg	herb herb
procumbens Mill.		PROV: lo	000m: 0-1	RANGE: nwg	herb
*Moritzia *lindenii Benth.		PROV: ch	000m: 3+	RANGE: cr ecu ven	herb
Tournefortia angustiflora R. & P.		PROV: bo ca cc cn da he lo pa sa	000m: 0-1	RANGE: cag? hon per sag	shrub
bicolor Sw.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: nwt	shrub climber
*brenesii Standl. cuspidata H.B.K.		PROV: vr PROV: bo ca cc cn da pa sa	000m: 0-1 000m: 0-1	RANGE: cr RANGE: ang cag sag	shrub shrub
glabra L.		PROV: bo cc ch da pa sa vr	000m: 0-1,1-2	RANGE: ang cag mex	shrub tree
hirsutissima L.		PROV: bo ca ca ch cn da pa	000m: 0-1,1-2	RANGE: bol cag per ven	shrub climber
johnstonii Standl. maculata Jacq.		PROV: ch pa PROV: ca cc ch cn da lo pa sa vr	000m: 0-1,1-2,2-3 000m: 0-1,1-2	RANGE: cr RANGE: ang cag mex per sag	shrub shrub tree
*ramonensis Standl.		PROV: ch	000m: 1-2	RANGE: cr	shrub
*tacarcunensis A. Gentry & Nowicke		PROV: da	000m: 1-2	RANGE: col	herb
volubilis L.		PROV: lo pa	000m: 0-1	RANGE: ang cag fla mex sag	climber

253 (168, 168A) VERBENACEAE

Aegiphila anomala Pitt.		PROV: ca cc pa vr	000m: 0-1	RANGE: cr	tree
cephalophora Standl. costaricensis Mold.		PROV: ca da pa PROV: bo cc da	000m: 0-1,1-2 000m: 0-1,1-2	RANGE: col cr RANGE: cr mex ven	shrub climber shrub tree

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
253 (168, 168A) VERBENACEAE cont.					
deppeana Steud.		PROV: ch lo vr	000m: 0-1	RANGE: cag col gui mex sag?	shrub tree
elata Sw.		PROV: ca ch cn da pa	000m: 0-1	RANGE: ang bel cag col cr	shrub climber
falcata J.D. Sm.		PROV: bo ca cc pa	000m: 0-1	RANGE: cub gui his hon mex ven	shrub tree
filipes Schau.		PROV: da pa	000m: 0-1	RANGE: cag col mex	shrub tree
glandulifera Mold.		PROV: bo ca	000m: 0-1	RANGE: bol per sag? sao	shrub tree
hirsutissima Mold.		PROV: da sa	000m: 0-1	RANGE: per sag? sao	shrub tree climber
hoehnei Mold.				RANGE: ven	shrub climber
--var. spectabilis Mold.		PROV: cn pa	000m: 0-1	RANGE: col	shrub climber
integrifolia Jacks.		PROV: da	000m: 0-1	RANGE: bol per sao trt ven	shrub tree
laeta H.B.K.		PROV: ca da pa sa	000m: 0-1	RANGE: col ven	shrub tree
*laevis (Aubl.) Gmel.		PROV: pa	000m: 0-1	RANGE: gui	climber
magnifica Mold.		PROV: bo pa	000m: 0-1	RANGE: cag? gua	shrub climber
--var. pubescens Mold.		PROV: ca	000m: 0-1	RANGE: cr	shrub climber
martinicensis Jacq.		PROV: bo ca	000m: 0-1	RANGE: ang col cr trt ven	shrub tree
mollis H.B.K.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: bol sag?	shrub tree
odontophylla J.D. Sm.		PROV: bo	000m: 1-2	RANGE: col cr ven	shrub tree
panamensis Mold.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cag col cr mex	shrub tree
*pauciflora Standl.		da pa sa	000m: 1-2	RANGE: wr	treelet
pendula Mold.		PROV: da	000m: 0-1	RANGE: ecu per ven	shrub
PROV: ca					
*Aloysia					
*virgata Juss.					
*--var. platyphylla (Briq.) Mold.		PROV: he pa	000m: 0-1	RANGE: sat	herb shrub
Callicarpa					
acuminata H.B.K.		PROV: bo cn da pa sa	000m: 0-1	RANGE: bol cag? mex sag?	shrub tree
vr					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
253 (168, 168A) VERBENACEAE cont.					
<i>Citharexylum</i>					
caudatum L.		PROV: bo ca cc cn pa	000m: 0-1	RANGE: ang bah cag col mex	shrub
		sa		per	tree
cooperi Standl.		PROV: bo	000m: 0-1	RANGE: cr	shrub
					tree
donnell-smithii Greenm.		PROV: ch	000m: 1-2,2-3	RANGE: cag mex	tree
					shrub
*hirtellum Standl.					
*--var. guatemalense Mold.		PROV: ch	000m: we	RANGE: gua	shrub
					tree
lankesteri Mold.		PROV: ch	000m: 1-2	RANGE: cag? sal	shrub
					tree
macradenium Greenm.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr El Va	tree
macrochlamys Pitt.		PROV: cn da	000m: 0-1	RANGE: col	tree
recurvatum Greenm.		PROV: ch pa	000m: 0-1,1-2	RANGE: cr	shrub
					tree
*spinosum L.		PROV: cn	000m: 0-1	RANGE: ang	shrub
viride Mold.		PROV: bo ch	000m: 1-2	RANGE: cr	shrub
					tree
<i>Clerodendrum</i>					
ligustrinum (Jacq.) R. Br.		PROV: cn pa	000m: 0-1	RANGE: cag mex	shrub
					tree
--var. nicaraguense Mold.		PROV: bo ca cn	000m: 0-1	RANGE: cag hon nic	shrub
					tree
molle H.B.K.		PROV: pa	000m: 0-1	RANGE: ecu gal sag?	shrub
paniculatum L.	intr. cult.	PROV: ca	000m: 0-1	RANGE: asi oce	herb
					shrub
philippinum Schau.	intr. cult.	PROV: bo da vr	000m: 0-1,2-3	RANGE: ang asi cag mex nag?	subshrub
				sag sao	
pittieri Mold.		PROV: cc ch pa	000m: 0-1	RANGE: cag ecu gua ven	shrub
thomsonae Balf. f.	intr. cult.	PROV: ca pa	000m: 0-1	RANGE: afr	climber
*Congea					
*tomentosa Roxb.	intr. cult.	PROV: ca	000m: 0-1	RANGE: ang asi cag	herb
					shrub
*velutina Wight	intr. cult.	PROV: ca	000m: 0-1	RANGE: asi cag nao	climber
<i>Cornutia</i>					
grandifolia (Schlecht. & Cham.) Schau.	cult.	PROV: ca cc pa	000m: 0-1	RANGE: cag mex	shrub
					tree
--var. intermedia Mold.		PROV: bo ca cc da pa	000m: 0-1	RANGE: cag? gua	shrub
		vr			tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
253 (168, 168A) VERBENACEAE cont.					
--var. normalis (Kuntze) Mold.		PROV: bo ca cc ch lo	000m: 0-1	RANGE: cr	shrub
microcalycina Mold.		pa vr PROV: da	000m: 0-1	RANGE: per sag?	tree shrub
--var. anomala Mold.		PROV: da	000m: 0-1	RANGE: col	tree
--var. pulverulenta Mold.		PROV: ca cc da	000m: 0-1	RANGE: ecu sag?	shrub shrub
Duranta					
costaricensis (J.D. Sm.) Standl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
erecta L.	cult.	PROV: bo ca cc ch lo	000m: 0-1,1-2	RANGE: cag cal fla per sag	tree shrub
repens		pa		sao tex	tree
--var. alba Bailey & Bailey	cult.	PROV: pa	000m: 0-1	RANGE: wdt	shrub
--var. microphylla (Desf.) Mold.	cult.	PROV: pa	000m: 0-1	RANGE: gal	tree shrub
*Holmskioldia					
*sanguinea Retz.	intr. cult.	PROV: cc pa	000m: 0-1	RANGE: afr asi cag mex	herb climber
Lantana					
camara L.		PROV: ca cc cn da he	000m: 0-1	RANGE: ang bol cag? col fla	shrub
--var. aculeata (L.) Mold.		lo pa sa vr PROV: ch pa	000m: 0-1,1-2	RANGE: per sag sao sao afr asi cag eur fla	herb shrub
--var. mista (L.) L.H. Bailey		PROV: cn pa vr	000m: 0-1	RANGE: mex oce sag sao	shrub
*--var. moritziana (Otto & Dietr.) Lopez-Palacios		PROV: cn pa	000m: 0-1	RANGE: ang cag nag sat	shrub
costaricensis Hayek		PROV: ch	000m: 1-2,2-3	RANGE: wr	shrub
glandulosissima Hayek				RANGE: cag cr mex	herb shrub
--var. glandulosissima		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: cag cub mex pr sag?	subshrub
*--var. grandis Mold.		PROV: ca cn	000m: 0-1	RANGE: end	herb
*--var. parvifolia Mold.		PROV: pa	000m: 0-1	RANGE: mex	shrub
grosseserrata Mold.		PROV: cc	000m: 0-1	RANGE: cr	shrub
hirta Graham		PROV: ch he	000m: 0-1,1-2	RANGE: cag mex	bushy shrub
*--var. pubescens Mold.		PROV: ch	000m: we	RANGE: wr	shrub
hispida H.B.K.		PROV: bo ca ch cn da	000m: 0-1,1-2	RANGE: cag mex ven	subshrub
*--fo. parvifolia Mold.		lo pa sa vr			shrub
involucrata L.		PROV: cc pa vr	000m: we	RANGE: hon	herb
--fo. rubella Mold.		PROV: sa	000m: 0-1	RANGE: fla his	shrub
maxima Hayek		PROV: cc ch pa sa	000m: 0-1,1-2	RANGE: per sag? sao trt ven	herb shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
253 (168, 168A) VERBENACEAE cont.					
moritziana Otto & Dietr.		PROV: bo ca cc ch cn he pa	000m: 0-1,1-2	RANGE: cag mex per sag? sao	bushy shrub
trifolia L.		PROV: bo ca ch	000m: 0-1	RANGE: bol cag cub mex per sag sao	herb
--fo. hirsuta Mold.		PROV: ch cn he pa sa	000m: 0-1	RANGE: ang asi bol cag cub mex nao per sag? sao	herb
--fo. oppositifolia Mold.		PROV: bo ca ch cn he pa vr	000m: 0-1,1-2	RANGE: wdt	herb
velutina Mart. & Gal.		PROV: ch pa	000m: 0-1,1-2	RANGE: cag mex tex ven	shrub
--fo. violacea Mold.		PROV: pa	000m: 0-1	RANGE: wdt	herb
Lippia					
alba Britt. & Wils.	cult.	PROV: ch cn pa vr	000m: 0-1	RANGE: ang cag mex sag? sao	herb shrub subshrub
americana L.		PROV: he lo	000m: 0-1	RANGE: per sag?	herb
cardiostegia Benth.		PROV: ch	000m: 1-2	RANGE: cag mex	bushy shrub tree
*controversa Mold.		PROV: cc he	000m: 0-1	RANGE: cr mex	shrub
costaricensis Mold.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	tree
*liberiensis Mold.		PROV: vr	000m: 0-1	RANGE: wr	shrub
*myriocephala Schlecht. & Cham.		PROV: ch	000m: 1-2	RANGE: cag? cr gua hon mex	tree
oxyphyllaria (J.D. Sm.) Standl.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cr	shrub tree
torresii Standl.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	tree
Petrea					
aspera Turcz.	cult.	PROV: ca da lo pa sa vr	000m: 0-1	RANGE: ang cag sag? sao	climber
--fo. albiflora Mold.		PROV: sa	000m: 0-1	RANGE: nwt	shrub
*morii Mold.		PROV: sa	000m: 0-1	RANGE: end	climber
rugosa H.B.K.					
--var. casta Mold.	intr. cult.	PROV: ca	000m: 0-1	RANGE: sat?	shrub
--var. rugosa	intr. cult.	PROV: ca	000m: 0-1	RANGE: col ecu ven	shrub
volubilis L.	cult.	PROV: ca pa sa	000m: 0-1	RANGE: cag cub mex	climber subshrub
--var. pubescens Mold.	cult.	PROV: vr	000m: we	RANGE: cag mex	climber subshrub
Phyla					
betulaefolia (H.B.K.) Greene		PROV: ca cn pa	000m: 0-1	RANGE: bel cag? cub gua sag? sao	herb
incisa Small		PROV: ca cn	000m: 0-1	RANGE: cag cal mex nag? nao	herb
nodiflora (L.) Greene					
--var. longifolia Mold.		PROV: bo ca ch cn pa vr	000m: 0-1	RANGE: cag col mex nao per tex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
253 (168, 168A) VERBENACEAE cont.					
--var. nodiflora		PROV: ca vr	000m: 0-1	RANGE: nwt owt wdt	herb
scaberrima (A. Juss.) Mold.		PROV: ca ch pa	000m: 0-1, 1-2	RANGE: cag cub mex ven	shrub
strigulosa (Mart. & Gal.) Mold.					
--var. sericea (Kuntze) Mold.		PROV: pa	000m: 0-1	RANGE: bah gag lag mex tex	herb
				trt ven	
--var. strigulosa		PROV: pa	000m: 0-1	RANGE: ang bol cag cub gal	herb
				his mex sag? sao tex	
Priva					
lappulacea (L.) Pers.					
--fo. albiflora Mold.		PROV: bo ca da pa	000m: 0-1	RANGE: ang bol cag fla mex	herb
				nwt per sag sao sat tex	
--fo. lappulacea		PROV: bo ca ch cn da	000m: 0-1	RANGE: ang bol cag fla mex	herb
		he pa		nwt per sag sao sat tex	
Stachytarpheta					
cayennensis (Rich.) Vahl		PROV: ca cc ch cn da	000m: 0-1	RANGE: ang cag gag mex per	herb
		pa vr		sag? sao	shrub
*--fo. purpurea Mold.		PROV: pa	000m: 0-1	RANGE: end	shrub
guatemalensis Mold.		PROV: cc da pa	000m: 0-1	RANGE: cag mex	herb
					shrub
jamaicensis (L.) Vahl		PROV: bo ca ch cn da	000m: 0-1, 1-2	RANGE: afr ang asi cag ecu	herb
		lo pa sa vr		mex nao oce sao	
*--subsp. atrocoerulea Mold.		PROV: cn pa	000m: 0-1	RANGE: wr	herb
*mutabilis (Jacq.) Vahl		PROV: pa	000m: 0-1	RANGE: cag sat	shrub
*Tamonea					
*spicata Aubl.		PROV: cn pa	000m: 0-1	RANGE: gui	herb
Tectona					
grandis L. f.		intr. cult.			
		PROV: ca	000m: 0-1	RANGE: asi cr	tree
Verbena					
hybrida Rumph.		intr. cult.			
		PROV: pa	000m: 0-1	RANGE: wdw	herb
litoralis H.B.K.		PROV: ch pa	000m: 0-1, 1-2, 2-3	RANGE: afr cag cal nag? nao	herb
				nao oce sag	
*parvula Hayek		PROV: ch	000m: 2-3	RANGE: bol	herb
Vitex					
cooperi Standl.		PROV: ca ch da vr	000m: 0-1	RANGE: cag? gua	tree
cymosa Spr.		PROV: da	000m: 0-1	RANGE: bol sag? sao	tree
floridula Duchass. & Walp.		PROV: ca da pa	000m: 0-1	RANGE: end	tree
masoniana Pitt.		PROV: da pa	000m: 0-1	RANGE: col	tree
parviflora A. Juss.		intr. cult.			
		PROV: bo	000m: 0-1	RANGE: asi	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
253a (168a) AVICENNIACEAE					
Avicennia					
bicolor Standl.		PROV: ca cc cn da lo pa	000m: 0-1	RANGE: cag mex	shrub tree
germinans (L.) L.		PROV: bo ca cc cn lo pa sa	000m: 0-1	RANGE: ang bah cag fla gal mex per sag? sao tex	shrub tree
tonduzii Mold.		PROV: pa	000m: 0-1	RANGE: col cr	tree
254 (169) LABIATAE					
Cunila					
polyantha Benth.		PROV: ch	000m: 1-2	RANGE: cag mex	shrub
Hyptis					
atrorubens Poit.		PROV: bo	000m: 0-1	RANGE: afr ang gua mex sag	herb
brachiata Briq.		PROV: ca cc ch he pa vr	000m: 0-1	RANGE: col cr ven	herb subshrub
brevipes Poit.		PROV: ca cn pa	000m: 0-1	RANGE: asi mex nwt per sao	herb
capitata Jacq.		PROV: bo ca cc ch da lo pa sa vr	000m: 0-1	RANGE: afr asi cag col ecu	herb
conferta Benth.		PROV: ch pa	000m: 0-1	RANGE: bol cag col mex sao	herb
dilatata Benth.		PROV: cc he vr	000m: 0-1	RANGE: sat ven col sao ven	herb subshrub
lantaniifolia Poit.		PROV: cc ch pa	000m: 0-1	RANGE: ang bol cag mex sag sao	herb
mutabilis (A. Rich.) Briq.		PROV: ca cc ch da he lo pa vr	000m: 0-1	RANGE: afr nwt per	herb
oblongifolia Benth.		PROV: ch pa	000m: 0-1	RANGE: cr gua hon mex nic	shrub tree
obtusiflora Benth.		PROV: bo cc ch cn vr	000m: 0-1,1-2	RANGE: bol col cr ecu nic	herb
pectinata (L.) Poit.		PROV: ca cc ch da he lo pa vr	000m: 0-1,1-2	RANGE: per sag? nwt owt	herb
pulegioides Benth.		PROV: ca ch pa	000m: 0-1	RANGE: cag col sag ven	herb
recurvata Poit.		PROV: bo ca cc ch cn pa vr	000m: 0-1	RANGE: nwt per	herb
savannarum Briq.		PROV: pa	000m: 0-1	RANGE: col cr ecu gua per sal	herb
*sinuata Pohl		PROV: ch	000m: 1-2	RANGE: bol col cr gua hon mex sal sao sat ven	herb
*spicigera Lam.		PROV: pa vr	000m: 0-1	RANGE: afr asi nwt	herb
suaveolens (L.) Poit.		PROV: bo ca cc cc ch da he pa vr	000m: 0-1	RANGE: afr ang asi cag oce per sag wdt	herb
*urticoides H.B.K.		PROV: ch	000m: we	RANGE: cag	shrub
verticillata Jacq.		PROV: bo ca da pa sa	000m: 0-1	RANGE: nwt	herb subshrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
254 (169) LABIATAE cont.					
*vilis Kunth & Bouche		PROV: ch	000m: 1-2	RANGE: cr gua nic ven	subshrub herb
Lepechinia schiodeana (Schlecht.) Vatke		PROV: ch	000m: 0-1,1-2	RANGE: cag	herb
Marsypianthes chamaedrys (Vahl) Kuntze		PROV: ca cc ch cn lo pa vr	000m: 0-1	RANGE: ang cag mex per sag sao	herb
Ocimum					
*basilicum L.		intr. cult. nat.			
		PROV: da sa	000m: 0-1	RANGE: ang cag wdt	herb
*campechianum Mill.		PROV: bo ca da he lo pa sa	000m: 0-1	RANGE: nwt	herb
canum Sims		PROV: da	000m: 0-1	RANGE: nwt wdt	herb
gratissimum L.		PROV: vr	000m: 0-1	RANGE: afr asi cag sag	subshrub
Salvia					
alvajaca Oerst.		PROV: ch da	000m: 1-2	RANGE: cr	subshrub
*lasiocephala Hook. & Arn.		PROV: ca ch da he lo pa sa	000m: 0-1,1-2	RANGE: cag col mex ven	herb
*leucantha Cav.		PROV: ch	000m: 2-3,3+	RANGE: cr hon mex	herb
longimarginata Briq.		PROV: ca cc ch da	000m: 0-1	RANGE: cag col ven	herb
membranacea Benth.		PROV: ch	000m: 0-1,1-2	RANGE: cag mex	herb
micrantha Vahl		PROV: cn pa	000m: 0-1	RANGE: ang fla	herb
occidentalis Sw.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1	RANGE: nwt	herb
polystachya Ort.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag mex	herb
pteroura Briq.		PROV: cc ch	000m: 0-1	RANGE: cr gua sal	herb
trichopes Epling		PROV: ch	000m: 1-2	RANGE: end	subshrub herb
wagneriana Polak.		PROV: ch	000m: 1-2	RANGE: cr gua mex	subshrub herb
Scutellaria					
*costaricana Wendl.		PROV: cc	000m: 0-1	RANGE: cr	shrub
glabra Leonard		PROV: bo cc ch cn	000m: 0-1	RANGE: cr	subshrub
lewisiana Nowicke		PROV: ch vr	000m: 0-1	RANGE: end	shrub
*maxonii Leonard		PROV: ch vr	000m: 0-1,1-2	RANGE: end	herb
purpurascens Sw.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: col cr lag sao ven	herb
*uliginosa St. Hil.		PROV: cn pa	000m: 0-1	RANGE: sao	herb
*Solenostemon					
*scutellarioides (L.) Coll.		cult. PROV: ca cc pa	000m: 0-1,1-2	RANGE: asi	herb
Stachys					
costaricensis Briq.		PROV: ch	000m: 0-1	RANGE: cag cr mex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
254 (169) LABIATAE cont.					
Teucrium vesicarium Mill.		PROV: bo cn	000m: 0-1	RANGE: nwt	herb
256 (170) SOLANACEAE					
Brachistus *nelsonii (Fern.) D'Arcy, Gentry & Averett		PROV: da	000m: we	RANGE: cag	shrub
stramonifolius (Kunth) Miers		PROV: bo	000m: 0-1,1-2,2-3	RANGE: cr mex sal	shrub tree
Browallia americana L.		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: col ecu per sao	herb
speciosa Hook.		PROV: ch	000m: 1-2,2-3	RANGE: sat	herb
Brugmansia candida Pers.		intr. cult. PROV: ch pa	000m: 0-1,1-2	RANGE: nwt sat	shrub tree
suaveolens (Willd.) Bercht. & Presl		intr. cult. PROV: ch pa	000m: 0-1	RANGE: ecu per	shrub tree
Brunfelsia chocoensis Plowman		PROV: da	000m: 0-1	RANGE: col	shrub
dwyeri D'Arcy		PROV: pa	000m: 0-1	RANGE: end	tree
undulata Sw.		intr. cult. PROV: lo pa	000m: 0-1	RANGE: jam	shrub tree
Capsicum annuum L.					
--var. annuum		intr. cult. PROV: ca pa	000m: 0-1	RANGE: nwt	herb shrub
--var. aviculare (Dierb.) D'Arcy & Eshb.		PROV: bo ca cc ch da lo pa sa	000m: 0-1	RANGE: ang cag nag? sag?	herb shrub
chinense Jacq.		intr. cult. PROV: lo	000m: 0-1	RANGE: nao sag	shrub
frutescens L.		PROV: bo ca pa	000m: 0-1	RANGE: cag nag? sag? sao	shrub
Cestrum alternifolium (Jacq.) O.E. Schulz		PROV: ca ch pa vr	000m: 0-1	RANGE: ang cag col mex ven	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
256 (170) SOLANACEAE cont.					
chiriquianum Francey		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
costaricense Francey		PROV: vr	000m: 0-1	RANGE: cr	shrub
gracile Francey		PROV: vr	000m: we	RANGE: end	shrub
*jacaltenangium Loesn.					
--var. tomentosum Francey		PROV: vr	000m: we	RANGE: end	shrub
johnniegentrianum D'Arcy		PROV: cc	000m: 0-1	RANGE: end	shrub
lanatum Mart. & Gal.		PROV: ch	000m: 1-2,2-3	RANGE: cag mex ven	tree
langeanum D'Arcy		PROV: cn	000m: 0-1	RANGE: end	shrub
latifolium Lam.		PROV: ca ch cn da lo	000m: 0-1	RANGE: ang cag? gui nic sag?	shrub
		pa sa vr		sao	tree
lewisii D'Arcy		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
megalophyllum Dun.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: bol cag? gua lag per	tree
		da lo vr		sao trt ven	shrub
nocturnum L.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: ang cag? jam	tree
pittieri Francey		PROV: ch lo	000m: 0-1	RANGE: cr	shrub
racemosum R. & P.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bel bol cag? cr per	tree
		da pa		sao ven	shrub
reflexum Sendt.		PROV: bo da	000m: 0-1	RANGE: bol cr ecu sao	climber
rugulosum Francey		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
scandens Vahl		PROV: ca cc pa	000m: 0-1	RANGE: cag? gua ven	shrub
standleyi Francey		PROV: cc pa	000m: 0-1	RANGE: cr	shrub
strigilatum R. & P.		PROV: pa	000m: 0-1	RANGE: per sao	tree
warszewiczii Kl.		PROV: ch	000m: 0-1	RANGE: cr	tree
*Cuatresia					
*riparia (H.B.K.) Hunz.		PROV: ch	000m: 1-2,2-3	RANGE: cag col	shrub
					tree
Cyphomandra					
allophylla (Miers) Hemsl.		PROV: ca da pa	000m: 0-1	RANGE: col cr nic	herb
*divaricata (Mart.) Sendt.		PROV: bo pa sa	000m: 0-1	RANGE: gua ven	tree
*dolichocarpa Bitt.		PROV: ch	000m: 2-3	RANGE: cr	tree
hartwegii (Miers) Walp.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bol cag? col cr ecu	shrub
		da pa		hon sao trt	tree
Datura					
metel L.		intr. cult.			
		PROV: ch	000m: 0-1	RANGE: afr asi	shrub
stramonium L.		PROV: ca	000m: 0-1	RANGE: wdw	herb
Deprea					
orinocensis (Kunth) Raf.		PROV: bo ch	000m: 2-3	RANGE: cr ven	shrub
					herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
256 (170) SOLANACEAE cont.					
<i>Jaltomata procumbens</i> (Cav.) J.L. Gentry		PROV: bo cc ch	000m: 0-1,1-2,2-3	RANGE: cag? col mex ven	herb
<i>Juanulloa mexicana</i> (Schlecht.) Miers		PROV: bo ch	000m: 0-1	RANGE: cag? col cr gua mex	climber shrub
<i>Lycianthes acidochondra</i> (Bitt.) Bitt.		PROV: ca cc cn pa	000m: 0-1	RANGE: end	climber
<i>amatitlanensis</i> (Coult. & J.D. Sm.) Bitt.		PROV: da sa	000m: 0-1	RANGE: cag? ecu gua hon per	herb
<i>beckneriana</i> D'Arcy		PROV: ch	000m: 1-2	RANGE: end	subshrub
<i>escuintlensis</i> (Coult.) D'Arcy		PROV: bo ca cc ch da pa	000m: 0-1,1-2	RANGE: cr gua	tree herb shrub tree
<i>guianense</i> (Dun.) Bitt.		PROV: ca cc da pa sa vr	000m: 0-1,1-2	RANGE: col per sag? sao	climber shrub
<i>hawkesiana</i> D'Arcy		PROV: bo cc ch cn	000m: 0-1	RANGE: end	shrub
<i>howardiana</i> D'Arcy		PROV: pa	000m: 0-1	RANGE: end	shrub climber tree?
<i>hygrophila</i> Bitt.		PROV: ch	000m: 2-3	RANGE: end	climber
<i>luteynii</i> D'Arcy		PROV: ch	000m: 1-2	RANGE: end	shrub climber
<i>maxonii</i> Standl.					
--var. <i>grandidentata</i> D'Arcy		PROV: cn	000m: 0-1	RANGE: end	herb
--var. <i>maxonii</i>		PROV: ca ch cn da pa	000m: 0-1,1-2	RANGE: cr nic	shrub herb
<i>porteriana</i> D'Arcy		PROV: bo	000m: 0-1	RANGE: end	shrub climber
* <i>sanctaeciae</i> (Greenm.) D'Arcy		PROV: pa sa	000m: 0-1	RANGE: cr	shrub
<i>synanthera</i> (Sendt.) Bitt.		PROV: bo ca cc ch cn pa sa vr	000m: 0-1	RANGE: cag gua mex	shrub tree
<i>tysoniana</i> D'Arcy		PROV: pa	000m: 0-1	RANGE: end	shrub climber
<i>Lycopersicon esculentum</i> Mill.		intr. cult. PROV: cc lo pa	000m: 0-1	RANGE: wdv	herb
<i>Markea crosbiana</i> D'Arcy		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>dressleri</i> D'Arcy		PROV: pa	000m: 0-1	RANGE: cr?	epiph shrub
<i>megalandra</i> (Dun.) D'Arcy		PROV: ch	000m: 1-2	RANGE: cag col cr mex ven	hemiep shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
256 (170) SOLANACEAE cont.					
neurantha Hemsl. ulei (Damm.) Cuatr.		PROV: bo ch vr PROV: ca cn da pa	000m: 1-2 000m: 0-1	RANGE: cr RANGE: cag? col per	shrub hemiep shrub
Nicotiana tabacum L.		intr. cult. PROV: ch pa	000m: 0-1,2-3	RANGE: wdw	herb
Petunia violacea Lindl.		intr. cult. PROV: pa	000m: 0-1	RANGE: sao	herb shrub
Physalis angulata L.		PROV: bo ca cc ch cn da he lo pa	000m: 0-1	RANGE: cag nag nao owg sag sao	herb
cordata Mill.		PROV: bo cc ch cn da lo pa	000m: 0-1,1-2	RANGE: cag gag lag mex	herb
gracilis Miers		PROV: bo	000m: 0-1	RANGE: cag mex	herb
hirsuta Dun.		PROV: da	000m: 0-1	RANGE: mex nao	herb
ignota Britt.		PROV: cc lo pa	000m: 0-1	RANGE: cag? cub gua	herb
lagascae R. & S.		PROV: ca cc pa	000m: 0-1	RANGE: bol cag nag	herb
minuta Griggs		PROV: lo	000m: 0-1	RANGE: cag mex	herb
philadelphica Lam.		PROV: ch	000m: 0-1,1-2	RANGE: ang cag? mex nag nao	herb
pubescens L.					
--var. hygrophila (Mart.) Dun.		PROV: da	000m: 0-1	RANGE: mex sao	herb
--var. pubescens		PROV: bo ca cc cn da lo pa	000m: 0-1	RANGE: cag nag? nao owg sag? sao	herb
Rahowardiana wardiana D'Arcy		PROV: cc sa	000m: 0-1	RANGE: end	shrub
Schwenckia americana L.		PROV: cc	000m: 0-1	RANGE: cag? cr	herb
Solandra brachycalyx Kuntze grandiflora Sw.		PROV: ch da intr. cult. PROV: ca cc pa	000m: 1-2,2-3 000m: 0-1	RANGE: cr gua RANGE: cag	hemiepiphyte hemiep shrub
maxima (Sesse & Moc.) P.S. Green		PROV: ch	000m: 1-2	RANGE: mex	hemiep shrub
Solanum accrescens Standl. & Mort.		PROV: ca pa	000m: 0-1	RANGE: cr	shrub tree
*acerifolium Dun. americanum Mill.		PROV: ch PROV: bo ca cc ch cn da lo pa sa vr	000m: 1-2 000m: 0-1,1-2	RANGE: afr col cr hon sao RANGE: asi bah eur jam mex nao sao wdw	herb herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
256 (170) SOLANACEAE cont.					
anceps R. & P.		PROV: cc da sa	000m: 0-1,1-2	RANGE: ecu per sao	herb
*aphyodendron Knapp		PROV: ch	000m: 0-1,1-2,2-3	RANGE: cag col cr mex sat	shrub tree
arboreum Dun.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: col cr mex per ven	shrub tree
argenteum Poir.		da lo pa sa PROV: bo ca cc ch da	000m: 0-1,1-2	RANGE: col cr sao	shrub
asperum Rich.		pa PROV: ca cc cn da pa	000m: 0-1	RANGE: bel cag? gui sag? sao	shrub tree
*brachystachys Dun.		PROV: ch	000m: 2-3	RANGE: cag mex	shrub
*candidum Lindl.		PROV: ch	000m: 1-2	RANGE: bel cag col cr ecu gua gua mex nic per sal	herb shrub
canense Rydb.		PROV: cc da pa	000m: 0-1	RANGE: cag? ecu gua ven	herb climber
caripense Dun.		PROV: ch	000m: 1-2,2-3	RANGE: cr per ven	herb climber
*chrysotrichum Schlecht.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: col cr	shrub tree
cordavense Sesse & Moc.		PROV: ch	000m: 1-2	RANGE: bel hon	shrub tree
*diodontum Bitt.		PROV: ch	000m: 1-2,2-3	RANGE: ven	herb
erianthum D. Don		PROV: wp	000m: 0-1	RANGE: ang cag? fla gui mex owg? ven	shrub tree
erythrotrichum Fern.		PROV: ch	000m: 1-2	RANGE: gua	shrub
evolvulifolium Greenm.		PROV: bo ch	000m: 1-2,2-3	RANGE: col cr ecu?	epiph shrub climber
extensum Bitt.		PROV: ca pa sa	000m: 0-1	RANGE: col	shrub
fosbergianum D'Arcy		PROV: pa	000m: 0-1	RANGE: end	shrub tree
granelianum D'Arcy		PROV: da	000m: 1-2	RANGE: end	climber
hayesii Fern.		PROV: bo ca cc cn pa	000m: 0-1	RANGE: cag? nic per sag?	shrub tree
hazenii Britt.		PROV: ca cn da lo pa	000m: 0-1	RANGE: cag col mex trt	shrub tree
hirtum Vahl		PROV: ca da	000m: 0-1	RANGE: cag col gua mex nic trt	shrub tree
imberbe Bitt.		PROV: ca cn da pa sa	000m: 0-1	RANGE: col ven	shrub
incomptum Bitt.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub tree
ipomoea Sendt.		PROV: ca	000m: 0-1	RANGE: sao	climber
jamaicense Mill.		PROV: ca da he pa sa	000m: 0-1	RANGE: ang cag fla jam mex pr sag? sao	shrub
lancaeifolium Jacq.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang cag gua mex sag?	climber
		da he lo pa vr		sao trt	
*lanceolatum Cav.		PROV: ch cn	000m: 0-1,1-2	RANGE: cag? mex sag?	shrub tree
leucocarpum Dun.		PROV: da vr	000m: 0-1	RANGE: gui per sat	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
256 (170) SOLANACEAE cont.					
mammosum L.		intr. cult. PROV: ch da pa	000m: 0-1	RANGE: nwt	herb shrub
melongena L.		intr. cult. PROV: ca	000m: 0-1	RANGE: his owg	herb
microleprodes Bitt. --var. felicitis D'Arcy		PROV: ch	000m: 0-1	RANGE: end	shrub tree
--var. microleprodes		PROV: bo ch da vr	000m: 0-1	RANGE: end	shrub tree
nigrescens Mart. & Gal.		PROV: ca ch da	000m: 0-1,1-2,3+	RANGE: bol cag? cal fla jam mex nao sag? sao	herb
nudum Dun.		PROV: ca cc ch pa vr	000m: 0-1,1-2	RANGE: cag col cr cub ecu gua his mex pr	shrub tree
oxycarpum Schiede		PROV: ch	000m: 1-2	RANGE: cag mex	herb
pectinatum Dun.		PROV: ca cc ch lo pa	000m: 0-1	RANGE: col cr per	herb shrub
perattenuatum I.M. Johnst.		PROV: pa	000m: 0-1	RANGE: end	shrub
*pertenua Standl. & Morton		PROV: ch	000m: 1-2	RANGE: cr	shrub
phaseoloides Polak.		PROV: ch	000m: 1-2	RANGE: cag? cr gua	herb
*physalifolium Rusby *--var. nitidibaccatum (Bitt.) Edmonds		intr. nat. PROV: ch	000m: 2-3	RANGE: wdw	herb
pseudocapsicum L.		intr. cult. PROV: ch	000m: 1-2	RANGE: end	shrub
pulverulentum Pers.		PROV: ch	000m: 1-2	RANGE: cr sat	shrub tree
quitoense Lam.		intr. cult. nat. PROV: cc ch da pa	000m: 0-1,1-2	RANGE: col cr ecu per	herb shrub
*ramonense Morton & Standley		PROV: bo ch	000m: 0-1	RANGE: cr	shrub
roviosanum J.D. Sm.		PROV: bo pa	000m: 0-1	RANGE: cag col ecu gua mex per	shrub tree
*rudepannum Dun.		PROV: ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: cag col mex	shrub tree
rugosum Dun.		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: bel cag? gag lag sag? sao	shrub tree
schlechtendalianum Walp.		PROV: bo ca cn da he lo pa	000m: 0-1,1-2	RANGE: ang bel cag? cub mex sag?	shrub tree
seaforthianum Andr.		PROV: ca ch lo pa	000m: 0-1,1-2	RANGE: ang	climber
*sessiliflorum Dun.		PROV: cc	000m: 0-1	RANGE: col cr ecu per sao sat	shrub
siparunoides Ewan		PROV: ca pa	000m: 0-1	RANGE: col ecu per	climber shrub
*stramonifolium Jacq.		PROV: bo	000m: 0-1	RANGE: col ecu gui per sat ven	tree? shrub
subinerme Jacq.		PROV: ca cc pa sa	000m: 0-1	RANGE: ang cag gui mex sag?	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
256 (170) SOLANACEAE cont.					
torvum Sw.		PROV: bo ch he lo	000m: 0-1,1-2	RANGE: ang jam	shrub tree
trizygum Bitt.		PROV: bo ch	000m: 0-1,1-2,2-3	RANGE: cag? gua mex per sag? ven	herb
tuberosum L.		intr. cult.			
umbellatum Mill.		PROV: ch	000m: 1-2	RANGE: wdw	herb
		PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1,1-2,2-3	RANGE: cag col cr gag mex	shrub tree
*vacciniiflorum Standl. & Mort.		PROV: ch	000m: 2-3,3+	RANGE: cr	shrub tree
*valerianum Mort. & Standl.		PROV: ch	000m: 0-1	RANGE: cr	shrub
wendlandii Hook. f.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	climber
woodsonii Corr.		PROV: ch	000m: 3+	RANGE: ven	herb
Witheringia					
asterotricha (Standl.) Hunz.		PROV: bo cc ch pa	000m: 0-1,1-2	RANGE: cr	herb shrub
bristaniana D'Arcy		PROV: da	000m: 0-1,1-2	RANGE: end	shrub
coccoloboides (Damm.) Hunz.		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: col cr	herb shrub
correana D'Arcy		PROV: cn sa	000m: 0-1	RANGE: cr	herb
cuneata (Standl.) Hunz.		PROV: bo ch	000m: 1-2	RANGE: cr nic ven	herb shrub
*exiguiflora D'Arcy		PROV: da pa sa	000m: 0-1,1-2	RANGE: cr	shrub
hunzikeri D'Arcy		PROV: cn	000m: 0-1	RANGE: end	herb subshrub
laxissima (Standl.) D'Arcy		PROV: ch	000m: 2-3	RANGE: end	shrub
maculata (Mort. & Standl.) Hunz.		PROV: bo ch	000m: 1-2	RANGE: cr	herb
*morii D'Arcy		PROV: ch	000m: 1-2	RANGE: cr	shrub
solanacea L'Her.		PROV: bo ca cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: ang cag? col cr gua mex sag? sao	herb shrub tree

257 (171) SCROPHULARIACEAE

Agalinis					
hispidula (Mart.) D'Arcy		PROV: cc vr	000m: 0-1	RANGE: bel cag gua sag sao	herb
Alectra					
aspera (Cham. & Schlecht.) L.O. Wms.		PROV: ca he pa	000m: 0-1	RANGE: ang cag gua sag? sao	herb
*Alonsoa					
*meridionalis (L. f.) Kuntze		PROV: ch	000m: 1-2,2-3	RANGE: cag cr sat	herb
Angelonia					
angustifolia Benth.		PROV: bo cc pa	000m: 0-1	RANGE: ang cag mex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
257 (171) SCROPHULARIACEAE cont.					
<i>Bacopa</i>					
axillaris (Benth.) Standl.		PROV: ca pa	000m: 0-1	RANGE: col gua	herb
bacopoides (Benth.) Pulle		PROV: ca cc cn lo pa	000m: 0-1	RANGE: bel gua gui nic sao	herb
laxiflora (Benth.) Edwall		PROV: cc pa	000m: 0-1	RANGE: sao	herb
monnieri (L.) Penn.		PROV: bo ca ch cn pa	000m: 0-1	RANGE: jam sag	herb
monnierioides (Cham.) Rob.		PROV: ca cn pa sa vr	000m: 0-1	RANGE: cag? gua sag? sao	herb
repens (Sw.) Wettst.		PROV: cc da pa	000m: 0-1	RANGE: ang cag? col jam mex	herb
salzmannii (Benth.) Edwall		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cag col gui mex	herb
sessiliflora (Benth.) Pulle		PROV: ca cc cn lo pa	000m: 0-1	RANGE: cag col gua gui	herb
<i>Benjaminia</i>					
reflexa (Benth.) D'Arcy		PROV: pa	000m: 0-1	RANGE: cag cub sat	herb
<i>Buchnera</i>					
pusilla H.B.K.		PROV: ca cc ch cn he	000m: 0-1,1-2	RANGE: cag? cr ecu gua mex	herb
rosea H.B.K.		PROV: ca pa	000m: 0-1	RANGE: col per sag?	herb
weberbaueri Diels		PROV: cc ch	000m: 0-1,1-2	RANGE: bel cag? per sag? trt	herb
<i>Calceolaria</i>					
irazuensis J.D. Sm.		PROV: ch	000m: 2-3,3+	RANGE: cr	herb
mexicana Benth.		PROV: bo ch	000m: 1-2,2-3	RANGE: bol cag col ecu gua	herb
perfoliata L. f.		PROV: ch	000m: 1-2,2-3,3+	RANGE: col cr ecu	herb
tripartita R. & P.		PROV: ch	000m: 1-2,2-3,3+	RANGE: bol cag col ecu mex	herb
<i>Capraria</i>					
biflora L.		PROV: bo ca pa sa	000m: 0-1	RANGE: ang cag fla owg sag	shrub
peruviana Benth.		PROV: pa	000m: 0-1	RANGE: col ecu per	shrub
<i>Castilleja</i>					
arvensis Schlecht. & Cham.		PROV: ch lo	000m: 0-1,1-2,2-3	RANGE: cag gua his mex nao	herb
quirosii Standl.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	herb shrub
<i>Digitalis</i>					
purpurea L.		PROV: ch	000m: 2-3	RANGE: owg	herb
<i>Escobedia</i>					
grandiflora (L. f.) Kuntze		PROV: ch	000m: 1-2	RANGE: col cr mex per	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
257 (171) SCROPHULARIACEAE cont.					
Gibsoniothamnus					
alatus A. Gentry		PROV: bo ch da	000m: 0-1,1-2	RANGE: cr	shrub
cornutus (J.D. Sm.) A. Gentry					
--var. cornutus		PROV: ch pa	000m: 0-1,1-2	RANGE: cag col cr gua	shrub
--var. latidentatus (A. Gentry) D'Arcy					
mirificus A. Gentry		PROV: pa vr	000m: 0-1	RANGE: end	shrub
*truncatus A. Gentry		PROV: cc cn	000m: 0-1	RANGE: end	shrub
		PROV: cc	000m: 0-1	RANGE: end	epiph shrub
Lamourouxia					
gutierrezii Oerst.		PROV: ch	000m: 1-2	RANGE: cr	herb
viscosa Kunth		PROV: cc ch vr	000m: 0-1,1-2	RANGE: cag mex	shrub herb shrub
Leucocarpus					
perfoliatus (H.B.K.) Benth.		PROV: bo ch	000m: 1-2,2-3	RANGE: bol cag col gua mex sag? ven	herb shrub
Lindernia					
crustacea (L.) F. Muell.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: asi nwg owg	herb
diffusa (L.) Wettst.		PROV: bo ca cc cn pa sa vr	000m: 0-1	RANGE: ang nwt	herb
dubia (L.) Penn.		PROV: ca	000m: 0-1	RANGE: cag nag	herb
*--subsp. anagallidea (Michx.) Cooperrider		PROV: cc ch pa	000m: 0-1	RANGE: cag nag sag	herb
*Mazus					
*japonicus (Thunb.) Kuntze		PROV: ch	000m: 1-2	RANGE: cag nag	herb
Mecardonia					
procumbens (Mill.) Small		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: cag col ecu fla his mex per sag sao tex	herb
Micranthemum					
pilosum Ernst		PROV: ca cc he pa	000m: 0-1	RANGE: gua ven	herb
Russelia					
equisetiformis Schlecht. & Cham. intr. cult.					
sarmentosa Jacq.		PROV: ca pa PROV: ca cc ch cn da he pa vr	000m: 0-1 000m: 0-1,1-2	RANGE: mex RANGE: cag col gag gua mex	herb herb
Scoparia					
dulcis L.		PROV: bo ca cc cn da he lo pa sa vr	000m: 0-1	RANGE: jam nwt	herb shrub

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
257 (171) SCROPHULARIACEAE cont.					
*Sibthorpia					
*repens (L.) Kuntze		PROV: ch	000m: 2-3	RANGE: cag sat	herb
Stemodia					
durantifolia (L.) Sw.		PROV: ca cc cn lo pa	000m: 0-1	RANGE: ang cag cal his nao	herb
jorullensis H.B.K.		PROV: bo ca cc cn da	000m: 0-1	RANGE: sag sao cag cr cub gag mex	herb
peduncularis Benth.		PROV: ch	000m: 1-2	RANGE: sag? cag mex	herb
reliquiarum D'Arcy		PROV: ch ch	000m: 2-3,2-3	RANGE: cr cr	subshrub
verticillata (Mill.) Hassl.		PROV: bo ca da lo pa	000m: 0-1	RANGE: ang cag col cr his	herb
		sa		mex sag sal sao	herb
Tetranema					
bicolor L.O. Wms.		PROV: cc vr	000m: 0-1	RANGE: nic	herb
Torenia					
fournieri Linden		PROV: ca	000m: 0-1	RANGE: asi	herb
thouarsii (Cham. & Schlecht.) Kuntze		PROV: bo	000m: 0-1	RANGE: asi cr per sag? trt	herb
				ven	
Veronica					
arvensis L.		PROV: ch	000m: 1-2,2-3	RANGE: eur	herb
peregrina L.		PROV: ch	000m: 1-2	RANGE: nwg owg	herb
*persica Poir.		PROV: ch	000m: 1-2,2-3	RANGE: cag eur mex nwg	herb
258 (172) BIGNONIACEAE					
Adenocalymma					
arthropetiolum A. Gentry		PROV: ca pa	000m: 0-1	RANGE: col	climber
*chocoensis A. Gentry		PROV: da	000m: 0-1	RANGE: col	climber
inundatum DC.		PROV: ca ch da lo pa	000m: 0-1	RANGE: cag col cr gua gui	climber
				lag? mex nic per sal sao	
				sat ven	
Amphilophium					
paniculatum (L.) H.B.K.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang bel bol cag col	climber
		he lo pa sa vr		cr cr ecu gua gui hon	
				mex nic per sag sal sao	
				trt ven	
--var. molle (Schlecht. & Cham.) Standl.		PROV: wp	000m: 0-1	RANGE: bol col mex sat	climber
pannosum (DC.) Bur. & Schum.		PROV: cn da	000m: 0-1,1-2	RANGE: col cr ecu per sao	climber
				sat ven	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
258 (172) BIGNONIACEAE cont.					
<i>Amphitecna</i>					
* <i>isthmica</i> (A. Gentry) A. Gentry		PROV: cc ch cn pa	000m: 0-1	RANGE: col cr	tree
* <i>kennedyi</i> (A. Gentry) A. Gentry		PROV: bo pa	000m: 0-1	RANGE: cr hon	tree
* <i>latifolia</i> (Mill.) A. Gentry		PROV: bo ca cn da lo pa sa vr	000m: 0-1	RANGE: ang bel cag col cr ecu fla gua gui hon mex sat trt ven	tree
* <i>parviflora</i> A. Gentry		PROV: ch	000m: 1-2	RANGE: end	shrub
* <i>sessilifolius</i> (J.D. Sm.) L.O. Wms.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub tree
* <i>spathicalyx</i> (A. Gentry) A. Gentry		PROV: pa	000m: 0-1	RANGE: end	tree
<i>Anemopaegma</i>					
<i>chrysanthum</i> Dugand		PROV: ca cc cn da pa	000m: 0-1,1-2	RANGE: cag col cr ecu mex	climber
<i>chrysoleucum</i> (Kunth) Sandw.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: bel cag col cr gua gui hon mex nic per sao	climber
<i>orbiculatum</i> (Jacq.) DC.		PROV: ca lo pa	000m: 0-1	RANGE: col cr nic ven	climber
<i>puberulum</i> (Seib.) Miranda		PROV: pa sa	000m: 0-1	RANGE: col ecu gua hon mex	climber
<i>santa-ritense</i> A. Gentry		PROV: cn da pa sa	000m: 0-1	RANGE: col	climber
<i>Arrabidaea</i>					
<i>candicans</i> (Rich.) DC.		PROV: ca cc ch cn da he pa vr	000m: 0-1	RANGE: bel cag? col cr ecu gua gui mex per sao ven	climber
<i>chica</i> (H. & B.) Verlot		PROV: bo ca cc ch da pa sa vr	000m: 0-1	RANGE: bel cag? col cr ecu gua hon mex per pr sag	climber
<i>conjugata</i> (Vell.) Mart.		PROV: ca da pa	000m: 0-1	RANGE: col cr gua gui per sao sat ven	climber
<i>corallina</i> (Jacq.) Sandw.		PROV: ca lo pa	000m: 0-1	RANGE: bel bol bol cag col cr ecu gui mex per sag	climber
<i>florida</i> DC.		PROV: ca da pa sa	000m: 0-1	RANGE: bel bol cag? col ecu mex nic per sag sao ven	climber
<i>mollissima</i> (Kunth) Bur. & Schum.		PROV: ca cc da pa vr	000m: 0-1	RANGE: col cr gua mex nic sal ven	climber
<i>oxycarpa</i> Urb.		PROV: ca	000m: 0-1	RANGE: col ven	climber
<i>patellifera</i> (Schlecht.) Sandw.		PROV: ca ch da he pa vr	000m: 0-1	RANGE: bel bol cag col cr gua gui hon mex nic per sal sao sat trt ven	climber
<i>pubescens</i> (L.) A. Gentry		PROV: ca cc da pa	000m: 0-1	RANGE: bel cag col ecu gua mex per sao trt ven	climber
* <i>verrucosa</i> (Standl.) A. Gentry		PROV: ca ch cn da pa sa vr	000m: 0-1,2-3	RANGE: bel bol col cr gua hon mex nic per sao sat ven	climber
<i>Callichlamys</i>					
<i>latifolia</i> (L. Rich.) K. Schum.		PROV: bo ca cn da pa sa vr	000m: 0-1	RANGE: bel cag col cr ecu gua gui hon mex nic per	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
258 (172) BIGNONIACEAE cont.					
<i>Ceratophytum</i>				sao ven	
<i>tetragonolobum</i> (Jacq.) Sprague & Sandw.		PROV: ca da pa sa	000m: 0-1	RANGE: bel cag cr ecu gui hon mex nic per sao sat	climber
<i>Clytostoma</i>					
<i>binatum</i> (Thunb.) Sandw.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: bel bol bol cag col cr ecu gua gui hon mex	climber
<i>Crescentia</i>					
<i>alata</i> H.B.K.		intr. cult. PROV: ch	000m: 0-1	RANGE: cag cr gua hon mex nic sal	tree
<i>cujete</i> L.		cult. PROV: bo ca ch da lo pa sa	000m: 0-1	RANGE: abc ang cag col cub ecu mex nic per sao	tree
<i>Cuspidaria</i>					
<i>floribunda</i> (DC.) A. Gentry		PROV: da	000m: 0-1	RANGE: bol col per sao	climber
<i>Cydista</i>					
<i>aequinoctialis</i> (L.) Miers		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: ang ang bel col cr ecu gua gui hon mex nic per sal sao sat trt ven	climber
*--var. <i>hirtella</i> (Benth.) A. Gentry		PROV: da vr	000m: 0-1	RANGE: cag col mex	climber
<i>diversifolia</i> (H.B.K.) Miers		PROV: ca pa	000m: 0-1	RANGE: ang bel cag col cr cub cub gua hon mex nic	climber
<i>heterophylla</i> Seib.		PROV: ca da he pa	000m: 0-1	RANGE: bel cag col cr gua hon mex nic	climber
<i>Distictella</i>					
<i>magnoliifolia</i> (H.B.K.) Sandw.		PROV: ca cn da	000m: 0-1	RANGE: col cr gua gui per sao sat ven	climber
<i>Godmania</i>					
<i>aesculifolia</i> (H.B.K.) Standl.		PROV: ca he pa vr	000m: 0-1	RANGE: bel bol cag col cr gua hon mex nic per sal	tree
<i>Haplophragma</i>					
<i>adenophyllum</i> (G. Don) Dop intr. cult.		PROV: ca	000m: 0-1	RANGE: asi	tree
<i>Jacaranda</i>					
<i>caucana</i> Pitt.					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
258 (172) BIGNONIACEAE cont.					
--subsp. sandwithiana A. Gentry					
copaia (Aubl.) D. Don					
*--subsp. spectabilis (DC.) A. Gentry					
mimosifolia D. Don					
Kigelia					
*africana (Lam.) Benth.					
Lundia					
corymbifera (Vahl) Sandw.					
puberula Pitt.					
Macfadyena					
uncata (Andr.) Sprague & Sandw.					
unguis-cati (L.) A. Gentry					
*Mansoa					
*hymenaea (DC.) A. Gentry					
*kerere (Aubl.) A. Gentry					
*parvifolia (A. Gentry) A. Gentry					
*standleyi (Steyerm.) A. Gentry					
*verrucifera (Schlecht.) A. Gentry					
Martinella					
obovata (H.B.K.) Bur. & K. Schum.					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
258 (172) BIGNONIACEAE cont.					
<i>Mussatia</i> <i>hyacinthina</i> (Standl.) Sandw.		PROV: bo cn da pa vr	000m: 0-1	RANGE: bel bol cag col cr ecu gua gui mex nic per sao sat ven	climber
<i>Paragonia</i> <i>pyramidata</i> (L. Rich.) Bur.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: bel bol cag col cr ecu gua gui hon mex nic sao sao sat trt ven	climber
<i>Parmentiera</i> <i>aculeata</i> (H.B.K.) Seem.	cult.	PROV: ca	000m: 0-1	RANGE: cag mex wdt	tree
<i>cereifera</i> Seem.	cult.	PROV: ca	000m: 0-1	RANGE: end	tree
* <i>dressleri</i> A. Gentry		PROV: cn pa	000m: 0-1	RANGE: end	tree
<i>macrophylla</i> Standl.		PROV: bo cc	000m: 0-1	RANGE: cr	tree
* <i>morii</i> A. Gentry		PROV: pa	000m: 0-1	RANGE: end	tree
<i>Phryganocydia</i> <i>corymbosa</i> K. Schum.		PROV: ca cc cn da pa sa	000m: 0-1	RANGE: ang? bol col cr ecu per sao trt ven	climber
<i>phellosperma</i> (Hemsl.) Sandw.		PROV: ca da pa	000m: 0-1	RANGE: col cr	climber
<i>Pithecoctenium</i> * <i>crucigerum</i> (L.) A. Gentry		PROV: bo ca ch cn da pa sa vr	000m: 0-1	RANGE: bol cag? col mex sag? sao sao ven	climber
<i>Pleonotoma</i> <i>variabilis</i> (Jacq.) Miers		PROV: bo ca da lo pa sa	000m: 0-1	RANGE: cr gua per trt ven	climber
<i>Podranea</i> <i>ricolasiana</i> (Tanfani) Sprague	intr. cult.	PROV: ch	000m: 0-1	RANGE: afr	climber shrub
<i>Pyrostegia</i> <i>venusta</i> (Ker.) Miers	intr. cult.	PROV: ch	000m: 0-1	RANGE: bol cr sag sao	climber
<i>Saritaea</i> <i>magnifica</i> (van Steenis) Dugand	intr. cult.	PROV: ca	000m: 0-1	RANGE: col ecu	climber
<i>Schlegelia</i> * <i>brachyantha</i> Griseb.		PROV: ch	000m: 2-3	RANGE: ang ven	woody hemiep climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
258 (172) BIGNONIACEAE cont.					
dressleri A. Gentry		PROV: pa	000m: 0-1	RANGE: col	climber
fastigiata Schery		PROV: bo cc da pa sa vr	000m: 0-1	RANGE: cag? col ecu ecu gua sag?	woody climber
fuscata A. Gentry		PROV: cn da pa	000m: 1-2	RANGE: cr nic	climber
nicaraguensis Standl.		PROV: bo cn pa	000m: 0-1	RANGE: cr gua mex nic	climber
parviflora (Oerst.) Monachino		PROV: bo cn da pa sa	000m: 0-1,1-2	RANGE: bel bel cag cr gua hon nic per sao sat	climber
Spathodea					
campanulata Beauvois	cult.	PROV: ca	000m: 0-1	RANGE: afr	tree
Stizophyllum					
inaequilaterum Bur. & K. Schum.	cult.	PROV: ca cn da pa sa	000m: 0-1,1-2	RANGE: bol col cr ecu per ven	climber
riparium (H.B.K.) Sandw.		PROV: bo ca ch cn da pa sa vr	000m: 0-1	RANGE: bel bol cag? col cr ecu gua gua hon mex nic per sal sat trt ven	climber
Tabebuia					
chrysantha (Jacq.) Nichols.		PROV: ca cc ch cn da pa vr	000m: 0-1	RANGE: bel col cr ecu gua hon jam mex nic per sal trt ven	tree
guayacan (Seem.) Hemsl.		PROV: ca ch cn da pa	000m: 0-1	RANGE: bel cag col cr gua mex ven	tree
*heterophylla (DC.) Britt. intr. cult.		PROV: ca	000m: 0-1	RANGE: ang	shrub tree
impetiginosa (DC.) Standl.		PROV: da pa	000m: 0-1	RANGE: bol cag col cr gua mex nic per sag sal sao ven	tree
ochracea (Cham.) Standl.					
--subsp. neochrysantha (A. Gentry) A. Gentry		PROV: ca cc da he pa vr	000m: 0-1	RANGE: cag? col cr hon nic sal trt ven	tree
palustris Hemsl.		PROV: ca cc da pa	000m: 0-1	RANGE: col cr ecu	shrub tree
rosea (Bertol.) DC.		PROV: bo ca cc ch da he pa sa vr	000m: 0-1	RANGE: bel cag col cr ecu gua hon mex nic sal ven	tree
striata A. Gentry		PROV: sa	000m: 0-1	RANGE: col	tree
Tanaecium					
nocturnum (Barb. Rodr.) Bur. & K. Schum.		PROV: da	000m: 0-1	RANGE: col gui per sao	climber
Tecoma					
stans H.B.K.	intr. cult.	PROV: ca cc ch cn da lo pa	000m: 0-1	RANGE: ang ang cag col cr ecu fla gua hon mex nao nic per sag sal sao tex trt ven	shrub tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
258 (172) BIGNONIACEAE cont.					
<i>Tecomaria capensis</i> (Thunb.) Spach	intr. cult.	PROV: pa	000m: 0-1,1-2	RANGE: afr cr	shrub subshrub
<i>Tourrettia lappacea</i> (L'Her.) Willd.		PROV: ch	000m: 0-1,1-2	RANGE: bol cag col cr ecu gua hon mex nic per sao	climber
<i>Tynanthus croatianus</i> A. Gentry		PROV: ca da pa	000m: 0-1	RANGE: col	climber
* <i>macranthus</i> L.O. Wms.		PROV: vr	000m: 0-1	RANGE: cr	climber
<i>Xylophragma seemannianum</i> (Kuntze) Sandw.		PROV: ca cc ch da he pa vr	000m: 0-1	RANGE: bel cag col cr gua gui gui mex nic sal sat ven	climber
259 (173) PEDALIACEAE					
<i>Sesamum indicum</i> L.	intr. cult.	PROV: lo pa	000m: 0-1	RANGE: ang owt sat	herb
261 (174) OROBANCHACEAE					
<i>Conopholis alpina</i> Liebm.		PROV: ch	000m: 1-2,2-3	RANGE: mex	herb
--var. <i>alpina</i>		PROV: ca ch	000m: 0-1,2-3	RANGE: cag mex	herb
* <i>americana</i> (L.) Wall. f.					
262 (175) GESNERIACEAE					
<i>Achimenes candida</i> Lindl.		PROV: ch	000m: 1-2	RANGE: cr gua mex	herb
* <i>erecta</i> (Lam.) H.P. Fuchs		PROV: pa	000m: 0-1,1-2	RANGE: cag	herb
<i>longiflora</i> DC.		PROV: cc ch lo pa	000m: 0-1	RANGE: cag cr mex	herb
<i>pedunculata</i> Benth.		PROV: ch	000m: 1-2	RANGE: cag col gua mex	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
<i>Alloplectus</i>					
<i>ambonensis</i> L. Skog		PROV: bo ch	000m: 1-2,2-3	RANGE: end	subshrub
<i>ichthyoderma</i> Hanst.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	herb
<i>medusaeus</i> L. Skog		PROV: bo cc ch da pa	000m: 1-2,2-3	RANGE: cr	shrub
<i>panamensis</i> Mort.		PROV: bo cc da pa vr	000m: 0-1,1-2	RANGE: col cr	terr
<i>pycnosuzygius</i> (J.D. Sm.) Mort.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	epiph
<i>tetragonus</i> (Hanst.) Hanst.		PROV: bo ch pa vr	000m: 0-1,1-2	RANGE: cag cr	herb
					shrub
<i>Besleria</i>					
<i>arborescens</i> Mort.		PROV: bo	000m: 0-1	RANGE: end	tree
<i>barbensis</i> Hanst.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	herb
<i>calycina</i> L. Skog		PROV: ch	000m: 1-2	RANGE: end	subshrub
<i>*chiriquensis</i> Wiehl.		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>formicaria</i> Nowicke		PROV: bo cc lo pa sa	000m: 0-1	RANGE: end	shrub
<i>formosa</i> Mort.		vr			
<i>hirsuta</i> (Oerst.) Hanst.		PROV: bo ch vr	000m: 1-2,2-3	RANGE: cr	herb
<i>laxiflora</i> Benth.		PROV: ch da	000m: 1-2	RANGE: cr mex	shrub
<i>notabilis</i> Mort.		PROV: bo ca cc ch da	000m: 0-1,1-2	RANGE: cag col gui mex sao	shrub
<i>pauciflora</i> Rusby		pa		ven	herb
<i>princeps</i> Hanst.		PROV: bo cc vr	000m: 0-1,1-2	RANGE: cr	shrub
<i>rara</i> L. Skog		PROV: bo cc cn da sa	000m: 0-1	RANGE: bol per sag?	herb
<i>robusta</i> J.D. Sm.		vr			shrub
<i>solanoides</i> H.B.K.		PROV: ch	000m: 2-3	RANGE: cr	herb
		PROV: vr	000m: 0-1	RANGE: end	shrub
		PROV: bo ca cc cn da	000m: 0-1	RANGE: cr	shrub
		pa sa vr			
<i>stricta</i> L. Skog		PROV: bo cc ch da pa	000m: 0-1,1-2,2-3	RANGE: cag? col cr hon per	herb
		vr			shrub
<i>tambensis</i> Mort.		PROV: da pa sa	000m: 0-1,1-2	RANGE: cag	tree
<i>*trichostegia</i> J.D. Sm.		PROV: da pa	000m: 0-1	RANGE: col	herb
		PROV: cc cn	000m: 0-1	RANGE: wr	shrub
					shrub
<i>Capanea</i>					
<i>grandiflora</i> Planch.		PROV: bo ch	000m: 1-2,2-3	RANGE: cag col cr ecu gua	herb
				ven	shrub
<i>Chrysothemis</i>					
<i>friedrichsthaliana</i> (Hanst.) H.E. Moore		PROV: bo ca ch cn da	000m: 0-1	RANGE: cag col ecu gua nic	herb
		pa sa		sag?	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
<i>pulchella</i> (Sims) Decne.		PROV: bo ca ch cn da lo pa sa vr	000m: 0-1	RANGE: ang col gui sao	herb
<i>Codonanthe</i>					
<i>chiricana</i> Wiehl.		PROV: ch	000m: 1-2	RANGE: end	herb
<i>crassifolia</i> (Focke) Mort.		PROV: bo ca cc cn da pa vr	000m: 0-1, 1-2	RANGE: cag gui per sao trt	subshrub
<i>luteola</i> Wiehl.		PROV: pa	000m: 0-1	RANGE: end	herb
<i>macradenia</i> J.D. Sm.		PROV: ca ch cn pa sa vr	000m: 0-1	RANGE: cr	herb
<i>uleana</i> Fritsch		PROV: ca cn pa sa	000m: 0-1	RANGE: bol cag col gua mex per sao	subshrub shrub subshrub
<i>Columnnea</i>					
<i>allenii</i> Mort.		PROV: cc	000m: 0-1	RANGE: end	herb
<i>ampliata</i> (Wiehl.) L. Skog		PROV: vr	000m: 0-1	RANGE: end	herb
<i>angustata</i> (Wiehl.) L. Skog		PROV: da vr	000m: 0-1	RANGE: col cr	subshrub subshrub shrub
<i>anisophylla</i> DC.		PROV: ch	000m: 1-2, 2-3	RANGE: cr per sag?	herb
<i>arguta</i> Mort.		PROV: cc cn da pa vr	000m: 0-1	RANGE: end	herb
<i>billbergiana</i> Beurl.		PROV: ca cc cn da pa vr	000m: 0-1, 1-2	RANGE: end	herb
<i>calotricha</i> J.D. Sm. cult.		PROV: da vr	000m: 0-1	RANGE: cr gua gui	subshrub herb
<i>canarina</i> Wiehl. cult.		PROV: bo ch	000m: 0-1	RANGE: end	shrub herb
<i>cerropirrana</i> (Wiehl.) L. Skog		PROV: da	000m: 0-1, 1-2	RANGE: end	subshrub subshrub herb
<i>consanguinea</i> Hanst.					
--var. <i>adpressa</i> Morley		PROV: bo ch	000m: 1-2, 2-3	RANGE: end	herb
--var. <i>darienensis</i> (Mort.) Morley		PROV: da	000m: 0-1, 1-2, 2-3, 3+	RANGE: end	subshrub
<i>crassa</i> Mort.		PROV: cc pa vr	000m: 0-1	RANGE: end	herb shrub
<i>cruenta</i> Morley		PROV: pa	000m: 0-1	RANGE: end	herb shrub
<i>dissimilis</i> Mort.		PROV: cc cn pa	000m: 0-1	RANGE: end	herb shrub
<i>dressleri</i> Wiehl.		PROV: ch vr	000m: 0-1, 1-2	RANGE: end	subshrub
<i>flaccida</i> Seem.		PROV: ch	000m: 2-3	RANGE: end	subshrub
<i>florida</i> Mort.		PROV: ch da pa	000m: 0-1, 1-2	RANGE: cr	herb herb
<i>gallicauda</i> Wiehl.		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>hiantiflora</i> Wiehl.		PROV: ch	000m: 1-2	RANGE: end	subshrub herb
<i>hirsutissima</i> Mort.		PROV: cc ch pa vr	000m: 0-1	RANGE: end	subshrub herb subshrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
hirta Kl. & Hanst.					
--var. hirta		PROV: vr	000m: we	RANGE: cr	herb
--var. mortonii (Raymond) Morley					
cult.		PROV: wp	000m: we	RANGE: wr	herb
illepida Moore	cult.	PROV: pa	000m: 0-1	RANGE: wr	herb
incarnata Mort.		PROV: bo ch	000m: 0-1,1-2,2-3	RANGE: end	herb
kahibreyeriana Mast.		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: col	herb
maculata Mort.		PROV: bo cc ch pa vr	000m: 0-1,1-2	RANGE: end	shrub
magnifica Oerst.		PROV: ch	000m: 2-3	RANGE: cr	shrub
microcalyx Hanst.		PROV: cc ch da vr	000m: 0-1,1-2,2-3	RANGE: cr	epiph
mira Morley		PROV: da pa	000m: 0-1,1-2	RANGE: end	herb
moorei Mort.		PROV: cn pa	000m: 0-1	RANGE: end	shrub
nervosa (Oerst.) Hanst.		PROV: vr	000m: we	RANGE: cr	herb
nicaraguensis Oerst.		PROV: bo	000m: 0-1	RANGE: cr	herb
ochroleuca (Oerst.) Hanst.		PROV: vr	000m: we	RANGE: cr	shrub
oerstediana Oerst.		PROV: vr	000m: 0-1	RANGE: cr	herb
oxyphylla J.D. Sm.		PROV: cc	000m: 0-1	RANGE: wr	shrub
panamensis Mort.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
parviflora Mort.		PROV: cc da pa vr	000m: 0-1	RANGE: col	epiphyte
pectinata Mort.		PROV: cc	000m: 0-1	RANGE: end	herb
pendula (Oerst.) Hanst.		PROV: vr	000m: we	RANGE: cr	shrub
perpulchra Mort.		PROV: cc cn vr	000m: 0-1	RANGE: end	herb
polyantha (Wiehl.) L. Skog		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	herb
pulchra (Wiehl.) L. Skog		PROV: pa	000m: 0-1	RANGE: end	shrub
purpurata Hanst.		PROV: bo ca ch cn da	000m: 0-1,1-2	RANGE: cr	herb
rubida (Mort.) Mort.		PROV: ch	000m: 1-2	RANGE: end	shrub
rubra Mort.		PROV: cc pa vr	000m: 0-1,1-2	RANGE: end	herb
sanguinolenta (Oerst.) Hanst.		PROV: bo	000m: 0-1	RANGE: cr	herb
segregata Morley		PROV: ch	000m: 0-1	RANGE: cr	shrub
serrata (Oerst.) Hanst.		PROV: vr	000m: we	RANGE: cr	herb
silvarum Mort.		PROV: da	000m: 0-1,1-2	RANGE: end	herb
tenuis Oerst.		PROV: bo ch	000m: 1-2,2-3	RANGE: end	shrub
tulae Urb.					herb
--var. tomentulosa (Mort.) Morley		PROV: bo	000m: 0-1	RANGE: cr	herb
				nic	

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
vittata (Wiehl.) L. Skog	cult.	PROV: ch	000m: 1-2	RANGE: end	herb
*zebranelia Wiehl.		PROV: pa	000m: 0-1	RANGE: end	subshrub epiph
zebrina Raymond		PROV: cc cn da pa sa	000m: 0-1,1-2	RANGE: end	herb herb shrub
Cremosperma					
maculatum L. Skog		PROV: ch	000m: 1-2	RANGE: end	herb
*occidentale Wiehl.		PROV: ch	000m: 1-2	RANGE: end	epiph herb
veraguanum Wiehl.		PROV: bo cc vr	000m: 0-1	RANGE: end	terr epiph herb
Diastema					
hispidum (DC.) Fritsch		PROV: vr	000m: 0-1	RANGE: col cr per	herb
racemiferum Benth.		PROV: ca cc da pa	000m: 0-1	RANGE: cag ecu mex ven	herb
scabrum Walp.		PROV: cc vr	000m: 0-1	RANGE: per	herb
Drymonia					
aciculata Wiehl.		PROV: pa	000m: 0-1	RANGE: end	shrub
alloplectoides Hanst.		PROV: bo cc cn da pa sa	000m: 0-1	RANGE: cr	climber herb subshrub
conchocalyx Hanst.		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: cr	climber shrub
*coriacea (Hanst.) Wiehl.		PROV: bo da vr	000m: 0-1	RANGE: cr per	climber epiph shrub
flavida L. Skog		PROV: da	000m: 0-1	RANGE: end	shrub
folesomii L. Skog		PROV: ch	000m: 1-2	RANGE: cr	subshrub
lanceolata (Hanst.) Mort.		PROV: bo ch vr	000m: 1-2,2-3	RANGE: cr	herb
macrantha (J.D. Sm.) D. Gibson		PROV: ch	000m: 1-2	RANGE: cag cr gua mex	subshrub
macrophylla (Oerst.) H.E. Moore		PROV: bo cc cn pa vr	000m: 0-1	RANGE: bel cag? cr gua per	shrub herb shrub climber
*microphylla Wiehl.		PROV: pa	000m: 0-1,1-2	RANGE: end	climber
multiflora (Hanst.) Wiehl.		PROV: bo cc pa sa vr	000m: 0-1	RANGE: cr	climber shrub
parviflora Hanst.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb subshrub
*pillifera Wiehl.		PROV: bo cc vr	000m: 0-1	RANGE: cr	shrub epiph
rubra Mort.		PROV: bo cc ch vr	000m: 0-1,1-2,2-3	RANGE: cr	climber shrub
serrulata (Jacq.) Mart.		PROV: bo ca cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: cag? col lag mex sag? sao	climber herb shrub climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
<i>stenophylla</i> (J.D. Sm.) H.E. Moore		PROV: ch	000m: 0-1,1-2	RANGE: cr	shrub
<i>sulphurea</i> Wiehl.		PROV: pa	000m: 0-1	RANGE: end	herb
<i>turrialvae</i> Hanst.		PROV: bo cc ch da vr	000m: 0-1,1-2	RANGE: cr ecu	subshrub
<i>variegata</i> Uribe		PROV: da	000m: 1-2	RANGE: col	herb
<i>warscewicziana</i> Hanst.		PROV: bo cc cn da vr	000m: 0-1,1-2	RANGE: cr	shrub
					herb
					shrub
					climber
<i>Episcia</i>					
<i>cupreata</i> (Hook.) Hanst.		intr. cult.			
		PROV: ca pa	000m: 0-1	RANGE: col sao ven	herb
<i>lilacina</i> Hanst.		PROV: bo ca da pa sa vr	000m: 0-1	RANGE: col cr nic	herb
<i>Gasteranthus</i>					
<i>acropodus</i> (J.D. Sm.) Wiehl.		PROV: bo cc cn pa sa	000m: 0-1	RANGE: cr	subshrub
<i>delphinioides</i> (Seem.) Wiehl.		PROV: cn da pa sa vr	000m: 0-1	RANGE: col cr	shrub
<i>dressleri</i> Wiehl.		PROV: cn	000m: 0-1	RANGE: end	herb
<i>imbricans</i> (J.D. Sm.) Wiehl.		PROV: bo	000m: 0-1	RANGE: cr	subshrub
<i>*maculatus</i> Wiehl.		PROV: da	000m: 1-2	RANGE: end	shrub
<i>*tinctus</i> (Mort.) Wiehl.		PROV: da	000m: 1-2	RANGE: col	terr
<i>wendlandianus</i> (Hanst.) Wiehl.		PROV: bo ch da vr	000m: 0-1,1-2,2-3	RANGE: cr	herb
<i>Gloxinia</i>					
<i>perennis</i> (L.) Fritsch		intr. cult. nat.			
		PROV: ca pa	000m: 0-1	RANGE: col per ven	herb
<i>Koellikeria</i>					
<i>erinoides</i> (DC.) Mansf.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: bol col cr ven	herb
<i>Kohleria</i>					
<i>allenii</i> Standl. & L.O. Wms.		PROV: ch	000m: 0-1	RANGE: cr	herb
<i>spicata</i> (Kunth) Oerst.		PROV: bo cc ch vr	000m: 0-1,1-2	RANGE: cag col cr mex	herb
<i>tubiflora</i> (Cav.) Hanst.		PROV: ca cc cn da lo pa sa vr	000m: 0-1	RANGE: col cr ven	herb
					shrub
<i>Monopyle</i>					
<i>*grandiflora</i> Wiehl.		PROV: da	000m: 1-2	RANGE: end	terr
<i>macrocarpa</i> Benth.		PROV: cc da pa sa	000m: 0-1	RANGE: col per	herb
					subshrub
<i>maxonii</i> Mort.		PROV: bo ch vr	000m: 0-1,1-2	RANGE: cr	shrub
					herb
					shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
panamensis Mort.		PROV: pa	000m: 0-1	RANGE: end	herb
Moussonia					
ampla L. Skog		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
serrulata (Mort.) Wiehl.		PROV: ch	000m: 1-2,2-3	RANGE: end	subshrub shrub
Napeanthus					
apodemus J.D. Sm.		PROV: ca cc cn da pa sa vr	000m: 0-1	RANGE: col cr	herb
Nautilocalyx					
colombianus Wiehl.		PROV: ca cn da sa	000m: 0-1	RANGE: col	herb shrub
*colonensis Wiehl.		PROV: cn	000m: 0-1	RANGE: end	herb
dressleri Wiehl.		PROV: cc vr	000m: 0-1	RANGE: end	herb
panamensis (Seem.) Seem.		PROV: ca da pa	000m: 0-1	RANGE: col mex	herb
*speciosus Wiehl.		PROV: bo	000m: 0-1	RANGE: end	herb
Neomortonia					
*nummularia (Hanst.) Wiehl.		PROV: ch cn	000m: 0-1	RANGE: cr gua mex	epiph herb
rosea Wiehl.		PROV: da pa	000m: 0-1	RANGE: col cr	herb
Oerstedina					
carricola Wiehl.		PROV: bo ch	000m: 1-2,2-3	RANGE: end	herb
suffrutescens L. Skog		PROV: vr	000m: 0-1,1-2	RANGE: end	subshrub subshrub
Paradrymonia					
*alba Wiehl.		PROV: bo	000m: 0-1	RANGE: end	epiph herb
decurrens (Mort.) Wiehl.		PROV: bo cc cn pa vr	000m: 0-1	RANGE: cr	herb subshrub
*flava Wiehl.		PROV: cc cn da pa vr	000m: 0-1	RANGE: end	epiphyte
hirta L. Skog		PROV: da	000m: 0-1	RANGE: col	herb
lineata (Mort.) Wiehl.		PROV: cc vr	000m: 0-1	RANGE: end	subshrub herb
*macrophylla Wiehl.		PROV: cc ch vr	000m: 0-1,1-2	RANGE: end	subshrub epiph
metamorphophylla (J.D. Sm.) Wiehl.		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	herb
ommata L. Skog		PROV: bo	000m: 0-1	RANGE: end	subshrub herb
pedunculata L. Skog		PROV: da	000m: 0-1	RANGE: cag	subshrub herb
Phinaea					
albiflora Rusby		PROV: ch	000m: 1-2	RANGE: col	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
262 (175) GESNERIACEAE cont.					
<i>Iacerata</i> Mort.		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: cr	herb
<i>Reldia</i>					
<i>alternifolia</i> Wiehl.		PROV: cn pa sa	000m: 0-1	RANGE: end	herb
<i>veraguensis</i> Wiehl.		PROV: bo cc vr	000m: 0-1	RANGE: end	herb
<i>Rufodorsia</i>					
<i>intermedia</i> Wiehl.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: end	herb subshrub
<i>major</i> Wiehl.		PROV: pa	000m: 0-1,1-2	RANGE: end	herb shrub
<i>minor</i> Wiehl.		PROV: cc cn pa vr	000m: 0-1	RANGE: cr	herb
<i>Sinningia</i>					
<i>incarnata</i> (Aubl.) Denham		PROV: ca cc pa	000m: 0-1	RANGE: cag col gui mex sao ven	herb
<i>Solenophora</i>					
<i>calycosa</i> J.D. Sm.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr gua hon sal	herb shrub tree
264 (176) LENTIBULARIACEAE					
<i>Pinguicula</i>					
<i>crenatiloba</i> DC.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: gua hon mex sal	herb
<i>Utricularia</i>					
<i>alpina</i> Jacq.		PROV: pa	000m: 0-1	RANGE: ang col gui nic ven	herb
<i>amethystina</i> St. Hil. & Girard		PROV: cc ch da pa vr	000m: 0-1,1-2	RANGE: cag? fla sag? sao	herb
<i>endresii</i> Rchb. f.		PROV: ch da pa vr	000m: 0-1,1-2	RANGE: col cr ecu	herb
<i>foliosa</i> L.		PROV: ca pa	000m: 0-1	RANGE: afr cag cub gal nag sag sao	herb
<i>hydrocarpa</i> Vahl		PROV: ca cc pa	000m: 0-1	RANGE: bel bol cag? cub gui sag? sao	herb
<i>jamesoniana</i> Oliv.		PROV: da pa	000m: 0-1	RANGE: ang cag? ecu gua gui per sag?	herb
<i>lloydii</i> Merl		PROV: cc	000m: 0-1	RANGE: gui sao	herb
<i>obtusata</i> Sw.		PROV: ca ch	000m: 0-1,1-2	RANGE: afr ang cag jam sag	herb
<i>praetermissa</i> P. Taylor		PROV: cc ch pa vr	000m: 0-1	RANGE: col? cr nic	herb
* <i>pubescens</i> Sm.		PROV: cc pa	000m: 0-1,1-2	RANGE: ven	herb
<i>pusilla</i> Vahl		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: cag? gui mex sag? sao	herb
<i>subulata</i> L.		PROV: cc pa	000m: 0-1	RANGE: afr asi cag eur nag nao sag sao	herb
<i>unifolia</i> R. & P.		PROV: ch da	000m: 0-1,1-2	RANGE: bol col cr ecu per	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
266 (177) ACANTHACEAE					
<i>Apelandra</i>					
<i>arnoldii</i> Mildbr.		PROV: ch	000m: 1-2,2-3	RANGE: col ven	herb
<i>aurantiaca</i> (Scheidw.) Lindl.		PROV: bo cc vr	000m: 0-1,1-2	RANGE: bol cr gua mex nic	herb
<i>campanensis</i> Durkee		PROV: bo ca cc cn pa	000m: 0-1	RANGE: cr	shrub
<i>crenata</i> Leonard		PROV: bo da	000m: 0-1	RANGE: col	shrub
<i>darienensis</i> Wassh.		PROV: da	000m: 0-1	RANGE: end	shrub
<i>dolicantha</i> J.D. Sm.		PROV: bo vr	000m: 0-1	RANGE: cag col cr gua	shrub
* <i>golfodulcensis</i> McDade		PROV: ch	000m: 0-1	RANGE: cr	shrub
<i>gracilis</i> Leonard		PROV: cc cn pa sa vr	000m: 0-1,1-2	RANGE: end	shrub
<i>hartwegiana</i> Nees		PROV: bo da	000m: 0-1	RANGE: col	shrub
<i>laxa</i> Durkee		PROV: sa	000m: 0-1	RANGE: end	shrub
* <i>leonardii</i> McDade		PROV: cn da pa sa	000m: 0-1	RANGE: cr	shrub
<i>lingua-bovis</i> Leonard		PROV: cc cn da sa	000m: 0-1,1-2	RANGE: col	shrub
* <i>panamensis</i> McDade		PROV: cc cn da pa sa	000m: 0-1	RANGE: end	shrub
<i>pilosa</i> Leonard		PROV: pa	000m: 0-1	RANGE: col	shrub
* <i>scabra</i> (Vahl) Sm.		PROV: ca ch cn da he	000m: 0-1,1-2	RANGE: ang cag mex sag?	shrub
<i>seibertii</i> Leonard		PROV: cc	000m: 0-1	RANGE: cr	herb
<i>sinclairiana</i> Nees		PROV: bo ca cc ch cn	000m: 0-1	RANGE: cr	shrub
<i>terryae</i> Standl.		PROV: ca da pa sa	000m: 0-1	RANGE: col	tree
<i>tonduzii</i> Leonard		PROV: ch	000m: 1-2	RANGE: cr	shrub
<i>Asystasia</i>					
<i>gangetica</i> (L.) Anders.	cult.	PROV: cc da pa	000m: 0-1	RANGE: afr asi	herb
<i>Barleria</i>					
* <i>cristata</i> L.	intr.	PROV: cc he	000m: 0-1	RANGE: owt	tree
<i>micans</i> Nees		PROV: ca cc ch lo pa	000m: 0-1	RANGE: cr nic	herb
<i>Blechum</i>					
<i>brownei</i> Juss.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: ang asi cag mex oce	herb
<i>costaricense</i> Oerst.		PROV: da he lo pa sa vr		RANGE: sag sat	
<i>panamense</i> Lindau		PROV: ca ch da pa vr	000m: 0-1,1-2	RANGE: cr	herb
		PROV: bo ca cn pa sa	000m: 0-1	RANGE: nwt	subshrub
<i>Bravaisia</i>					
<i>integerrima</i> (Spr.) Standl.		PROV: bo ch	000m: 0-1	RANGE: cag col cr mex per	tree
* <i>Buceragenia</i>					
* <i>glandulosa</i> Leonard		PROV: pa	000m: 0-1	RANGE: cr gua mex nic	herb?

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
266 (177) ACANTHACEAE cont.					
<i>Chaetochlamys</i> <i>panamensis</i> Lindau		PROV: ca ch cn he lo pa vr	000m: 0-1	RANGE: wr	herb
<i>Chaetothylax</i> <i>leucanthus</i> Leonard		PROV: ca pa	000m: 0-1	RANGE: col	herb
<i>Dicliptera</i> <i>gracilis</i> Leonard		PROV: ch	000m: 1-2	RANGE: end	herb
<i>imbricata</i> Leonard		PROV: cc vr	000m: 0-1	RANGE: cr	herb
<i>iopus</i> Lindau		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	shrub
<i>trifurca</i> Oerst.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
<i>vahlana</i> Nees		PROV: ca ch cn da lo pa	000m: 0-1	RANGE: ang col fla	herb
<i>Dyschoriste</i> <i>valeriana</i> Leonard		PROV: pa	000m: 0-1	RANGE: cr	herb shrub
<i>Elytraria</i> <i>imbricata</i> (Vahl) Pers.		PROV: ca cc ch cn he lo pa	000m: 0-1,1-2	RANGE: cag cr nag? nic sag? sao	herb
<i>Graptophyllum</i> <i>pictum</i> (L.) Griff.	cult.	PROV: pa	000m: 0-1	RANGE: afr	shrub
<i>Habracanthus</i> <i>silvaticus</i> Nees		PROV: vr	000m: 0-1	RANGE: cag mex	shrub
<i>Hansteinia</i> <i>reflexiflora</i> Leonard		PROV: bo ch vr	000m: 1-2,2-3	RANGE: end	herb
<i>ventricosa</i> (J.D. Sm.) D. Gibson		PROV: bo ch	000m: 1-2,2-3	RANGE: cr	herb
<i>Hemigraphis</i> <i>alternata</i> (Burm. f.) T. Anders.	cult.	PROV: ca	000m: 0-1	RANGE: asi bel	herb
* <i>Henrya</i> * <i>insularis</i> Nees		PROV: vr	000m: 0-1	RANGE: cag mex	herb
<i>Herpetacanthus</i> <i>panamensis</i> Leonard		PROV: bo ca cn	000m: 0-1	RANGE: cr	herb
<i>Hygrophila</i> * <i>costata</i> Nees		PROV: bo ca cc pa vr	000m: 0-1	RANGE: cag mex sag sao	herb
<i>Justicia</i> <i>adhatoda</i> L.		PROV: pa	000m: 0-1	RANGE: owt	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
266 (177) ACANTHACEAE cont.					
allenii (Leonard) Durkee		PROV: cc	000m: 0-1,1-2	RANGE: end	shrub
aurea Schlecht.		PROV: cc ch da sa vr	000m: 0-1,1-2,2-3	RANGE: cag mex	shrub
carthaginensis Jacq.		PROV: bo ca cc he pa	000m: 0-1	RANGE: cag mex	herb
chamaephyton D. Gibson		PROV: bo ch da sa	000m: 0-1	RANGE: cr	herb
comata (L.) Lam.		PROV: bo ca ch cn da he pa sa	000m: 0-1,1-2	RANGE: cr jam nic	herb
crenata (Leonard) Durkee		PROV: bo	000m: 0-1	RANGE: cr	shrub
graciliflora (Standl.) D. Gibson		PROV: ca da pa vr	000m: 0-1,1-2	RANGE: end	climber
macrantha Benth.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag cr mex	shrub
metallica Lindau		PROV: bo ca ch cn da pa	000m: 0-1	RANGE: cr	herb
oerstedii Leonard		PROV: cc ch cn pa	000m: 0-1,1-2	RANGE: cr	herb
panamense Durkee		PROV: pa	000m: 0-1	RANGE: end	herb
pectoralis Jacq.					
--var. macrophyllus Durkee		PROV: da	000m: 0-1	RANGE: end	herb
--var. pectoralis		PROV: ca ch cn da pa	000m: 0-1	RANGE: ang cag cr nic nwt sag	herb
refractifolia (Kuntze) Leonard		PROV: bo cn da pa sa	000m: 0-1,1-2	RANGE: cr	herb
*refulgens Leonard		PROV: ch	000m: 1-2	RANGE: end	shrub
secunda Vahl		PROV: bo ca cc cn da he pa	000m: 0-1	RANGE: ang col trt	herb
tinctoria (Oerst.) D. Gibson					
cult.		PROV: ch da pa	000m: 0-1,1-2	RANGE: cag cr	shrub
trichotoma (Kuntze) Leonard		PROV: bo da sa	000m: 0-1	RANGE: cr	shrub
urophylla (Lindau) D. Gibson		PROV: ch da vr	000m: 0-1	RANGE: cr	shrub
Kalbreyeriella					
rostellata Lindau		PROV: cn sa	000m: 0-1,1-2	RANGE: col	herb subshrub
Louteridium					
costaricense Radlk. & J.D. Sm.		PROV: bo ca cc cn da he lo pa sa	000m: 0-1	RANGE: cr	shrub
Megaskepasma					
erythrochlamys Lindau	cult.	PROV: ch	000m: 0-1	RANGE: cr ven	shrub
Mendoncia					
brenesii Standl. & Leonard		PROV: ch	000m: 1-2	RANGE: cr	climber
cordata Leonard		PROV: bo cn	000m: 0-1	RANGE: col	climber
costaricana Oerst.		PROV: ch	000m: 1-2	RANGE: cr	climber
gracilis Turrii		PROV: ca pa	000m: 0-1	RANGE: col	climber
hirsuta (P. & E.) Nees		PROV: da	000m: 0-1	RANGE: bol col gui per	climber
lindavii Rusby		PROV: ca cc da	000m: 0-1,1-2	RANGE: bel bol cag? gua sag?	climber
litoralis Leonard		PROV: ca ch da lo pa sa	000m: 0-1	RANGE: col	climber
retusa Turrii		PROV: bo ca da pa	000m: 0-1	RANGE: cr	climber
tonduzii Turrii		PROV: cc cn	000m: 0-1	RANGE: cr	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
266 (177) ACANTHACEAE cont.					
<i>Nelsonia</i>					
<i>brunelloides</i> (Lam.) Kuntze		PROV: ca cc ch da lo pa	000m: 0-1	RANGE: ang asi cag col mex owg sao	herb
<i>Neriacanthus</i>					
<i>grandiflorus</i> Leonard		PROV: ch vr	000m: 0-1,1-2	RANGE: col	shrub
<i>Odontonema</i>					
<i>microphyllus</i> Durkee		PROV: cn pa	000m: 0-1	RANGE: end	shrub
* <i>tubiforme</i> (Bertol.) Kuntze		PROV: bo ca cc ch cn da pa pa sa vr	000m: 0-1,1-2	RANGE: cag cr hon mex nic	shrub herb subshrub
* <i>Poikilacanthus</i>					
* <i>macrantha</i> Lindau		PROV: ch	000m: 1-2	RANGE: gua	shrub
<i>Pseuderanthemum</i>					
<i>atropurpureum</i> (Bull) Bailey cult.		PROV: ca cn pa	000m: 0-1	RANGE: oce	shrub tree
<i>cordatum</i> (Nees) Radik.		PROV: ca cn da pa	000m: 0-1	RANGE: sao	herb
<i>cuspidatum</i> (Nees) Radik.		PROV: ca da pa	000m: 0-1	RANGE: cag mex sag	herb
<i>standleyi</i> Leonard		PROV: ch	000m: 1-2	RANGE: cr	herb
<i>Razisea</i>					
<i>spicata</i> Oerst.		PROV: bo ca cc ch da pa sa vr	000m: 0-1,1-2	RANGE: col cr	shrub
<i>Ruellia</i>					
<i>anthracina</i> Leonard		PROV: cc pa vr	000m: 0-1	RANGE: end	herb
<i>biolleyi</i> Lindau		PROV: bo cn da	000m: 0-1	RANGE: cr	herb
<i>colonensis</i> Wassh.		PROV: cn	000m: 0-1	RANGE: end	herb
<i>cooperi</i> Leonard		PROV: bo	000m: 0-1	RANGE: end	herb
<i>fulgida</i> Andr.					
--var. <i>angustissima</i> (Hochr.) Leonard		PROV: cc	000m: 0-1	RANGE: col ven	herb
--var. <i>fulgida</i>		PROV: ca cc da he	000m: 0-1	RANGE: ang	herb
<i>geminiflora</i> H.B.K.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag col	herb
<i>inundata</i> H.B.K.		PROV: ca cc he lo pa	000m: 0-1	RANGE: cag col mex nic sao	herb
<i>leucobracteatus</i> Durkee		PROV: sa	000m: 0-1	RANGE: cag	shrub
<i>macrophylla</i> Vahl		PROV: da	000m: 0-1	RANGE: ang col per sao ven	herb shrub
<i>malacosperma</i> Greenm. cult.		PROV: pa	000m: 0-1	RANGE: mex	herb
<i>metallica</i> Leonard		PROV: bo ca cc cn da	000m: 0-1	RANGE: cr nic	herb
<i>nudiflora</i> (Engelm. & Gray) Urb.					
--var. <i>puberula</i> Leonard		PROV: ca cc lo pa	000m: 0-1	RANGE: cr gua	herb
<i>pittieri</i> Lindau		PROV: bo ch cn da	000m: 0-1	RANGE: cr	herb
<i>praeclara</i> Standl.		PROV: bo cn sa	000m: 0-1	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
266 (177) ACANTHACEAE cont.					
tonduzii Lindau		PROV: ch cn da	000m: 0-1	RANGE: cr	herb
*tuberosa L.		intr. nat.			
		PROV: ca pa	000m: 0-1	RANGE: ang cag?	herb
tubiflora H.B.K.					
--var. tetrasticantha (Lindau) Leonard		PROV: bo cc cn da vr	000m: 0-1	RANGE: col cr	herb
--var. tubiflora		PROV: cn da pa	000m: 0-1,1-2	RANGE: wr	shrub herb
Sanchezia					
pennellii Leonard		PROV: da sa	000m: 0-1	RANGE: col per	herb
Staurogyne					
agrestis Leonard		PROV: ca	000m: 0-1	RANGE: cr	herb
*Streblacanthus					
*monospermus Kuntze		PROV: bo	000m: 0-1	RANGE: cr	herb
Teliostachya					
alopécuroidea (Vahl) Nees		PROV: ca cc pa vr	000m: 0-1	RANGE: ang cag col gui per sao trt ven	herb
Tetramerium					
*nervosum Nees		PROV: ca cc he pa	000m: 0-1	RANGE: cag mex sag? sat	herb
Thunbergia					
alata Boj.		PROV: ca cc	000m: 0-1	RANGE: afr asi cag oce sag	climber
erecta (Benth.) T. Anders.					
	cult.	PROV: ca pa	000m: 0-1	RANGE: afr cr jam	shrub
fragrans Roxb.		PROV: bo ca he lo	000m: 0-1	RANGE: asi	climber
grandiflora Roxb.	cult.	PROV: bo ca	000m: 0-1	RANGE: asi	climber
Trichanthera					
gigantea (H. & B.) Nees		PROV: ca cc cn da lo pa	000m: 0-1	RANGE: col cr gui ven	shrub tree

269 (178) PLANTAGINACEAE

Plantago					
australis Lam.		PROV: ch	000m: 1-2	RANGE: nwt	herb
lanceolata L.	intr.	PROV: ch	000m: 1-2	RANGE: eur wdw	herb
major L.	cult.	PROV: ca ch he	000m: 0-1,1-2,2-3	RANGE: wdw	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE					
<i>Alibertia</i>					
<i>edulis</i> (A. Rich.) A. Rich.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: ang cag? mex sag?	shrub tree
<i>garapatica</i> (Karst.) Schum.		PROV: cc ch cn he pa vr	000m: 0-1,1-2	RANGE: col mex	shrub tree
<i>Allenanthus</i>					
<i>erythrocarpus</i> Standl.		PROV: cc pa	000m: 0-1	RANGE: cr	tree
<i>Alseis</i>					
<i>blackiana</i> Hemsl.		PROV: ca da	000m: 0-1	RANGE: col	tree
<i>dariensis</i> Dwyer		PROV: da	000m: 0-1	RANGE: end	tree
<i>Amaioua</i>					
<i>corymbosa</i> H.B.K.		PROV: ca cc ch cn da pa vr	000m: 0-1	RANGE: cag col cub gui mex	shrub tree
<i>magnicarpa</i> Dwyer		PROV: cn pa	000m: 0-1	RANGE: end	tree
<i>pedicellata</i> Dwyer		PROV: cc vr	000m: 0-1	RANGE: end	tree
<i>Amphidaysa</i>					
<i>ambigua</i> (Standl.) Standl.		PROV: cn da pa sa	000m: 0-1	RANGE: col	subshrub
<i>spathulata</i> Dwyer		PROV: da	000m: 0-1	RANGE: end	subshrub
<i>Antirhea</i>					
<i>trichantha</i> (Griseb.) Hemsl.		PROV: ca da pa	000m: 0-1	RANGE: end	tree
<i>Appunia</i>					
<i>seibertii</i> Standl.		PROV: ca da pa sa	000m: 0-1	RANGE: col	shrub
<i>Arcytophyllum</i>					
<i>lavarum</i> Schum.		PROV: ch	000m: 2-3,3+	RANGE: cr	subshrub
<i>Bathysa</i>					
<i>veraguensis</i> Dwyer		PROV: cc vr	000m: 0-1,1-2	RANGE: end	tree
<i>Bertiera</i>					
<i>angustifolia</i> Benth.		PROV: bo da vr	000m: 0-1	RANGE: cr per	shrub tree
<i>guianensis</i> Aubl.		PROV: bo ca ch da pa	000m: 0-1	RANGE: ang bol cag gui mex sag? sao	shrub tree
<i>Borojoa</i>					
<i>atlantica</i> Dwyer		PROV: cn pa	000m: 0-1	RANGE: end	tree
<i>panamensis</i> Dwyer		PROV: cc	000m: 0-1	RANGE: end	tree
<i>patinoi</i> Cuatr.		PROV: da	000m: 0-1	RANGE: col	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
<i>Borreria</i>					
<i>densiflora</i> DC.		PROV: bo ca ch cn he pa sa vr	000m: 0-1,1-2,2-3	RANGE: ang cag col jam mex sag? ven	herb
<i>laevis</i> (Lam.) Griseb.		PROV: bo ca cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: ang cag gui his sag sao	herb
<i>latifolia</i> (Aubl.) Schum.		PROV: ca ch cn pa vr	000m: 0-1,1-2,2-3	RANGE: ang cag gui sag sao	herb
<i>ocimoides</i> (Burm. f.) DC.		PROV: ca cc ch da pa	000m: 0-1,1-2	RANGE: asi mex wdt	herb
<i>pumilio</i> Standl.		PROV: ca cc	000m: 0-1	RANGE: end	herb
<i>suaveolens</i> G. Meyer		PROV: ca ch pa vr	000m: 0-1,1-2	RANGE: cag? gui sag? sao	herb
* <i>verticillata</i> (L.) Meyer		PROV: pa sa vr	000m: 0-1	RANGE: nic	herb
<i>Bouvardia</i>					
<i>glabra</i> Polak.		PROV: ch	000m: 0-1	RANGE: cr gua mex	shrub
* <i>laevis</i> Mart. & Gal.		PROV: ch	000m: 0-1	RANGE: cr mex	shrub
<i>Calycophyllum</i>					
<i>candidissimum</i> (Vahl) DC.		PROV: ca cc da lo pa	000m: 0-1	RANGE: ang cag col mex ven	tree
<i>Cephaelis</i>					
<i>axillaris</i> Sw.		PROV: ch da	000m: 1-2,2-3	RANGE: ang cag col mex ven	shrub
* <i>barcellana</i> (Muell.-Arg.) Standl.		PROV: da	000m: 0-1	RANGE: sat	shrub
<i>bristanii</i> Dwyer & Hayden		PROV: bo da	000m: 0-1	RANGE: cr	subshrub
<i>camponotans</i> Dwyer & Hayden		PROV: bo cn pa vr	000m: 0-1	RANGE: end	subshrub
* <i>caput-anguis</i> (Dwyer & Hayden) Dwyer		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>correae</i> Dwyer & Hayden		PROV: cc	000m: 0-1	RANGE: end	tree
<i>croatii</i> Dwyer		PROV: da	000m: 1-2	RANGE: end	shrub
<i>dichroa</i> (Standl.) Standl.		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub
<i>dimorphandrioides</i> Dwyer		PROV: ch vr	000m: 0-1	RANGE: end	shrub
<i>discolor</i> Polak.		PROV: bo ca cn da pa vr	000m: 0-1	RANGE: col cr nic	subshrub
<i>dressleri</i> Dwyer		PROV: cn da sa	000m: 0-1,1-2	RANGE: col	subshrub
<i>elata</i> Sw.		PROV: ca cc ch cn da pa sa vr	000m: 0-1,1-2	RANGE: jam	shrub
<i>gaugeri</i> Dwyer		PROV: pa	000m: 0-1	RANGE: end	tree
<i>glomerulata</i> J.D. Sm.		PROV: bo ca cc cn pa sa vr	000m: 0-1	RANGE: cag? gua	subshrub
<i>insueta</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>ipecacuanha</i> (Brot.) A. Rich.		PROV: ca da sa	000m: 0-1	RANGE: nwt	subshrub
<i>kennedyi</i> Dwyer		PROV: pa sa	000m: 0-1,1-2	RANGE: end	subshrub
<i>latistipulata</i> Standl.		PROV: ch	000m: 0-1	RANGE: cr	subshrub
<i>nana</i> (Standl.) Standl.		PROV: ca	000m: 0-1	RANGE: nic	subshrub
<i>panamensis</i> Dwyer		PROV: cn	000m: 0-1	RANGE: end	shrub?
<i>panchoensis</i> Dwyer		PROV: da	000m: 0-1	RANGE: col	subshrub
<i>tomentosa</i> (Aubl.) Vahl		PROV: bo ca cc cn da lo pa sa vr	000m: 0-1,1-2	RANGE: cag? sag?	shrub
<i>vultusmimi</i> Dwyer		PROV: cn	000m: 0-1	RANGE: end	subshrub
* <i>williamsii</i> Standl.		PROV: cc pa	000m: 0-1	RANGE: per	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
Chimarrhis					
latifolia Standl.		PROV: ch	000m: 0-1	RANGE: cr	tree
parviflora Standl.		PROV: bo pa vr	000m: 0-1	RANGE: cr	tree
Chiococca					
alba (L.) Hitchc.		PROV: bo ca ch cn da	000m: 0-1,1-2	RANGE: ang bel cag gua sag	climber
		he lo pa sa		sao tex	shrub
durifolia Dwyer		PROV: cc cn pa	000m: 0-1	RANGE: col	climber
					shrub
jefensis Dwyer		PROV: pa	000m: 0-1	RANGE: end	tree?
phaenostemon Schlecht.		PROV: ch	000m: 0-1,1-2	RANGE: cr gua hon mex	shrub
					tree
Chione					
buxifolia Dwyer & Hayden		PROV: pa	000m: 0-1	RANGE: end	shrub
campanensis Dwyer		PROV: pa	000m: 0-1	RANGE: end	tree
costaricensis Standl.		PROV: cn	000m: 0-1	RANGE: cr	tree
darienensis Dwyer		PROV: da	000m: 0-1	RANGE: end	tree
*mexicana Standl.		PROV: cc	000m: 0-1	RANGE: mex nic	tree
panamensis Steyerf.		PROV: ch pa sa	000m: 0-1,1-2	RANGE: end	tree
					shrub
Chomelia					
atlantica Dwyer		PROV: cn da	000m: 0-1	RANGE: end	tree
					shrub
coclensis Dwyer		PROV: cc	000m: 0-1	RANGE: end	shrub
grandicarpa Dwyer		PROV: cn	000m: 0-1	RANGE: end	tree
leucophylla Dwyer		PROV: cn da	000m: 0-1	RANGE: end	tree
panamensis (Standl.) Dwyer		PROV: ch da lo pa sa	000m: 0-1	RANGE: col	tree
peninsularis Dwyer		PROV: ch	000m: 0-1	RANGE: end	shrub
*polyantha Blake		PROV: da	000m: 0-1	RANGE: per sat ven	shrub
psilocarpa Dwyer & Hayden		PROV: ca da	000m: 0-1	RANGE: end	shrub
					climber
recordii Standl.					
--var. paucipubescens Dwyer		PROV: ca	000m: 0-1	RANGE: end	shrub
--var. recordii		PROV: da pa	000m: 0-1	RANGE: col cr gua nic	tree
					shrub
spinosa Jacq.		PROV: ca cc da he lo	000m: 0-1	RANGE: cag col mex sao ven	tree
		pa vr			shrub
Cinchona					
pubescens Vahl		PROV: ch	000m: 1-2	RANGE: cr sag?	tree
Coccocypselum					
cordifolium Nees & Mart.		PROV: ch da	000m: 1-2	RANGE: cag gua mex sao	herb
herbaceum P. Br.		PROV: bo ca cc ch he	000m: 0-1,1-2	RANGE: ang cag sag	herb
		pa sa vr			
hirsutum DC.					
--var. glabrum (DC.) L.O. Wms.		PROV: ch cn pa	000m: 0-1,1-2	RANGE: bel gua mex nic	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
--var. <i>hirsutum</i> <i>lanceolatum</i> (R. & P.) Pers.		PROV: ca ch cn pa sa PROV: cc ch da he vr	000m: 0-1 000m: 0-1,1-2	RANGE: bol cag col mex trt RANGE: bol cag per sag? sao	herb herb
<i>Coffea</i> <i>arabica</i> L.		intr. cult. PROV: cc ch pa	000m: 0-1	RANGE: afr	shrub tree
<i>liberica</i> Hiern		intr. cult. PROV: cn	000m: 0-1	RANGE: afr	shrub tree
<i>Condaminea</i> <i>corymbosa</i> (R. & P.) DC.		PROV: ch	000m: 0-1,1-2	RANGE: bol cr sag?	shrub tree
<i>petiolata</i> Dwyer		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>Cosmibuena</i> <i>ovalis</i> Standl. <i>skinneri</i> (Oerst.) Hemsl.		PROV: cc ch PROV: ca cc cn da pa sa	000m: 0-1 000m: 0-1	RANGE: cr RANGE: cag col mex nic	tree tree
<i>Coussarea</i> <i>cerroazulensis</i> Dwyer & Hayden <i>curvigemmia</i> Dwyer		PROV: pa PROV: bo ca cc cn da pa	000m: 0-1 000m: 0-1	RANGE: end RANGE: cr	tree shrub tree
<i>durifolia</i> Dwyer <i>enneantha</i> Standl. <i>garciae</i> Standl.		PROV: pa PROV: bo cc da pa PROV: da	000m: 0-1 000m: 0-1,1-2 000m: 0-1	RANGE: end RANGE: end RANGE: col	tree shrub shrub tree
<i>jefensis</i> Dwyer <i>latifolia</i> Standl. <i>loftonii</i> (Dwyer & Hayden) Dwyer		PROV: pa PROV: bo cn pa PROV: cn pa	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: end RANGE: col cr RANGE: end	tree tree shrub tree
<i>morii</i> Dwyer <i>nebulosa</i> Dwyer <i>neei</i> Dwyer		PROV: da PROV: ch PROV: da vr	000m: 0-1 000m: 1-2 000m: 0-1	RANGE: end RANGE: end RANGE: end	tree shrub tree shrub
<i>paniculata</i> (Vahl) Standl. <i>roseo-cremea</i> Dwyer <i>veraguensis</i> Dwyer <i>villosula</i> Dwyer		PROV: da PROV: pa PROV: vr PROV: cc da	000m: 0-1 000m: 0-1 000m: 0-1 000m: 0-1	RANGE: gui sag? trt RANGE: end RANGE: end RANGE: end	tree shrub tree tree
<i>Coutarea</i> <i>hexandra</i> (Jacq.) Schum.		PROV: ca cc ch cn da he pa	000m: 0-1	RANGE: ang cag col mex per sag? sao	tree shrub
<i>Crusea</i> <i>coccinea</i> DC. --var. <i>chiriquiensis</i> W.R. Anderson		PROV: ch	000m: 0-1,1-2	RANGE: cr	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
<i>longiflora</i> (R. & S.) W.R. Anderson		PROV: ch	000m: 1-2	RANGE: cag mex	herb subshrub
<i>Declieuxia</i> <i>fruticosa</i> Kuntze		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: cag? mex sag? sao ven	herb
<i>Deppea</i> <i>grandiflora</i> Schlecht. <i>panamensis</i> Dwyer		PROV: ch PROV: pa	000m: 2-3 000m: 0-1	RANGE: cag cr mex RANGE: end	tree tree
<i>Didymaea</i> <i>alsinoides</i> (Schlecht. & Cham.) Standl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
<i>Didymochlamys</i> <i>connellii</i> N.E. Br.		PROV: cc sa	000m: 0-1	RANGE: gui ven	herb
<i>Diodia</i> <i>denudata</i> Standl.		PROV: ca cn da pa	000m: 0-1	RANGE: col	climber subshrub shrub
<i>sarmentosa</i> Sw.		PROV: ca cn vr	000m: 0-1	RANGE: afr ang asi cag jam oce sag?	herb shrub
<i>teres</i> Walt.		PROV: cc ch he vr	000m: 0-1,1-2	RANGE: cag fla nag nao nao sag tex	herb
<i>Elaeagia</i> <i>auriculata</i> Hemsl.		PROV: da	000m: 0-1	RANGE: cr hon	shrub tree
<i>nitidifolia</i> Dwyer		PROV: da pa sa	000m: 0-1,1-2	RANGE: end	tree
<i>Exostema</i> <i>mexicanum</i> A. Gray		PROV: ca pa	000m: 0-1	RANGE: bel cr gua hon mex sal	tree
<i>Faramea</i> <i>altipetens</i> Dwyer <i>bocataurensis</i> Dwyer <i>bullata</i> Standl.		PROV: da PROV: bo PROV: bo vr	000m: 1-2 000m: 0-1 000m: 0-1	RANGE: end RANGE: end RANGE: end	tree tree tree shrub
<i>caput-anguis</i> Dwyer & Hayden <i>eurycarpa</i> J.D. Sm. <i>jefensis</i> Dwyer & Hayden		PROV: pa PROV: cc cn da pa PROV: pa	000m: 0-1 000m: 0-1 000m: 0-1	RANGE: end RANGE: col cr ecu RANGE: end	tree tree tree shrub
<i>liesneri</i> Dwyer <i>luteovirens</i> Standl.		PROV: pa PROV: ca ch cn da sa	000m: 0-1 000m: 0-1	RANGE: end RANGE: col	shrub shrub tree shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
<i>occidentalis</i> (L.) A. Rich.		PROV: ca cc cn da lo pa vr	000m: 0-1	RANGE: ang cag mex sag	tree
<i>ovalis</i> Standl.		PROV: ch	000m: 1-2	RANGE: end	tree
<i>papulata</i> Dwyer & Hayden		PROV: pa	000m: 0-1	RANGE: end	shrub
<i>pauciflora</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	tree
<i>scalaris</i> Standl.		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>suerrensii</i> (J.D. Sm.) J.D. Sm.		PROV: bo cc ch cn vr	000m: 0-1, 1-2	RANGE: col cr	tree
<i>talamancarum</i> Standl.		PROV: bo cn da	000m: 0-1	RANGE: cr	tree
<i>terreyae</i> Standl.		PROV: da	000m: 0-1	RANGE: end	shrub
<i>woodsonii</i> Standl.		PROV: cc pa sa	000m: 0-1	RANGE: end	shrub
<i>Ferdinandusa</i>					
<i>panamensis</i> Standl. & Wms.		PROV: bo	000m: 0-1	RANGE: end	tree
<i>Galium</i>					
<i>aschenbornii</i> Schauer		PROV: ch	000m: 2-3	RANGE: cag mex	climber
<i>mexicanum</i> H.B.K.		PROV: ch	000m: 1-2, 2-3, 3+	RANGE: cag mex	climber
<i>uncinulatum</i> DC.		PROV: ch	000m: 1-2, 2-3	RANGE: cag mex nao tex	herb
<i>Genipa</i>					
<i>americana</i> L.		PROV: bo ca cc ch da he lo pa vr	000m: 0-1	RANGE: ang cag col fla mex sag sao ven	tree
<i>curviflora</i> Dwyer		PROV: da pa sa	000m: 0-1	RANGE: end	shrub
<i>williamsii</i> Standl.		PROV: cc da pa	000m: 0-1	RANGE: col	tree
<i>Geophila</i>					
<i>croatii</i> Steyerm.		PROV: ca	000m: 0-1	RANGE: nic	herb
<i>macropoda</i> (R. & P.) DC.		PROV: bo da pa sa	000m: 0-1	RANGE: col cr	herb
<i>repens</i> (L.) Johnst.		PROV: bo ca ch da lo pa	000m: 0-1	RANGE: ang cag col gui jam mex per sag? sao ven	herb
<i>Gonzalagunia</i>					
<i>bracteosa</i> (J.D. Sm.) Rob.		PROV: cn da pa sa	000m: 0-1	RANGE: gua	shrub
<i>kallunkii</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>ovatifolia</i> (J.D. Sm.) Rob.		PROV: bo cc sa	000m: 0-1	RANGE: col cr	shrub
<i>panamensis</i> (Cav.) Schum.		PROV: bo ca cc ch cn he pa sa vr	000m: 0-1	RANGE: ang cag col cub mex	shrub
<i>rosea</i> Standl.		PROV: bo ch da he vr	000m: 0-1, 1-2	RANGE: cr	tree
<i>rudis</i> (Standl.) Standl.		PROV: ca ch cn da lo pa sa	000m: 0-1	RANGE: col	tree
<i>veraguensis</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>Guettarda</i>					
<i>chiriquiensis</i> Standl.		PROV: cc ch pa	000m: 0-1, 1-2	RANGE: col	tree
<i>foliacea</i> Standl.		PROV: ca da pa vr	000m: 0-1	RANGE: col	tree
<i>macrocarpa</i> J.D. Sm.		PROV: ca cn da sa	000m: 0-1	RANGE: cag gua	tree
<i>odorata</i> (Jacq.) Lam.		PROV: ca cc ch da he pa vr	000m: 0-1	RANGE: ang? cub sag?	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
ramuliflora Beurl.		PROV: ca	000m: 0-1	RANGE: end	tree shrub
sanblasensis Dwyer		PROV: sa	000m: 0-1	RANGE: end	tree
Hamelia					
axillaris Sw.		PROV: bo ca ch cn da lo pa sa	000m: 0-1	RANGE: ang cag jam mex sag?	shrub
calycosa J.D. Sm.		PROV: cc pa vr	000m: 0-1,1-2	RANGE: cag? col mex per sag?	shrub tree
*costaricensis Standl.		PROV: wp	000m: 0-1	RANGE: cr	shrub
macrantha Little		PROV: ca cc cn pa sa	000m: 0-1	RANGE: col cr ecu sao	shrub tree
magnifolia Wernh.		PROV: bo ch da sa vr	000m: 0-1	RANGE: cr	shrub tree
patens Jacq.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: mex nic per sao ven	shrub tree
--var. glabra Oerst.		da lo pa sa vr			
--var. patens		PROV: ca cc ch da he lo pa vr	000m: 0-1,1-2,2-3	RANGE: ang bol cag fla his mex sag? sat	shrub tree
rovirosae Wernh.		PROV: bo	000m: 0-1	RANGE: bel cag gua mex	shrub
sanguinea Elias		PROV: ca da	000m: 0-1	RANGE: end	shrub tree
xerocarpa Kuntze		PROV: bo da vr	000m: 0-1	RANGE: col cr	shrub tree
Hemidiodia					
ocimifolia (Willd.) Schum.		PROV: bo ca cc pa sa vr	000m: 0-1	RANGE: cag? mex sag? sao	subshrub
Hillia					
chiapensis Standl.		PROV: pa	000m: 0-1	RANGE: cag mex	shrub
--var. chiapensis		PROV: vr	000m: 0-1	RANGE: end	shrub
--subsp. grandifolia Dwyer		PROV: ch	000m: 1-2	RANGE: end	tree
chiriquiensis Dwyer		PROV: ch pa vr	000m: 0-1,1-2	RANGE: end	tree
ligulifolia Dwyer		PROV: vr	000m: 0-1	RANGE: cr	shrub
palmana Standl.		PROV: ch	000m: 1-2	RANGE: cr	tree
panamensis Standl.		PROV: cc ch cn pa vr	000m: 0-1	RANGE: ang cag nic	shrub
tetrandra Sw.					
Hippotis					
albiflora Karst.		PROV: bo	000m: 1-2	RANGE: col cr	tree
Hoffmannia					
aeruginosa Standl.		PROV: bo	000m: 0-1	RANGE: cr	shrub
araneopedaria Dwyer		PROV: da	000m: 1-2	RANGE: end	shrub
areolata Standl.		PROV: ch	000m: 1-2	RANGE: end	herb
bullata L.O. Wms.		PROV: pa	000m: 0-1	RANGE: cag gua mex	subshrub
capillacea Dwyer		PROV: cc sa	000m: 0-1	RANGE: end	subshrub
cercidifolia Dwyer		PROV: da vr	000m: 0-1	RANGE: end	shrub

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
davidsoniae Standl.		PROV: ca cc ch	000m: 0-1,1-2,2-3	RANGE: end	herb
eliasii Dwyer		PROV: da sa	000m: 1-2	RANGE: col	herb
fimbriantha Dwyer		PROV: bo	000m: 0-1	RANGE: end	subshrub
gentryi Dwyer		PROV: da	000m: 1-2	RANGE: sat	subshrub
*ghiesbreghtii (Lem.) Hemsl.		PROV: wp	000m: 0-1	RANGE: mex	shrub
*hamelioides Standl.		PROV: wp	000m: 0-1	RANGE: cr	shrub
haydenii Dwyer		PROV: ch	000m: 1-2	RANGE: end	herb
kirkbridei Dwyer		PROV: bo sa	000m: 0-1	RANGE: end	subshrub
lancistigma Dwyer		PROV: ch	000m: 1-2	RANGE: end	shrub
lewisiana Dwyer		PROV: ch	000m: 2-3	RANGE: end	shrub
longicalycina Dwyer		PROV: da	000m: 0-1	RANGE: end	subshrub
manussatani Dwyer		PROV: bo	000m: 1-2,2-3	RANGE: end	herb
morii Dwyer		PROV: ch	000m: 1-2	RANGE: end	subshrub
*nicotanaefolia (Mart. & Gal.) L.O. Wms		PROV: ch	000m: 1-2,2-3	RANGE: cag mex	shrub
ostaurea Dwyer		PROV: bo	000m: 0-1	RANGE: end	subshrub
pittieri Standl.		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: end	shrub
psychotriifolia (Benth.) Griseb.		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: ang cag cr gua	shrub
pustulata Dwyer		PROV: cn	000m: 0-1	RANGE: end	herb
rexmontis Dwyer		PROV: ch	000m: 2-3	RANGE: end	subshrub
rubripigmenta Dwyer		PROV: da	000m: 0-1	RANGE: end	herb
subauriculata Standl.		PROV: bo da	000m: 0-1	RANGE: cr	herb
vesciculifera Standl.		PROV: bo cc ch cn pa	000m: 0-1,1-2	RANGE: cr	shrub
		vr			
*viridis Rusby		PROV: sa	000m: 0-1	RANGE: col	tree
witheringoides Dwyer		PROV: vr	000m: 0-1	RANGE: end	subshrub
woodsonii Standl.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cr	shrub
		da lo pa vr			
Isertia					
haenkeana DC.		PROV: bo ca cc cn da	000m: 0-1	RANGE: cag col cub mex ven	tree
		pa sa vr			shrub
hypoleuca Benth.		PROV: bo ca cc cn da	000m: 0-1	RANGE: col gui sao ven	tree
		pa sa vr			
*laevis (Triana) Boom		PROV: sa	000m: 0-1	RANGE: cr per	wh
Ixora					
coccinea L.	intr. cult.	PROV: bo ca cc cn da	000m: 0-1	RANGE: afr asi cag sag	shrub
		pa			
findlaysoniana G. Don	intr. cult.	PROV: ca pa sa vr	000m: 0-1	RANGE: asi	shrub
floribunda (A. Rich.) Griseb.		PROV: ca da lo pa	000m: 0-1	RANGE: ang col cr nic sal	tree
nicaraguensis Standl.		PROV: bo ch da	000m: 0-1	RANGE: bel cag? nic	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
<i>Joosia</i>					
<i>panamensis</i> Dwyer		PROV: bo cc cn pa sa	000m: 0-1	RANGE: end	shrub
<i>*umbellifera</i> Karst.		vr PROV: ch	000m: 1-2	RANGE: col per ven	tree tree
<i>Ladenbergia</i>					
<i>bullata</i> (Wedd.) Standl.		PROV: pa	000m: 0-1	RANGE: cag sat	tree
<i>laurifolia</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
<i>macrocarpa</i> (Vahl) Kl.		PROV: da	000m: 0-1, 1-2	RANGE: bol col sag?	tree
<i>*valerii</i> Standl.		PROV: pa	000m: 0-1, 1-2	RANGE: cr	tree
<i>*Lasianthus</i>					
<i>*panamensis</i> (Dwyer) Robbrecht		PROV: cc cn pa	000m: 0-1	RANGE: end	subshrub
<i>Limnosipanea</i>					
<i>palustris</i> (Seem.) Hook. f.		PROV: wp	000m: we	RANGE: col	herb
<i>Lindenia</i>					
<i>rivalis</i> Benth.		PROV: ca da he pa	000m: 0-1	RANGE: cag mex	subshrub
<i>Machaonia</i>					
<i>acuminata</i> H. & B.		PROV: ca cc cn da he	000m: 0-1	RANGE: cag? ecu mex sag? sao	shrub
<i>martinicensis</i> (DC.) Standl.		pa sa vr PROV: bo pa	000m: 0-1	RANGE: col cr jam	tree shrub climber tree
<i>Macrocnemum</i>					
<i>glabrescens</i> (Benth.) Wedd.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: col cr	tree
<i>pastoense</i> Karst.		da pa vr PROV: da	000m: 0-1	RANGE: col	tree shrub
<i>Manettia</i>					
<i>bocataurensis</i> Dwyer		PROV: bo	000m: 0-1	RANGE: end	herb
<i>flexilis</i> Brandeg.		PROV: ch	000m: 1-2	RANGE: col cr gua mex	climber
<i>hydrophila</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	herb
<i>reclinata</i> L.		PROV: bo ca cc ch da	000m: 0-1	RANGE: cag? cub jam mex sag?	climber
		lo pa sa vr			
<i>Mitracarpus</i>					
<i>breviflorus</i> A. Gray		PROV: ch	000m: 1-2	RANGE: cr mex nao	herb
<i>hirtus</i> (L.) DC.		PROV: bo ca cc ch da	000m: 0-1	RANGE: ang asi cag jam mex	herb
		pa vr		sag	
<i>Montamans</i>					
<i>panamensis</i> Dwyer		PROV: ch	000m: 1-2	RANGE: end	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
Morinda					
citrifolia L.		PROV: bo ca cn sa	000m: 0-1	RANGE: ang asi cag? oce	tree
panamensis Seem.		PROV: ca cc cn da pa	000m: 0-1	RANGE: ang cag fla mex	shrub tree
rojoc L.		sa PROV: cn sa	000m: 0-1	RANGE: ang cag fla mex sag?	shrub shrub
Nertera					
granadensis (L. f.) Druce		PROV: ch da	000m: 1-2,2-3	RANGE: cag? mex sag? sao	herb
Oldenlandia					
callitrichoides Griseb.		PROV: cn pa	000m: 0-1	RANGE: cub	herb
corymbosa L.	intr.	PROV: bo ca cc cn da	000m: 0-1	RANGE: afr wdt	herb
lancifolia (Schum.) DC.		pa sa PROV: bo ca	000m: 0-1	RANGE: cag? owg? sag?	herb
Palicourea					
*adusta Standl.		PROV: bo	000m: 0-1	RANGE: cr	shrub
angustifolia H.B.K.		PROV: bo cc ch vr	000m: 0-1,1-2,2-3	RANGE: col cr per sag?	shrub tree
bella (Standl.) Dwyer		PROV: ch	000m: 2-3	RANGE: end	shrub
chiriquina Standl.		PROV: bo ch	000m: 1-2,2-3	RANGE: end	shrub
crocea (Sw.) R. & S.		PROV: ca da pa	000m: 0-1	RANGE: ang nic sag?	shrub
*discolor Krause		PROV: ch	000m: 1-2	RANGE: cr	tree
fastigiata Benth.		PROV: ca	000m: 0-1	RANGE: col cr ven	shrub
gibbosa Dwyer		PROV: da	000m: 1-2	RANGE: end	tree
grandibracteata Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
guianensis Aubl.		PROV: bo ca cn da lo	000m: 0-1	RANGE: cag gua gui sag?	shrub tree
lasiorrachis Oerst.		pa sa vr PROV: ch	000m: 1-2	RANGE: cr	shrub
montensis Dwyer		PROV: ch	000m: 1-2	RANGE: end	tree
montivaga Standl.		PROV: ch	000m: 0-1	RANGE: cr	shrub
ochnoides Dwyer		PROV: vr	000m: 1-2	RANGE: end	subshrub
*padifolia (Roem.) Taylor & Lorence					tree
		PROV: ch da vr	000m: 0-1,1-2	RANGE: cag cr mex	tree
panamensis Standl.		PROV: bo ch da vr	000m: 0-1,1-2	RANGE: end	shrub
pauciflora Standl.		PROV: ch	000m: 2-3	RANGE: end	shrub
rigidifolia (Dwyer & Hayden) Dwyer		PROV: pa vr	000m: 0-1	RANGE: end	shrub
subrubra Polak.		PROV: ch da	000m: 1-2	RANGE: cr	tree
triphylla (Muell.-Arg.) DC.		PROV: bo ca cc ch da	000m: 0-1	RANGE: cag? gui sag?	tree shrub
		he pa vr			tree
tubuliflora Dwyer		PROV: pa	000m: 0-1	RANGE: end	tree
tumidonodosa Dwyer		PROV: da pa	000m: 0-1,1-2	RANGE: end	tree
veraguensis Dwyer		PROV: ch vr	000m: 1-2	RANGE: end	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
vestita Standl.		PROV: cc vr	000m: 0-1	RANGE: cr	shrub
Pentagonia					
alba Dwyer		PROV: da	000m: 0-1	RANGE: end	shrub
bocataurensis Dwyer		PROV: bo	000m: 0-1	RANGE: end	shrub?
brachyotis (Standl.) Standl.		PROV: cn da pa sa	000m: 0-1,1-2	RANGE: end	shrub
					tree
gymnopoda (Standl.) Standl.		PROV: cn da pa	000m: 0-1	RANGE: end	shrub
					tree
macrophylla Benth.		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: col ecu	tree
					shrub
nuciformis Dwyer		PROV: vr	000m: 0-1	RANGE: end	tree
pinnatifida Seem.		PROV: da pa sa	000m: 0-1	RANGE: col	shrub
tinajita Seem.		PROV: ch	000m: 0-1	RANGE: end	shrub
veraguensis Dwyer		PROV: vr	000m: 0-1	RANGE: end	subshrub
wendlandii Hook.		PROV: bo cn pa sa	000m: 0-1	RANGE: cr	shrub
Pogonopus					
speciosus (Jacq.) Schum.		PROV: ca cn da pa	000m: 0-1	RANGE: cag col mex ven	tree
Posoqueria					
latifolia (Rudge) R. & S.		PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1,1-2	RANGE: cag col gui mex per sao ven	tree
Psychotria					
acuminata Benth.					
--subsp. acuminata		PROV: ca cc cn da he lo pa sa vr	000m: 0-1,1-2	RANGE: cag? mex per sag?	shrub
--subsp. boraginoides Dwyer		PROV: pa	000m: 0-1	RANGE: col	shrub
aggregata Standl.		PROV: bo cc ch pa	000m: 0-1,1-2,2-3	RANGE: end	shrub
alboviridula Krause		PROV: da pa sa	000m: 0-1	RANGE: col cr per	shrub
					tree
allenii Standl.		PROV: cc pa sa vr	000m: 0-1	RANGE: end	tree
bakeri Dwyer		PROV: ch lo pa	000m: 0-1	RANGE: end	shrub
berteriana DC.		PROV: bo da vr	000m: 0-1	RANGE: ang cag cr his hon mex pr sag	shrub
					tree
boquetensis Dwyer		PROV: ch	000m: 1-2	RANGE: end	shrub
brachiata Sw.		PROV: bo ca cc cn da lo pa sa vr	000m: 0-1	RANGE: ang cag sag trt	tree
					shrub
brachybotrya Muell.-Arg.		PROV: bo ca cc cn da he pa	000m: 0-1	RANGE: bol per sag? sao trt	shrub
calophylla Standl.		PROV: ca cn pa	000m: 0-1	RANGE: cr	tree
					shrub
capacifolia Dwyer		PROV: bo da	000m: 0-1	RANGE: end	subshrub
capitata R. & P.					
--subsp. capitata		PROV: ca cc cn da pa sa vr	000m: 0-1	RANGE: cag sag trt	shrub
					tree
--subsp. fissistipularis Dwyer		PROV: ca cn	000m: 0-1	RANGE: end	shrub
					tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
--subsp. rubra Dwyer		PROV: wp	000m: 0-1	RANGE: end	shrub
carosocarpa Dwyer & Hayden		PROV: bo	000m: 0-1	RANGE: end	tree
carthaginensis Jacq.		PROV: bo ca cc ch da he lo pa vr	000m: 0-1,1-2	RANGE: cag col gui per sag	shrub shrub
catillicalyx Dwyer		PROV: vr	000m: 0-1	RANGE: end	tree
chagrensis Standl.		PROV: bo ca cc cn da pa sa	000m: 0-1	RANGE: cag mex	subshrub
chiapensis Standl.		PROV: bo ch sa	000m: 0-1	RANGE: cag? cr mex per sag?	tree
chiriquina Standl.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: end	shrub
chloritica Muell.-Arg.		PROV: da	000m: 0-1	RANGE: col per sao	tree shrub
cincta Standl.		PROV: bo cn pa sa vr	000m: 0-1	RANGE: col	tree shrub
cooperi Standl.		PROV: cc vr	000m: 0-1	RANGE: col	tree shrub
copensis Dwyer		PROV: cc pa	000m: 0-1	RANGE: end	shrub
copeyana Standl. & L.O. Wms.		PROV: ch vr	000m: 1-2	RANGE: cr	tree
croceovenosa Dwyer		PROV: ch	000m: 1-2	RANGE: end	tree
davidsei Dwyer		PROV: da	000m: 1-2	RANGE: end	subshrub
deflexa DC.		PROV: bo ca cc da he pa sa vr	000m: 0-1	RANGE: cag? gui sag?	shrub
dosbocensis Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
dukei Dwyer		PROV: da pa vr	000m: 0-1	RANGE: col	subshrub
durilancifolia Dwyer		PROV: pa	000m: 0-1	RANGE: end	shrub
emetica L. f.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: bol cag? col? gua per sag?	tree subshrub
*epiphytica Standl.		PROV: da	000m: 0-1	RANGE: ecu per	epiphyte
erecta (Aubl.) Standl. & Steyererm.		PROV: bo ca cn da pa sa	000m: 0-1	RANGE: bel cr gui sao ven	shrub
eugenifolia Dwyer		PROV: ch da	000m: 1-2	RANGE: end	subshrub
*eurycarpa Standl.		PROV: bo	000m: 0-1	RANGE: cr	tree
fendleri Standl.		PROV: ca cn	000m: 0-1	RANGE: end	subshrub
fruticetorum Standl.		PROV: pa	000m: 0-1	RANGE: cag hon mex	shrub
furcata DC.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: col cr	shrub
goldmanii Standl.		PROV: ch da pa	000m: 0-1,1-2,2-3	RANGE: cr	shrub
graciliflora Benth.		PROV: ca cc ch da pa	000m: 0-1	RANGE: cag? cr hon	tree
granadensis Benth.		PROV: ca vr	000m: 0-1	RANGE: cag gua nic	shrub
grandis Sw.		PROV: bo ca cc ch cn da pa sa vr	000m: 0-1	RANGE: cag? cr jam mex sag?	subshrub tree
haematocarpa Standl.		PROV: cc cn da sa vr	000m: 0-1	RANGE: col cr	shrub
hammelii Dwyer		PROV: bo vr	000m: 1-2	RANGE: end	subshrub
horizontalis Sw.		PROV: ca cc ch cn da he lo pa sa vr	000m: 0-1,1-2	RANGE: ang cag? ecu his mex sag? ven	shrub
impatiens Dwyer		PROV: da	000m: 0-1	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
indigotica Dwyer		PROV: pa	000m: 0-1	RANGE: end	tree
insignis Standl.		PROV: sa	000m: 0-1	RANGE: end	shrub
liesneri Dwyer		PROV: pa	000m: 0-1	RANGE: end	shrub
*limitanea Standl.		PROV: da	000m: 1-2	RANGE: col	shrub
limonensis Krause		PROV: bo ca cn da sa	000m: 0-1	RANGE: cag cr sag?	subshrub shrub
longipedunculata Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
luxurians Rusby		PROV: cc ch cn da pa	000m: 0-1,1-2	RANGE: bol sag?	tree shrub
macrophylla R. & P.		PROV: bo cc ch cn da	000m: 0-1,1-2	RANGE: bol cag? col gua mex	shrub
magna Standl.		PROV: cn	000m: 0-1	RANGE: cr	shrub
marginata Sw.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: jam	shrub
maxonii Standl.		PROV: bo vr	000m: 0-1,1-2	RANGE: cr	subshrub
micrantha H.B.K.		PROV: bo ca cc cn da	000m: 0-1	RANGE: col ecu nic per ven	shrub tree
*microbotrys Standl.		PROV: cc	000m: 0-1	RANGE: per ven	herb
microdon (DC.) Urb.		PROV: ca cc ch da lo	000m: 0-1	RANGE: ang cag? cub ecu gui	shrub tree
mima Standl.		PROV: bo cn da pa vr	000m: 0-1,1-2	RANGE: col sao	tree
morii Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
mortoniana Standl.		PROV: ch lo	000m: 0-1,1-2	RANGE: cr	shrub
nervosa Sw.		PROV: ca cc cn da pa	000m: 0-1	RANGE: ang bah cag col fla	shrub
nubiphila Dwyer		PROV: ch	000m: 1-2	RANGE: end	tree
oerstediana Standl.		PROV: bo ca cc sa	000m: 0-1	RANGE: cag cr mex	shrub
officinalis Sandw.		PROV: bo ca cc da pa	000m: 0-1,1-2	RANGE: cag col gui	shrub tree
olgae Dwyer & Hayden		PROV: pa	000m: 0-1,1-2	RANGE: end	tree shrub
orchidearum Standl.					
--subsp. orchidearum		PROV: ca da pa sa	000m: 0-1,1-2	RANGE: cr	subshrub
--subsp. persedens Dwyer		PROV: cc ch da pa sa	000m: 0-1,1-2	RANGE: end	subshrub
oresbia Dwyer		PROV: da	000m: 1-2	RANGE: end	tree
ostaurea Dwyer & Hayden		PROV: bo cc	000m: 0-1	RANGE: end	tree
panamensis Standl.		PROV: ca cc ch cn da	000m: 0-1	RANGE: end	tree
parvifolia Oerst.		PROV: ch	000m: 1-2	RANGE: cr gua	shrub
perparva Dwyer		PROV: da pa	000m: 0-1,1-2	RANGE: end	herb
philacra Dwyer		PROV: da	000m: 1-2	RANGE: end	shrub
pilosa R. & P.		PROV: bo cc ch da pa	000m: 0-1	RANGE: cr per sag?	shrub
pithecobia Standl.		PROV: bo ch	000m: 1-2	RANGE: cr	subshrub
pittieri Standl.					
--subsp. oinochrophylla Dwyer		PROV: da	000m: 0-1,1-2	RANGE: end	shrub
--subsp. pittieri		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bel cag?	shrub
		da lo pa sa			

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
polyphlebia J.D. Sm.		PROV: bo da vr	000m: 0-1	RANGE: col cr gua	subshrub
psychotriaefolia (Seem.) Standl.		PROV: bo ca cc ch cn	000m: 0-1	RANGE: col cr ecu ven	shrub
pubescens Sw.		da pa sa vr			tree
pumiliocarpa Dwyer		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cag mex	shrub
quadrangulata Dwyer		da pa sa vr			tree
racemosa (Aubl.) Raeusch.		PROV: vr	000m: 0-1	RANGE: end	shrub
		PROV: vr	000m: 0-1	RANGE: end	tree
		PROV: bo ca cc ch cn	000m: 0-1	RANGE: nwt	shrub
		da lo pa sa			
rosulatifolia Dwyer		PROV: da	000m: 0-1,1-2	RANGE: end	herb
sanfelicensis Dwyer		PROV: ch	000m: 1-2	RANGE: end	shrub
santa-rosae Standl.		PROV: da	000m: 1-2	RANGE: col	subshrub
santaritensis Dwyer		PROV: cn pa	000m: 0-1	RANGE: end	tree
siccorubra Dwyer		PROV: ch vr	000m: 1-2	RANGE: end	shrub
siggersiana Standl.		PROV: cc da pa vr	000m: 0-1	RANGE: cr	shrub
solitudinum Standl.		PROV: bo cc da pa vr	000m: 0-1,1-2	RANGE: col cr	shrub
					tree
*suerrensis J.D. Sm.		PROV: bo ca cc cn pa	000m: 0-1	RANGE: col cr nic	shrub
tacarcunensis Dwyer		PROV: da	000m: 1-2	RANGE: end	shrub
taurina Dwyer		PROV: bo	000m: 0-1	RANGE: end	tree
trichotoma Mart. & Gal.		PROV: cc pa vr	000m: 0-1,1-2	RANGE: col gua hon mex nic	tree
				ven	
tutensis Dwyer		PROV: vr	000m: 1-2	RANGE: end	tree
uliginosa Sw.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: ang cag col ecu jam	subshrub
		da lo pa sa vr		mex	
umbelliformis Dwyer & Hayden		PROV: bo cc cn pa	000m: 0-1	RANGE: end	shrub
					tree
vallensis Dwyer		PROV: cc pa vr	000m: 0-1	RANGE: end	shrub
veraguensis Dwyer		PROV: vr	000m: 0-1	RANGE: end	shrub
viridis R. & P.		PROV: da pa sa	000m: 0-1	RANGE: bel bol cag? col cr	tree
				cub sag?	shrub
wilburiana Dwyer		PROV: vr	000m: 0-1	RANGE: end	subshrub
xerococcoides Dwyer		PROV: da sa	000m: 1-2	RANGE: end	subshrub
Randia					
aculeata L.		PROV: ca cc ch cn da	000m: 0-1	RANGE: ang cag col jam mex	shrub
		he pa sa vr			tree
armata (Sw.) DC.		PROV: bo ca cc cn da	000m: 0-1,1-2	RANGE: cag col gui lag mex	tree
		lo pa sa		sao ven	
*diversiloba Standl.		PROV: sa	000m: 0-1	RANGE: col	shrub
formosa (Jacq.) Schum.		PROV: ca ch cn da pa	000m: 0-1	RANGE: col per sag? sao	shrub
gentryi Dwyer		PROV: da	000m: 1-2	RANGE: col	tree
*grandifolia Standl.		PROV: cn vr	000m: 0-1,2-3	RANGE: cr mex sal	shrub
karstenii Polak.		PROV: ch	000m: 0-1	RANGE: cr	tree
lasiantha (Standl.) Standl.		PROV: ca pa	000m: 0-1	RANGE: cr	tree
megalocarpa Dwyer		PROV: pa	000m: 0-1	RANGE: end	shrub
mira Dwyer		PROV: pa	000m: 0-1	RANGE: end	tree
pepoformis Dwyer		PROV: da pa sa	000m: 0-1,1-2	RANGE: end	shrub
*platysepalia Standl.		PROV: ch	000m: 1-2	RANGE: wr	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
<i>Raritebe</i>					
<i>blumii</i> (Dwyer) Dwyer		PROV: cn da vr	000m: 0-1	RANGE: end	tree?
<i>darienensis</i> (Dwyer) Dwyer		PROV: da	000m: 0-1	RANGE: end	shrub
<i>euryphyllum</i> (Standl.) Dwyer		PROV: bo da	000m: 0-1	RANGE: end	tree
<i>panamensis</i> (Dwyer) Dwyer		PROV: cc cn da pa sa vr	000m: 0-1,1-2	RANGE: end	tree
<i>trifoliatum</i> (Dwyer & Hayden) Dwyer		PROV: bo cc vr	000m: 0-1	RANGE: end	subshrub
<i>victoriae</i> (Dwyer) Dwyer		PROV: da	000m: 0-1	RANGE: end	shrub
<i>Ravnia</i>					
<i>triflora</i> Oerst.		PROV: cc ch da pa vr	000m: 0-1	RANGE: cr	shrub
<i>Reibunium</i>					
<i>hypocarpium</i> (L.) Hemsl.		PROV: ch	000m: 1-2,2-3,3+	RANGE: ang cag mex sag	herb
<i>Richardia</i>					
<i>scabra</i> L.		PROV: ca cc ch cn lo pa vr	000m: 0-1,1-2	RANGE: cag cub gag gui nag per sag?	herb
<i>Rondeletia</i>					
<i>amoena</i> (Planch.) Hemsl.		PROV: ch	000m: 1-2,2-3	RANGE: cag mex	tree
<i>bertieroides</i> Standl.		PROV: bo cc	000m: 0-1	RANGE: end	tree
<i>buddleioides</i> Benth.					shrub
--var. <i>aspera</i> Kirkbr.		PROV: bo	000m: 1-2	RANGE: end	tree
--var. <i>buddleioides</i>		PROV: ca cc ch pa	000m: 0-1,1-2	RANGE: cag mex	tree
<i>cooperi</i> Standl.		PROV: bo cc ch	000m: 0-1	RANGE: end	tree
<i>darcyi</i> Dwyer		PROV: cn	000m: 0-1	RANGE: end	shrub?
<i>darienensis</i> Standl.		PROV: da	000m: 0-1	RANGE: end	shrub?
<i>hamelifolia</i> Dwyer & Hayden		PROV: lo vr	000m: 0-1	RANGE: end	shrub
<i>kirkbridei</i> Dwyer		PROV: vr	000m: 0-1	RANGE: end	tree
<i>odorata</i> Jacq.					tree
--var. <i>breviflora</i> Hook.		PROV: ca	000m: 0-1	RANGE: end	shrub
<i>panamensis</i> DC.		PROV: ca da pa	000m: 0-1	RANGE: col	shrub
<i>platysepala</i> Standl.		PROV: cc ch	000m: 0-1,1-2	RANGE: end	tree
<i>salicifolia</i> Dwyer & Hayden					tree
--var. <i>salicifolia</i>		PROV: pa	000m: 0-1	RANGE: end	tree
--subsp. <i>brevicolla</i> Kirkbr.		PROV: bo	000m: 0-1	RANGE: end	tree
<i>secunda</i> Standl.		PROV: da sa	000m: 0-1	RANGE: end	shrub
<i>Rudgea</i>					
<i>amplexicaulis</i> Dwyer		PROV: ch	000m: 1-2	RANGE: end	shrub
<i>chiriquiensis</i> Dwyer		PROV: ch	000m: 1-2	RANGE: end	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
<i>cornifolia</i> (H.B.K.) Standl.		PROV: bo ca da pa sa	000m: 0-1	RANGE: bol cag gua gui sag	tree
<i>coronicarpa</i> Dwyer		PROV: cc	000m: 0-1	sao ven RANGE: end	tree
<i>isthmensis</i> Standl.		PROV: ca sa	000m: 0-1	RANGE: end	shrub
<i>pittieri</i> Standl.		PROV: ca cn pa sa	000m: 0-1	RANGE: col	tree
<i>skutchii</i> Standl.		PROV: bo cc pa	000m: 0-1	RANGE: col cr	shrub
					tree
<i>Rustia</i>					
<i>occidentalis</i> (Benth.) Hemsl.		PROV: ca cn da pa	000m: 0-1	RANGE: col cr	shrub
<i>panamensis</i> Dwyer		PROV: ch pa vr	000m: 0-1	RANGE: end	tree
					tree
<i>Sabicea</i>					
* <i>colombiana</i> Wernh.		PROV: da	000m: 0-1	RANGE: col	shrub
<i>panamensis</i> Wernh.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: cag col cr gua	shrub
		da pa sa vr			climber
<i>stellaris</i> Dwyer		PROV: pa	000m: 0-1	RANGE: end	climber
<i>villosa</i> R. & S.					
--var. <i>adpressa</i> (Wernh.) Standl.		PROV: bo ca da pa sa	000m: 0-1	RANGE: col per	climber
--var. <i>villosa</i>		PROV: bo cc cn	000m: 0-1	RANGE: cag sag	climber
<i>Schradera</i>					
<i>blumii</i> Dwyer & Hayden		PROV: cc da pa sa vr	000m: 0-1,1-2	RANGE: col	shrub
<i>Simira</i>					
<i>darienensis</i> Dwyer		PROV: da	000m: 0-1	RANGE: end	tree
					shrub
<i>klugei</i> (Standl.) Steyerm.		PROV: pa	000m: 0-1	RANGE: ven	tree
<i>maxonii</i> (Standl.) Steyerm.		PROV: bo ca ch cn sa	000m: 0-1	RANGE: cr	tree
* <i>Sipania</i>					
<i>Sommeria</i>					
<i>donnell-smithii</i> Standl.		PROV: bo cc ch da pa	000m: 0-1,1-2	RANGE: cr	tree
<i>Spermacoce</i>					
<i>confusa</i> Rendl.		PROV: ca	000m: 0-1	RANGE: cag? fla sag?	subshrub
<i>tenuior</i> L.		PROV: ca pa sa	000m: 0-1	RANGE: cag nag sag sao	herb
					subshrub
<i>Stachyarrhena</i>					
<i>dichroa</i> Standl.		PROV: cn da pa sa	000m: 0-1	RANGE: end	tree
<i>Tobagoa</i>					
<i>maleolens</i> Urb.		PROV: cc	000m: 0-1	RANGE: ang trt ven	herb
<i>Tocoyena</i>					
<i>pittieri</i> (Standl.) Standl.		PROV: ca da pa	000m: 0-1,1-2	RANGE: col cr	tree

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
270 (179) RUBIACEAE cont.					
Uncaria tomentosa (Willd.) DC.		PROV: bo ca da pa	000m: 0-1	RANGE: col ecu gui nic trt ven	climber
Warszewiczia coccinea (Vahl) Kl.		PROV: ca cc ch cn da pa sa vr	000m: 0-1	RANGE: bol cag nic sag sao trt	tree
Wittmackanthus stanleyanus (Schomb.) Kuntze		PROV: da	000m: 0-1	RANGE: col gui per	shrub tree
Xerococcus congestus Oerst.		PROV: vr	000m: 0-1	RANGE: cr	subshrub
271 (180) CAPRIFOLIACEAE					
Lonicera japonica Thunb.		PROV: ch	000m: 1-2,2-3	RANGE: asi owg	climber shrub
Sambucus canadensis L. --var. laciniata A. Gray peruviana H.B.K.		PROV: ca cc ch PROV: bo ch	000m: 0-1,1-2,2-3,3+ 000m: 1-2	RANGE: ang gag nag RANGE: cr sao	shrub shrub tree
Viburnum costaricanum (Oerst.) Hemsl.		PROV: ch	000m: 2-3	RANGE: cr	shrub tree
stellato-tomentosum (Oerst.) Hemsl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub tree
273 (181) VALERIANACEAE					
Astrephia chaerophylloides (J.E. Sm.) DC.		PROV: ch	000m: 1-2	RANGE: col ecu per	herb
Valeriana clematitis H.B.K. *pricnophylla Standl. pulchella Mart. & Gal. scandens L.		PROV: ch pa PROV: ch PROV: ch	000m: 0-1,1-2 000m: 3+ 000m: 3+	RANGE: cag col ecu mex RANGE: cag RANGE: cag gua mex	herb herb herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
273 (181) VALERIANACEAE cont.					
--var. candolleana (Gardn.) Muell.					
--var. scandens		PROV: ca cc ch da PROV: bo	000m: 0-1,1-2 000m: 0-1	RANGE: cr gua mex RANGE: cag fla gag mex sag? sao ven	herb herb
urticaefolia H.B.K.		PROV: ch	000m: 1-2	RANGE: cag col mex per	herb
275 (182) CUCURBITACEAE					
Cayaponia					
buraevii Cogn.		PROV: cc ch	000m: 0-1,1-2	RANGE: col cr ven	climber
*denticulata Jeffrey		PROV: ca	000m: 0-1	RANGE: end	climber
glandulosa (P. & E.) Cogn.		PROV: bo ca cc ch cn da pa	000m: 0-1	RANGE: bol col ecu per ven	climber
granatensis Cogn.		PROV: ca da pa sa vr	000m: 0-1	RANGE: col per sao ven	climber
macrocalyx Harms		PROV: cc cn vr	000m: 0-1	RANGE: col ecu per ven	climber
micrantha Cogn.		PROV: ca cn pa	000m: 0-1	RANGE: col ecu	climber
racemosa (Mill.) Cogn.		PROV: bo ca cc ch cn da he pa vr	000m: 0-1	RANGE: ang cag his mex sag? sal	climber
sessiliflora Wunderlin		PROV: ca	000m: 0-1	RANGE: ecu	climber
Cionosicys					
macranthus (Pitt.) Jeffrey		PROV: bo	000m: 0-1	RANGE: cag cr gua mex	climber
Citrullus					
lanatus (Thunb.) Mats. & Nakai					
intr. cult.		PROV: pa	000m: 0-1	RANGE: afr	climber
Cucumis					
anguria L.	cult.	PROV: he lo	000m: 0-1	RANGE: gua nwg?	climber
dipsaceus Ehrenb.	intr. nat.	PROV: ca da	000m: 0-1	RANGE: owg? wdw?	climber
melo L.	intr. cult.	PROV: pa	000m: 0-1	RANGE: owg	climber
sativus L.	intr. cult.	PROV: wp	000m: we	RANGE: owg	climber
Cucurbita					
maxima Duchass.	cult.	PROV: wp	000m: we	RANGE: nwg owg	climber
mixta Pang.	cult.	PROV: wp	000m: we	RANGE: nwg owg	climber
moschata Poir.	cult.	PROV: wp	000m: we	RANGE: nwt owg	climber
pepo L.	cult.	PROV: ch da pa	000m: 0-1	RANGE: ?nwt	climber
Cyclanthera					
dissecta (Torr. & Gray) Arn. & Hook.					
dressleri Wunderlin		PROV: ca PROV: ch	000m: 0-1 000m: 1-2	RANGE: cag mex nag? tex RANGE: end	climber climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
275 (182) CUCURBITACEAE cont.					
pedata (L.) Schrad.	cult.	PROV: ca	000m: 0-1	RANGE: cag? ecu mex per sag?	climber
Elateriopsis oerstedii (Cogn.) Pitt.		PROV: bo cc cn da pa sa vr	000m: 0-1,1-2	RANGE: cr	climber
Fevillea cordifolia L.		PROV: ca ch da lo pa	000m: 0-1	RANGE: ang cag per sag? sao	climber
Frantzia panamensis Wunderlin pittieri (Cogn.) Pitt.		PROV: ch PROV: bo ch vr	000m: 3+ 000m: 1-2,2-3	RANGE: end RANGE: cr	climber climber
Gurania coccinea Cogn.		PROV: bo ca cc cn da lo pa sa vr	000m: 0-1,1-2	RANGE: cr	climber
eriantha (P. & E.) Cogn. makoyana (Lem.) Cogn.		PROV: da PROV: bo ca cc ch cn da pa sa vr	000m: 0-1 000m: 0-1	RANGE: cr per RANGE: cag? gua	climber climber
megistantha J.D. Sm.		PROV: bo ca cc ch cn da pa vr	000m: 0-1,1-2	RANGE: cr	climber
seemaniana Cogn. suberosa Standl. *tubulosa Cogn.		PROV: cc ch PROV: cc PROV: cn	000m: 0-1,1-2 000m: 0-1 000m: 0-1	RANGE: cr RANGE: wr RANGE: wr	climber climber climber
Lagenaria siceraria (Molina) Standl.	intr. cult.	PROV: cc cn pa	000m: 0-1	RANGE: afr sao	climber
Luffa aegyptiaca Mill.	intr. cult. nat.	PROV: ca cc ch da he lo pa sa vr	000m: 0-1	RANGE: cr owg?	climber
operculata (L.) Cogn.		PROV: ca pa	000m: 0-1	RANGE: cag ecu mex per sag	climber
Melothria dulcis Wunderlin		PROV: bo ca cc cn da pa	000m: 0-1	RANGE: end	climber
pendula L.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1	RANGE: ang cag nag sag sao	climber
scabra Naud. trilobata Cogn.		PROV: bo ca cc ch pa PROV: bo ca cn da lo pa sa	000m: 0-1,1-2 000m: 0-1	RANGE: cag gua mex RANGE: cag col cr gui mex ven	climber climber
Momordica charantia L.	intr. nat.	PROV: bo ca cc ch cn da lo pa sa vr	000m: 0-1	RANGE: nwt wdw	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
275 (182) CUCURBITACEAE cont.					
<i>Polyclathra cucumerina</i> Bertol.		PROV: cc da pa	000m: 0-1	RANGE: cag cr gua mex	climber
<i>Posadaea sphaerocarpa</i> Cogn.		PROV: ca pa	000m: 0-1	RANGE: cag col ecu gua gui sao trt	climber
<i>Psiguria bignoniacea</i> (P. & E.) Wunderlin		PROV: bo ca cc cn da lo pa vr	000m: 0-1	RANGE: cag cr ecu mex per sag?	climber
<i>longipedunculata</i> (Cogn.) Wunderlin		PROV: bo	000m: 0-1	RANGE: cag mex	climber
<i>warscewiczii</i> (Hook. f.) Wunderlin		PROV: bo ca cc ch cn da lo pa vr	000m: 0-1	RANGE: cag? mex per sag?	climber
<i>Rytidostylis carthaginensis</i> (Jacq.) Kuntze		PROV: bo ca cc ch cn da lo pa sa	000m: 0-1,1-2	RANGE: cag col ecu gua mex per sao ven	climber
<i>Sechium edule</i> (Jacq.) Sw.	cult.	PROV: ca cc ch	000m: 0-1	RANGE: cr sal	climber
<i>Selysia prunifera</i> (P. & E.) Cogn.		PROV: bo cc ch cn da pa sa	000m: 0-1	RANGE: cr ecu per sag?	climber
<i>Sicana odorifera</i> (Vell.) Naud.	intr. cult.	PROV: da pa	000m: 0-1	RANGE: sat	climber
<i>Sicydium coriaceum</i> Cogn.		PROV: ca	000m: 0-1	RANGE: col per sag?	climber
<i>tamnifolium</i> (H.B.K.) Cogn.		PROV: bo ca ch cn da pa sa	000m: 0-1	RANGE: ang cag? col cr mex per sag?	climber
<i>Sicyos *chiriquensis</i> Hammel & D'Arcy		PROV: ch	000m: 2-3	RANGE: end	climber

276 (183) CAMPANULACEAE

<i>Burmeistera chiriquensis</i> Wilbur		PROV: ch	000m: 1-2	RANGE: cr	herb shrublet
<i>cyclostigmata</i> J.D. Sm.		PROV: bo cc ch da pa vr	000m: 0-1,1-2,2-3	RANGE: col cr ecu	herb
<i>darienensis</i> Wilbur		PROV: da	000m: 0-1,1-2	RANGE: end	shrublet

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
276 (183) CAMPANULACEAE cont.					
dendrophila F. Wimmer		PROV: ch	000m: 1-2,2-3	RANGE: end	herb
dukei Wilbur		PROV: da	000m: 1-2	RANGE: end	herb
glauc (F. Wimmer) Gleason		PROV: bo ch	000m: 1-2,2-3	RANGE: end	herb
*hammellii Wilbur		PROV: da	000m: 1-2	RANGE: end	herb
kirkbridei Wilbur		PROV: bo ch	000m: 0-1	RANGE: end	shrublet
*mcvaughii Wilbur		PROV: bo ch	000m: 1-2,2-3	RANGE: end	shrublet
					climber
microphylla J.D. Sm.		PROV: ca cc ch pa	000m: 0-1,1-2,2-3	RANGE: cr	herb
morii Wilbur		PROV: ch	000m: 1-2	RANGE: end	herb
*obtusifolia F. Wimmer		PROV: bo ch	000m: 2-3	RANGE: cr	herb
panamensis Wilbur		PROV: da	000m: 0-1,1-2	RANGE: end	shrublet
parviflora Standl.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb
pirrensis Wilbur		PROV: da	000m: 0-1,1-2	RANGE: end	herb
tenuiflora J.D. Sm.		PROV: bo cc ch pa vr	000m: 0-1,1-2	RANGE: cr	herb
toroensis Wilbur		PROV: bo ch	000m: 0-1,1-2	RANGE: end	herb
utleyi Wilbur		PROV: ch	000m: 2-3	RANGE: end	shrublet
					herb
vulgaris F. Wimmer		PROV: bo ch	000m: 1-2,2-3	RANGE: col cr ecu	herb shrublet
Centropogon					
coccineus B.D. Jacks.		PROV: bo ca cc cc cn pa vr	000m: 0-1	RANGE: col cr	herb
congestus Gleason		PROV: bo ch pa	000m: 0-1,1-2,2-3	RANGE: col cr	herb shrub
cornutus (L.) Druce		PROV: bo ca cn da pa	000m: 0-1	RANGE: bol ecu gui lag mex sao ven	herb
*costaricae (Vatke) McVaugh		PROV: bo	000m: 1-2	RANGE: cr	climber
darienensis Wilbur		PROV: da	000m: 1-2	RANGE: end	herb
ferrugineus (L. f.) Gleason		PROV: bo ch	000m: 1-2,2-3,3+	RANGE: cag? col cr gua per sag? ven	herb
floricornus McVaugh		PROV: bo ch	000m: 1-2,2-3	RANGE: end	herb
granulosus Presl		PROV: bo ch	000m: 1-2,2-3	RANGE: col cr per	herb
gutierrezii (Planch. & Oerst.) F. Wimmer		PROV: ch	000m: 1-2	RANGE: cr	herb
leucocarpus McVaugh		PROV: bo ch	000m: 1-2,2-3	RANGE: end	herb
luteynii Wilbur		PROV: ch	000m: 1-2,2-3	RANGE: end	herb
panamensis Wilbur		PROV: bo ca cc da pa vr	000m: 0-1	RANGE: end	shrub
smithii F. Wimmer		PROV: ch	000m: 2-3	RANGE: cr	shrub
Diastatea					
micrantha (H.B.K.) McVaugh		PROV: cc ch he pa	000m: 0-1,1-2,2-3	RANGE: bol cag col ecu mex per sao	herb
Hippobroma					
longiflora (L.) G. Don		PROV: bo ca cc ch cn he pa sa vr	000m: 0-1	RANGE: ang cag jam mex per sag? sao	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
276 (183) CAMPANULACEAE cont.					
<i>Lobelia</i>					
<i>cardinalis</i> L.					
--subsp. <i>graminea</i> (Lam.) McVaugh					
--var. <i>graminea</i> (Lam.) McVaugh		PROV: ca cc ch he pa	000m: 0-1,1-2	RANGE: cag mex	herb
<i>dressleri</i> Wilbur		PROV: cn	000m: 0-1	RANGE: end	herb
<i>fastigiata</i> H.B.K.		PROV: pa	000m: 0-1	RANGE: ecu sag? sao trt	herb
<i>irasuensis</i> Planch. & Oerst.		PROV: ch	000m: 2-3,3+	RANGE: cr	herb
<i>laxiflora</i> H.B.K.		PROV: wp		RANGE: cag col mex nao	shrub
					herb
--var. <i>stricta</i> (Planch. & Oerst.) McVaugh		PROV: cc ch pa	000m: 0-1,1-2,2-3,3+	RANGE: cag col cr gua mex	shrub
<i>longicaulis</i> Brandeg.		PROV: ch	000m: 0-1,1-2,2-3,3+	RANGE: cag cr mex	herb
<i>xalapensis</i> H.B.K.		PROV: bo cc ch pa vr	000m: 0-1,1-2	RANGE: cag gal lag mex sag	herb
				sao	
<i>Siphocampylus</i>					
<i>albiguttur</i> McVaugh		PROV: cc	000m: 0-1	RANGE: end	herb
<i>darienensis</i> Wilbur		PROV: da	000m: 1-2	RANGE: end	herb
					shrublet
<i>maxonis</i> F. Wimmer		PROV: ch	000m: 1-2,2-3	RANGE: end	herb
					shrublet
<i>Sphenoclea</i>					
<i>zeylanica</i> Gaertn.		intr. PROV: bo ca ch pa	000m: 0-1	RANGE: cag? nag? nao owg sag?	herb
				sao tex	
280 (184) COMPOSITAE					
<i>Acanthospermum</i>					
<i>humile</i> (Sw.) DC.		PROV: ca ch cn	000m: 0-1	RANGE: ang cub jam	herb
<i>Adenostemma</i>					
<i>platyphyllum</i> Cass.		PROV: da pa	000m: 0-1	RANGE: bol col ecu per sao	herb
				ven	
<i>Ageratina</i>					
<i>anisochroma</i> (Klatt) K. & R.		PROV: ch	000m: 2-3	RANGE: cr nic	subshrub
					shrub
<i>*bustamenta</i> (DC.) K. & R.		PROV: ch	000m: 1-2,2-3	RANGE: cag cr gua mex	shrub
<i>chiriquensis</i> (Rob.) K. & R.		PROV: ch	000m: 2-3,3+	RANGE: end	shrub
<i>*costaricensis</i> K. & R.		PROV: ch	000m: 2-3	RANGE: cr	shrub
<i>croatii</i> K. & R.		PROV: ch	000m: 2-3	RANGE: end	herb
					subshrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
ixioclodon (Benth.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	subshrub
*kupperi K. & R.		PROV: ch	000m: 3+	RANGE: cr	shrub
molinae K. & R.		PROV: ch	000m: 1-2	RANGE: cr hon sal	shrub
whitei K. & R.		PROV: ch	000m: 1-2	RANGE: end	shrub
Ageratum					
chiriquense (Rob.) K. & R.		PROV: ch	000m: 0-1,1-2	RANGE: end	herb
conyzoides L.		intr. cult. nat.			subshrub
		PROV: bo ca cc ch da pa	000m: 0-1,1-2	RANGE: afr asi cag eur sag	herb
houstonianum Mill.		PROV: bo ca ch pa	000m: 0-1	RANGE: cag mex	subshrub
microcarpum (Benth.		PROV: ch	000m: 1-2	RANGE: cag? cr hon	herb
oliveri K. & R.		PROV: pa	000m: 0-1	RANGE: end	subshrub
panamense Rob.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: end	herb
					subshrub
Ambrosia					
cumanensis H.B.K.		PROV: pa	000m: 0-1	RANGE: cag col lag mex ven	herb
Archibaccharis					
irazuensis (Blake) Blake		PROV: ch	000m: 2-3,3+	RANGE: cr	shrub
panamensis Blake		PROV: cc	000m: 0-1	RANGE: cag mex	herb
schiedeana (Benth.) J.D. Jacks.		PROV: ch	000m: 1-2	RANGE: cag cr gua mex	climber
					shrub
					climber
Aster					
spinosus Benth.		PROV: ch	000m: 2-3	RANGE: mex tex	herb
Austroeupatorium					
inulaefolium (H.B.K.) K. & R.		PROV: pa	000m: 0-1,1-2	RANGE: asi col per sag sao	herb
				sao trt	subshrub
Ayapana					
amygdalina (Lam.) K. & R.		PROV: ca cc ch pa	000m: 0-1	RANGE: bol cag? col gui nic	herb
				per sao	subshrub
elata (Steetz) K. & R.		PROV: bo ca cc ch pa	000m: 0-1	RANGE: col? cr per	herb
stenolepis (Steetz) K. & R.		PROV: he vr	000m: 0-1	RANGE: bol	herb
					subshrub
Baccharis					
pedunculata (Mill.) Cabr.		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: cr per sag? ven	shrub
trinervis (Lam.) Pers.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1,1-2	RANGE: cag? mex sag? sao	tree
					shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
Baltimora recta L.		PROV: ca cc ch cn da he pa vr	000m: 0-1	RANGE: cag mex	herb
Bartlettina					
*chiriquensis K. & R.		PROV: ch	000m: 1-2	RANGE: end	herb
maxonii (Rob.) K. & R.		PROV: ch	000m: 1-2	RANGE: end	shrub
platyphylla (Rob.) K. & R.		PROV: ch	000m: 0-1,1-2	RANGE: cag mex	shrub
prionophylla (Rob.) K. & R.		PROV: ch	000m: 1-2	RANGE: cr	tree shrub tree
Bidens					
bipinnata					
--var. cynapiifolia (H.B.K.) Maza					
ostruthioides (DC.) Schultz-Bip.		PROV: ca cc pa	000m: 0-1	RANGE: ang cag cub nao owg	herb
--var. costaricensis (Benth.		PROV: ch	000m: 2-3	RANGE: cr gua mex	herb
pilosa L.		PROV: bo ca cc ch pa	000m: 0-1,1-2	RANGE: ang cag nag sat wdw	herb
reptans (L.) G. Don		PROV: cc ch pa vr	000m: 0-1,1-2,2-3	RANGE: cag? jam sag? sao ven	herb
riparia H.B.K.		PROV: ca he lo pa	000m: 0-1	RANGE: cag gal sat	herb
triplinervia H.B.K.		PROV: ch	000m: 1-2,2-3,3+	RANGE: bol cag col ecu mex per sag ven	herb
Blumea					
viscosa (Mill.) Bad.		PROV: ca cc he lo pa	000m: 0-1	RANGE: cr mex	herb
Brickellia					
*argyrolepis B.L. Rob.		PROV: ch	000m: 2-3	RANGE: cr	shrub
diffusa (Vahl) A. Gray		PROV: ca ch da pa	000m: 0-1	RANGE: cag cub gag mex per sag? sao	herb
Calea					
jamaicensis (L.) L.		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1	RANGE: cag col cr jam ven	shrub
urticifolia (Mill.) DC.		PROV: ca cc ch he pa	000m: 0-1,1-2	RANGE: cag cr mex	shrub
Centratherum					
punctatum Cass.		PROV: ca cc ch he pa	000m: 0-1,1-2	RANGE: sat wdt	herb subshrub
Chaptalia					
nutans (L.) Polak.		PROV: bo ca cc ch cn da he lo pa sa	000m: 0-1,1-2	RANGE: ang bol cag cr gua mex nag sag sao tex	herb
runcinata H.B.K.		PROV: ch	000m: 1-2	RANGE: bol col cr sao	herb
Chromolaena					
ivaefolia (L.) K. & R.		PROV: ch	000m: 1-2	RANGE: ang bol cag jam mex nag sag sao	shrub herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>laevigata</i> (Lam.) K. & R.		PROV: cc ch pa vr	000m: 0-1,1-2	RANGE: cag mex sag sao	shrub
<i>odorata</i> (L.) K. & R.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: cag cub jam mex nag? owg? sag sao	herb herb shrub
<i>Chrysanthellum</i>					
<i>americanum</i> (L.) Vatke		PROV: ca he pa	000m: 0-1	RANGE: cag cub his jam	herb
<i>integrifolium</i> Steetz		PROV: ca cc he pa	000m: 0-1	RANGE: jam	herb
<i>Cirsium</i>					
<i>mexicanum</i> DC.		PROV: ch	000m: 0-1,1-2	RANGE: cr mex	herb
<i>subcoriaceum</i> (Less.) Schultz-Bip.		PROV: ch	000m: 1-2	RANGE: cr gua mex	herb
<i>Clibadium</i>					
<i>anceps</i> Greenm.		PROV: ch	000m: 1-2,2-3	RANGE: cr	shrub
* <i>caudatum</i> Blake		PROV: cn	000m: 0-1	RANGE: end	shrub
* <i>eggersii</i> Hieron.		PROV: bo ca cn da pa vr	000m: 0-1	RANGE: cr	shrub
<i>grandifolium</i> Blake		PROV: bo cc da vr	000m: 0-1,1-2	RANGE: cr	shrub
<i>leiocarpum</i> Steetz		PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: cr	shrub
<i>pilonicum</i> Stuessy		PROV: cc	000m: 0-1	RANGE: end	shrub
* <i>sessile</i> Blake		PROV: wp	000m: we	RANGE: end	shrub
<i>subauriculatum</i> Stuessy		PROV: bo ch	000m: 1-2,2-3	RANGE: end	shrub
<i>surinamense</i> L.		PROV: ca cc ch cn da he pa sa vr	000m: 0-1,1-2	RANGE: ang col cr gui per sao	shrub
<i>Condylidium</i>					
<i>iresinoides</i> (H.B.K.) K. & R.		PROV: ca cc da pa sa	000m: 0-1	RANGE: bol cag? col cub gua lag sag? ven	herb subshrub
<i>Conyza</i>					
<i>apurensis</i> H.B.K.		PROV: ca cc ch da lo pa	000m: 0-1,1-2	RANGE: ang? cag sag ven	herb
<i>bonariensis</i> (L.) Cronq.		PROV: bo ca cc ch da lo pa	000m: 0-1,1-2,2-3	RANGE: ecu sao wdw	herb
<i>canadensis</i> (L.) Cronq.		PROV: ch	000m: 1-2	RANGE: eur pr wdw	herb
<i>chilensis</i> Spr.		PROV: ch	000m: 0-1,1-2	RANGE: bol cag mex sag sao sao ven	herb
<i>schiediana</i> (Less.) Cronq.		PROV: ch	000m: 2-3	RANGE: cr mex	herb
<i>Cosmos</i>					
<i>caudatus</i> H.B.K.		PROV: bo ca cc ch da he pa sa vr	000m: 0-1	RANGE: ang cag fla mex owt sat	herb
<i>crithmifolius</i> H.B.K.		PROV: ch	000m: 0-1	RANGE: gua hon mex	herb
<i>sulphureus</i> Cav. cult.		PROV: ca cc pa	000m: 0-1	RANGE: cag fla gua mex nas owt sag sal	herb
<i>Critonia</i>					
<i>billbergiana</i> (Beurl.) K. & R.		PROV: bo ca cn pa sa	000m: 0-1	RANGE: bel cr gua hon	climber
<i>daleoides</i> DC.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag mex	shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>morifolia</i> (Mill.) K. & R.		PROV: bo ca cc ch da	000m: 0-1	RANGE: cag mex sag sao	shrub tree
<i>Dahlia</i> <i>imperialis</i> Ortgies		PROV: ch	000m: 1-2	RANGE: cag col cr mex	herb shrub
<i>pinnata</i> Cav.	cult.	PROV: ch	000m: 1-2	RANGE: wdw	herb
<i>Decachaeta</i> <i>thieleana</i> (Klatt) K. & R.		PROV: ch	000m: 1-2	RANGE: cr	herb shrub
<i>Delilia</i> <i>biflora</i> (L.) Kuntze		PROV: ca cc lo pa vr	000m: 0-1	RANGE: col cr mex	herb
* <i>Diplostephium</i> * <i>costaricense</i> Blake		PROV: ch	000m: 3+	RANGE: cr	shrub
* <i>Dresslerothamnus</i> * <i>angustiradiatus</i> Rob.		PROV: cc pa	000m: 0-1, 1-2	RANGE: end	climber
<i>Dyssodia</i> <i>montana</i> (Benth.) A. Gray		PROV: ca cc ch lo pa	000m: 0-1, 1-2	RANGE: cag gua mex	herb
<i>Eclipta</i> <i>prostrata</i> (L.) L.		PROV: bo ca cc ch cn da lo pa sa	000m: 0-1	RANGE: wdw	herb
<i>Elephantopus</i> <i>angustifolius</i> Sw. <i>dilatatus</i> Gleason <i>mollis</i> H.B.K.		PROV: ca cc ch pa PROV: ca cn pa PROV: bo ca cc ch cn da he lo pa vr	000m: 0-1, 1-2 000m: 0-1 000m: 0-1, 1-2	RANGE: ang cag mex sag sao RANGE: col cr RANGE: col cr mex per pr ven wdw?	herb herb herb
<i>Eleutheranthera</i> <i>ruderalis</i> (Sw.) Schultz-Bip.		PROV: bo ca cc ch da he pa sa	000m: 0-1	RANGE: ang bol cr jam nas per sao	herb
<i>Emilia</i> <i>fosbergii</i> Nicols. <i>sonchifolia</i> (L.) DC.		PROV: ca ch pa PROV: bo ca ch cn da he pa sa	000m: 0-1 000m: 0-1	RANGE: bah cr owg RANGE: cr owg	herb herb
* <i>Erato</i> * <i>polymnioides</i> DC.		PROV: bo	000m: 1-2	RANGE: end	herb
<i>Erechtites</i> <i>hieracifolia</i> DC. --var. <i>caicalioides</i> (Spr.) Griseb.		PROV: bo ca ch cn da	000m: 0-1, 1-2	RANGE: ang cr nag	herb

FLORA OF PANAMA CHECKLIST
(* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>valerianaefolia</i> (Wolf) DC.		lo pa sa PROV: bo ch	000m: 1-2	RANGE: asi cag? mex oce sag? sao	herb
<i>Erigeron</i>					
<i>annuus</i> (L.) Pers.		PROV: ch	000m: 1-2,2-3	RANGE: eur nag nao	herb
<i>cuneifolius</i> DC.		PROV: ch	000m: 1-2	RANGE: cub gag his pr	herb
<i>karvinskianus</i> DC.		PROV: ch	000m: 1-2,2-3,3+	RANGE: ang asi cr his mex owg per sao ven	subshrub
<i>Fleischmannia</i>					
<i>allenii</i> K. & R.		PROV: ch	000m: 1-2	RANGE: end	herb subshrub
* <i>capillipes</i> (Benth.		PROV: vr	000m: 0-1	RANGE: mex nic	herb
<i>chiriquensis</i> K. & R.		PROV: ch	000m: 1-2,2-3	RANGE: end	herb climber
<i>croatii</i> K. & R.		PROV: ch	000m: 2-3	RANGE: end	herb subshrub
<i>hymenophylla</i> (Klatt) K. & R.		PROV: cc ch	000m: 0-1,1-2	RANGE: cr	herb
<i>microstemon</i> (Cass.) K. & R.		PROV: bo ca da pa sa	000m: 0-1	RANGE: ang cag hon mex sag?	herb
<i>misera</i> (Rob.) K. & R.		PROV: da	000m: 0-1	RANGE: col	herb
<i>panamensis</i> K. & R.		PROV: cc pa	000m: 0-1,1-2	RANGE: end	herb subshrub
<i>pratensis</i> (Klatt) K. & R.		PROV: cc ch da he lo pa	000m: 0-1,1-2	RANGE: cag cr mex sag?	herb subshrub
<i>sideritidis</i> (Benth.		PROV: ca cc cn pa vr	000m: 0-1	RANGE: cr	herb
<i>sinclairii</i> (Benth.		PROV: ca cc ch cn da he lo pa vr	000m: 0-1,1-2	RANGE: cag mex	herb
<i>tysonii</i> K. & R.		PROV: ch	000m: 2-3	RANGE: end	shrub
<i>Galinsoga</i>					
* <i>quadriradiata</i> R. & P.		PROV: cc ch da	000m: 0-1,1-2,2-3	RANGE: cag col cr ecu eur mex nag per sag ven	herb
<i>Garcilassa</i>					
<i>rivularis</i> P. & E.		PROV: bo ca ch da pa	000m: 0-1,1-2	RANGE: bol cr per sag?	herb
<i>Gerbera</i>					
<i>jamesonii</i> Bolus		intr. cult. PROV: ch	000m: 1-2	RANGE: afr	herb
<i>Gnaphalium</i>					
<i>americanum</i> Mill.		PROV: ch	000m: 1-2,2-3,3+	RANGE: sao wdw?	herb
<i>attenuatum</i> DC.		PROV: ch	000m: 0-1,1-2,2-3,3+	RANGE: mex	herb
<i>domingense</i> Lam.		PROV: ch	000m: 0-1,1-2,2-3	RANGE: his nwg? per pr	herb
<i>roseum</i> H.B.K.		PROV: ch	000m: 2-3,3+	RANGE: col	herb
<i>Gongrostylus</i>					
<i>costaricensis</i> (Kuntze) K. & R.		PROV: sa vr	000m: 0-1	RANGE: cr ecu	epiphyte

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>Hebeclinium</i>					
<i>costaricense</i> K. & R.		PROV: cc pa	000m: 0-1,1-2	RANGE: cr	shrub
* <i>knappii</i> K. & R.		PROV: da	000m: 0-1	RANGE: end	tree
<i>macrophyllum</i> (L.) DC.		PROV: bo ca ch da lo	000m: 0-1	RANGE: cag gui jam mex sag	herb
<i>reedii</i> K. & R.		pa		sao sao	shrub
		PROV: da	000m: 0-1	RANGE: end	subshrub
<i>Helichrysum</i>					
<i>bracteatum</i> (Vent.) Andr. cult.		PROV: ch	000m: 1-2	RANGE: mex owg	herb
<i>Heliopsis</i>					
<i>bupthalmoides</i> (Jacq.) Dun.		PROV: ch	000m: 1-2	RANGE: bol cag col ecu mex	herb
				per ven	
<i>Heterocondylus</i>					
<i>vitalbae</i> (DC.) K. & R.		PROV: ca cc ch da he	000m: 0-1,1-2	RANGE: cag? ecu gui hon per	herb
		lo pa vr		sag? sao	shrub
<i>Hidalgoa</i>					
<i>ternata</i> Liave & Lex.		PROV: vr	000m: 0-1,1-2	RANGE: col cr ecu gua mex	climber
				per ven	
<i>Hieracium</i>					
<i>absissum</i> Less.		PROV: ch	000m: 1-2,2-3	RANGE: cag mex	herb
<i>gronovii</i> L.		PROV: pa	000m: 0-1	RANGE: hon nag	herb
<i>irasuense</i> Benth.		PROV: ch	000m: 1-2,2-3,3+	RANGE: end	herb
<i>Hypochoeris</i>					
<i>radicata</i> L.		intr. nat.			
		PROV: ch	000m: 1-2	RANGE: eur	herb
<i>Ichthyothere</i>					
<i>scandens</i> Blake		PROV: da	000m: 1-2	RANGE: col	shrub
<i>Isocarpa</i>					
<i>oppositifolia</i> (L.) Cass.					
*--var. <i>achyranthes</i> (DC.) Keil & Stuessy		PROV: cc he lo	000m: 0-1	RANGE: abc ang cag col gua	herb
				jam mex sag? trt ven	
<i>Jaegeria</i>					
<i>hirta</i> (Lag.) Less.		PROV: cc ch pa	000m: 0-1,1-2	RANGE: cag mex sag sao	herb
<i>Jungia</i>					
<i>ferruginea</i> L. f.		PROV: ch pa	000m: 0-1,1-2,2-3	RANGE: per	climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA						HABIT
280 (184) COMPOSITAE cont.										
Koanophyllon										
dukei K. & R.		PROV: ch	000m: 1-2	RANGE: end						shrub
panamense K. & R.		PROV: bo cc pa	000m: 0-1	RANGE: cr						shrub
										tree
*pittieri (Klatt) K. & R.		PROV: bo	000m: 0-1	RANGE: cr						shrub
solidaginoides (H.B.K.) K. & R.		PROV: ch pa	000m: 0-1	RANGE: cag	cr	ecu	gal	gua		shrub
				mex	per	sag?				subshrub
wetmorei (Rob.) K. & R.		PROV: bo ca pa	000m: 0-1	RANGE: cr						shrub
										tree
*Laestadia										
*costaricensis Blake		PROV: ch	000m: 3+	RANGE: cr						herb
Lagenifera										
*minuscule Cuatr.		PROV: ch	000m: 3+	RANGE: end						herb
panamensis Blake		PROV: ch	000m: 2-3, 3+	RANGE: end						herb
Lasianthaea										
fruticosa (L.) K.M. Becker		PROV: cc ch pa vr	000m: 0-1	RANGE: cag	cr	mex	ven			shrub
nowickeana D'Arcy		PROV: sa	000m: 0-1	RANGE: end						tree
										herb
Leucanthemum										
vulgare L.		intr. cult.								
		PROV: ch	000m: 0-1	RANGE: owg	1					herb
Liabum										
bourgeoui Hieron.		PROV: cc ch da	000m: 0-1, 1-2	RANGE: mex						herb
*megacephalum Schultz-Bip.		PROV: ch	000m: 0-1	RANGE: col	mex					subshrub
										herb
Lycoseris										
latifolia (D. Don) Benth.		PROV: ca ch da pa	000m: 0-1	RANGE: cag?	col	gua	ven			shrub
Melampodium										
costaricense Stuessy		PROV: bo ch	000m: 1-2	RANGE: cr						herb
divaricatum (Rich.)		PROV: bo ca cc da lo	000m: 0-1	RANGE: cag	col	mex	owt	sao		herb
		pa		ven						
paniculatum Gardn.		PROV: ch	000m: 2-3	RANGE: cag	col	cr	gua	hon		herb
				mex	sal	sao				
Melanthera										
angustifolia A. Rich.		PROV: pa	000m: 0-1	RANGE: bah	cr	cub	fla	gua		herb
				his	hon	mex				
aspera (Jacq.) Small										
--var. aspera		PROV: bo ca cc ch cn	000m: 0-1	RANGE: bah	cag	cub	fla	nwt		herb
		da lo pa sa vr		sat	ven					

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
--var. subhastata (O.E. Schulz) D'Arcy		PROV: pa	000m: 0-1	RANGE: cub fla gag gua mex	herb
<i>Mikania</i>					
<i>amblyolepis</i> Rob.		PROV: ca da pa	000m: 0-1	RANGE: col	climber
<i>banisteriae</i> DC.		PROV: da pa vr	000m: 0-1,1-2	RANGE: bol col cr ecu per	climber
<i>cordifolia</i> (L. f.) Willd.		PROV: ca cc ch da pa	000m: 0-1,1-2,2-3	RANGE: sao ven ang cag col cub his	climber
* <i>cristata</i> Rob.		PROV: pa vr	000m: 0-1	RANGE: mex nag? per sag	climber
<i>guaco</i> H. & B.		PROV: bo ca ch da pa	000m: 0-1,1-2	RANGE: cr	climber
<i>hookeriana</i> DC.		PROV: sa		RANGE: cag col cr mex sao	climber
<i>houstoniana</i> (L.) Rob.		PROV: ca cc cn pa sa	000m: 0-1,1-2	RANGE: cag gui lag mex per	climber
<i>leiostachya</i> Benth.		PROV: bo	000m: 0-1	RANGE: sag? sao ven	climber
<i>miconioides</i> Rob.		PROV: ca cn pa	000m: 0-1	RANGE: bol cag? mex sag?	climber
<i>micrantha</i> H.B.K.		PROV: bo ch	000m: 1-2,2-3	RANGE: cag col	climber
* <i>parviflora</i> (Aubl.) Karst.		PROV: bo ca cc ch cn	000m: 0-1,1-2	RANGE: col cr	climber
<i>pittieri</i> Rob.		PROV: da he lo pa sa	000m: 0-1	RANGE: ang bol cag mex sag?	climber
<i>psilostachya</i> DC.		PROV: vr		RANGE: sao ven	climber
<i>tonduzii</i> Rob.		PROV: ch	000m: 1-2	RANGE: col	climber
<i>tysonii</i> K. & R.		PROV: ca cn pa	000m: 0-1	RANGE: cr	climber
<i>zonensis</i> K. & R.		PROV: ca	000m: 0-1	RANGE: bol gui per sao ven	climber
<i>Milleria</i>				RANGE: cag cr mex	climber
<i>quinqueflora</i> L.	cult.	PROV: ca cc ch cn he	000m: 0-1	RANGE: end	subshrub
<i>Montanoa</i>					climber
<i>hibiscifolia</i> (Benth.)		PROV: ch	000m: 2-3	RANGE: cag col ecu mex per	herb
* <i>Munnozia</i>					
* <i>senecionidis</i> Benth.		PROV: ch	000m: 2-3	RANGE: cag cr mex	shrub
<i>Neomirandea</i>					
<i>allenii</i> K. & R.		PROV: cc da pa vr	000m: 0-1,1-2	RANGE: mex	climber
<i>araliaefolia</i> (Less.) K. & R.		PROV: cc ch	000m: 0-1,1-2	RANGE: col	epiph
<i>arthodes</i> (Rob.) K. & R.		PROV: bo ch	000m: 1-2,2-3	RANGE: cag gua mex	shrub
<i>chiriquensis</i> K. & R.		PROV: ch	000m: 1-2	RANGE: cr	epiph
<i>croatii</i> K. & R.		PROV: ch	000m: 2-3	RANGE: end	shrub
<i>eximia</i> (Rob.) K. & R.		PROV: ch vr	000m: 0-1,1-2,2-3	RANGE: end	epiph
* <i>folsomiana</i> Dillon & D'Arcy		PROV: cc	000m: 0-1	RANGE: cr	shrub
				RANGE: end	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>gracilis</i> K. & R.		PROV: vr	000m: 0-1	RANGE: end	epiph
<i>homogama</i> (Hieron.) Rob. & Brett.		PROV: bo cc	000m: 0-1,1-2	RANGE: col ecu	shrub herb
<i>panamensis</i> K. & R.		PROV: bo	000m: 1-2,2-3	RANGE: end	shrub herb
<i>pseudopsoralea</i> K. & R.		PROV: ch	000m: 1-2	RANGE: end	epiph shrub
<i>standleyi</i> (Rob.) K. & R.		PROV: ch	000m: 1-2,2-3	RANGE: cr	herb shrub
* <i>tenuipes</i> K. & R.		PROV: bo ch	000m: 1-2	RANGE: wr	epiph shrub
* <i>ternata</i> K. & R.		PROV: ch	000m: 1-2	RANGE: wr	epiph
<i>Neurolaena</i>					
<i>lobata</i> (L.) Cass		PROV: bo ca cc ch cn da lo pa	000m: 0-1	RANGE: ang cag col mex per sat	herb subshrub
<i>Onoseris</i>					
<i>onosroides</i> (H.B.K.) Rob.		PROV: ch	000m: 1-2	RANGE: cag? col gua ven	shrub
<i>Oyedaea</i>					
<i>verbesinoides</i> DC.		PROV: cc ch he pa	000m: 0-1,1-2	RANGE: ven	herb
<i>Parthenium</i>					
<i>hysterophorus</i> L.		PROV: he	000m: 0-1	RANGE: ang gua hon mex wdw?	herb
<i>Pectis</i>					
* <i>bonplandiana</i> H.B.K.		PROV: ca cc ch pa	000m: 0-1	RANGE: ang? cag cub mex	herb
<i>elongata</i>					
--var. <i>floribunda</i> (A. Rich.) Keil		PROV: bo da	000m: 0-1	RANGE: ang cag? cub jam mex sag?	herb
--var. <i>oerstediana</i> (Rydb.) Keil		PROV: ca cc ch he pa vr	000m: 0-1	RANGE: cag gua nic	herb
* <i>linifolia</i> L.					
*--var. <i>linifolia</i>		PROV: cn	000m: 0-1	RANGE: mex per	herb
<i>multiflosculosa</i> (DC.) Schultz-Bip.		PROV: ch lo	000m: 0-1	RANGE: cag? col cr ecu hon mex per	herb
<i>prostrata</i> Cav.		PROV: ca	000m: 0-1	RANGE: cag? cub gua mex nag?	herb
* <i>Pentacalia</i>					
* <i>andicola</i> (Turcz.) Cuatr.		PROV: ch	000m: 3+	RANGE: cr ecu per	shrub
* <i>firmipes</i> (Greenm.) Cuatr.		PROV: ch	000m: 3+	RANGE: cr	shrub
* <i>streptothamna</i> (Standl.) H.E. Rob.		PROV: wp	000m: we	RANGE: cr nic	herb
* <i>wilburii</i> H.E. Rob.		PROV: bo ch vr	000m: 1-2,2-3	RANGE: cr sat	herb climber

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
Piptocarpha *poeppigiana (DC.) Baker		PROV: cc da pa	000m: 0-1	RANGE: cr nic	climber shrub
Piqueria trinervia Cav.		PROV: ch	000m: 2-3,3+	RANGE: cag cr his mex	herb
Pluchea carolinensis (Jacq.) G. Don odorata (L.) Cass.	cult.	PROV: ca cn vr PROV: ca	000m: 0-1 000m: 0-1	RANGE: ang nao RANGE: ang cr jam nag?	shrub herb
Pollalesta discolor (H.B.K.) Arist.		PROV: ch pa vr	000m: 0-1,1-2	RANGE: col cr ven	shrub tree
Porophyllum ruderaie (Jacq.) Cass. --var. macrocephalum (DC.) Cronq. --var. ruderaie		PROV: ca cc PROV: ca da lo pa	000m: 0-1 000m: 0-1	RANGE: bol cag col gui mex nao tex RANGE: ang? cr gui per sag sao	herb herb
Pseudelephantopus spicatus (Juss.) Baker spiralis (Less.) Cronq.		PROV: bo ca cc ch cn da lo pa sa PROV: da vr	000m: 0-1 000m: 0-1	RANGE: ang cag mex per sag? sal RANGE: bol col cr jam lag sao ven	herb subshrub herb
*Pseudogynoxys *chenopodioides (H.B.K.) Cabrera *cummingii (Benth.) H.E. Rob. & Cuatr.		PROV: bo ca cc he lo pa vr PROV: wp	000m: 0-1 000m: we	RANGE: ang cag cr mex nic sao RANGE: cag col mex ven	climber climber
Pterocaulon virgatum (L.) DC.		PROV: pa	000m: 0-1	RANGE: ang? nao	herb
Rolandra fruticosa (L.) Kuntze		PROV: bo ca cc ch cn da he pa sa vr	000m: 0-1	RANGE: cag? gui hon lag pr sag? sao	herb subshrub
*Roldana *heterogama (Hemsl.) H.E. Rob. & Brett.		PROV: ch	000m: 2-3	RANGE: cr	subshrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
Rumfordia					
*guatemalensis (Coult.) Blake		PROV: ch	000m: 1-2	RANGE: cr gua mex	herb
Sabazia					
sarmentosa Less.					
--var. papposa (Blake) Canne		PROV: ch	000m: 1-2,2-3,3+	RANGE: cr	herb
Salmea					
scandens (L.) DC.		PROV: ca cc	000m: 0-1	RANGE: mex	shrub
Schistocarpha					
croatii H.E. Rob.		PROV: ch	000m: 2-3	RANGE: end	subshrub
*eupatorioides (Fenzl) Kuntze		PROV: bo ca cc ch cn lo pa	000m: 0-1	RANGE: bol cag mex sao sat	herb subshrub
Sciadocephala					
dressleri K. & R.		PROV: pa sa	000m: 0-1	RANGE: end	herb
Sclerocarpus					
divaricatus (Benth.) Hemsl.		PROV: ch	000m: 0-1	RANGE: cag col mex ven	herb
Senecio					
boquetensis Standl.		PROV: ch	000m: 1-2	RANGE: end	herb subshrub
cooperi Greenm.		PROV: bo ch	000m: 2-3	RANGE: cr	herb
megaphyllus Greenm.		PROV: ch	000m: 3+	RANGE: cr	herb shrub
oerstedianus Benth.		PROV: ch	000m: 3+	RANGE: cr	herb
Sigesbeckia					
jorullensis H.B.K.		PROV: ch	000m: 1-2	RANGE: cr gua his mex sag? sao	herb
Simsia					
panamensis Rob. & Brett.		PROV: ca cc he lo pa	000m: 0-1	RANGE: end	herb
*Sinclairia					
polyantha (Klatt) Rydb.		PROV: cc ch cn pa	000m: 0-1,1-2	RANGE: wr	subshrub climber
*Smallanthus					
*maculatus (Cav.) Rob.					
*--var. maculatus		PROV: ch he vr	000m: 0-1,1-2,2-3	RANGE: cag mex	herb
Sonchus					
asper (L.) Hill		intr. nat. PROV: ch	000m: 1-2,2-3	RANGE: eur	herb
oleraceus L.		intr. nat. PROV: cc ch	000m: 0-1,1-2,2-3	RANGE: cr owg?	herb

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>Spilanthes</i>					
<i>alba</i> L'Her.		PROV: ca cc cn da he lo pa vr	000m: 0-1	RANGE: cag col mex per sag ven	herb
<i>diffusa</i> P. & E.		PROV: cc he	000m: 0-1	RANGE: per	herb
<i>oppositifolia</i> (Lam.) D'Arcy		PROV: ch	000m: 1-2,2-3	RANGE: cag? col cr nag? nao sag? sao	herb
<i>paniculata</i> DC.		PROV: ca da	000m: 0-1	RANGE: bol owg	herb
<i>Spiracantha</i>					
<i>cornifolia</i> H.B.K.		PROV: ca cc cn da he pa	000m: 0-1	RANGE: bel cag? ven	herb
<i>Stevia</i>					
<i>caracasana</i> DC.		PROV: cc ch	000m: 0-1,1-2	RANGE: cag col mex ven	herb
<i>lucida</i> Lag.		PROV: ch	000m: 1-2,2-3,3+	RANGE: cag col mex ven	shrub
<i>ovata</i> Willd.		PROV: ch	000m: 1-2	RANGE: cag ecu mex ven	herb
<i>triflora</i> DC.		PROV: ch pa	000m: 0-1,1-2	RANGE: cag col ecu mex ven	herb
<i>Struchium</i>					
<i>sparganophorum</i> (L.) Kuntze		PROV: bo ca da pa	000m: 0-1	RANGE: ang cag mex sat	herb
<i>Synedrella</i>					
<i>nodiflora</i> (L.) Gaertn.		PROV: bo ca cc ch cn da he lo pa sa vr	000m: 0-1	RANGE: wwt	herb
<i>Tagetes</i>					
<i>erecta</i> L.	cult.	PROV: bo ca cc ch pa	000m: 0-1,1-2	RANGE: cag mex owt sag	herb
<i>filifolia</i> Lag.		PROV: ch	000m: 0-1,1-2	RANGE: cag ecu mex per sag? sao	herb
<i>microglossa</i> Benth.		PROV: ch vr	000m: 1-2	RANGE: cag col cr ecu	herb
* <i>Tanacetum</i>					
<i>*parthenium</i> (L.) Schultz-Bip.	intr. cult.	PROV: ch	000m: 1-2	RANGE: eur	herb
<i>Taraxacum</i>					
<i>officinale</i> Wiggers		PROV: ch	000m: 1-2	RANGE: wdw	herb
* <i>Telanthophora</i>					
<i>arborescens</i> (Steetz) H.E. Rob. & Brett.		PROV: ch	000m: 1-2,2-3	RANGE: end	shrub tree
<i>Tessaria</i>					
<i>integrifolia</i> R. & P.		PROV: ch da	000m: 0-1	RANGE: per	tree shrub

TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
<i>Tithonia</i>					
<i>diversifolia</i> (Hemsl.) A. Gray					
cult.		PROV: cc pa	000m: 0-1	RANGE: ang cag gag his mex	herb
<i>rotundifolia</i> (Mill.) Blake		PROV: cc ch he pa	000m: 0-1	RANGE: ang cag col mex sao	herb
				ven sat	
<i>Trichospira</i>					
<i>verticillata</i> (L.) Blake		PROV: pa	000m: 0-1	RANGE: nwt	herb
<i>Tridax</i>					
<i>procumbens</i> L.		PROV: bo ca cc ch da lo pa	000m: 0-1	RANGE: cag col mex vdw?	herb
<i>Trixis</i>					
<i>inula</i> Grantz		PROV: ch da he lo pa vr	000m: 0-1	RANGE: ang cag col cub gua jam mex tex ven	herb
<i>Tuberostylis</i>					
<i>rhizophorae</i> Steetz		PROV: da	000m: 0-1	RANGE: col ecu	shrub
<i>Unxia</i>					
<i>camphorata</i> L. f.		PROV: ca	000m: 0-1	RANGE: col gui sao ven	herb
<i>Verbesina</i>					
* <i>baruensis</i> Hammel & D'Arcy		PROV: ch	000m: 3+	RANGE: end	climber
<i>fuscescens</i> D'Arcy		PROV: pa	000m: 0-1	RANGE: end	tree
<i>gigantea</i> Jacq.		PROV: ca cc ch pa	000m: 0-1	RANGE: cag col his mex	shrub
<i>guatemalensis</i> Rob. & Greenm.		PROV: ca	000m: 0-1	RANGE: gua hon nic	herb
<i>lanata</i> Rob. & Greenm.		PROV: pa	000m: 0-1	RANGE: bel cr gua hon mex	shrub
<i>oerstadiana</i> Benth.		PROV: ch da	000m: 1-2, 2-3	RANGE: nic cr	tree
<i>sublobata</i> Benth.		PROV: he	000m: 0-1	RANGE: gua	shrub
<i>turbacensis</i> H.B.K.		PROV: ch pa	000m: 0-1, 1-2	RANGE: cag col mex sat ven	shrub
					tree
<i>Vernonia</i>					
* <i>arborescens</i> Sw.		PROV: ca cc ch ch he lo pa vr	000m: 0-1	RANGE: cag mex per sag	shrub
<i>brachiata</i> Benth.		PROV: bo ch	000m: 0-1	RANGE: cr	herb
<i>cinerea</i> (L.) Less.		PROV: ca pa	000m: 0-1	RANGE: cag fla mex owg sag	shrub
<i>patens</i> H.B.K.		PROV: bo ca cc ch ch da he pa vr	000m: 0-1, 1-2	RANGE: cag mex sag	herb
<i>seemanniana</i> Steetz		PROV: cc	000m: 0-1	RANGE: cag cr nag sat	shrub

FLORA OF PANAMA CHECKLIST
 (* - not in Flora of Panama under this name)

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TAXON	FAMILY	PROVINCES	ELEVATION (000M.)	RANGE OUTSIDE OF PANAMA	HABIT
280 (184) COMPOSITAE cont.					
triflosculosa H.B.K.		PROV: ch	000m: 0-1,1-2	RANGE: cag mex	shrub tree
Viguiera					
cordata (Hook. & Arn.) D'Arcy		PROV: cc ch he	000m: 0-1,1-2	RANGE: cag col mex nic ven	herb
sylvatica Klatt		PROV: ch	000m: 1-2	RANGE: cr	herb
tenuis A. Gray		PROV: cc	000m: 0-1	RANGE: cr mex	herb
Wedelia					
calycina Rich.		PROV: ca cc he pa	000m: 0-1	RANGE: cr cub gui lag? mex	shrub
inconstans D'Arcy		PROV: cc he pa	000m: 0-1	RANGE: end	herb subshrub
keatingii D'Arcy		PROV: cc	000m: 0-1	RANGE: cr nwt	herb
parviceps Blake		PROV: ch vr	000m: 1-2	RANGE: cag gua mex	herb
trilobata (L.) Hitchc.	cult.	PROV: bo ca cn lo pa sa vr	000m: 0-1	RANGE: nwt	subshrub herb
*Werneria					
*nubigena H.B.K.		PROV: ch	000m: 0-1	RANGE: mex sat	herb
Wulffia					
baccata (L. f.) Kuntze		PROV: bo ca cc cn da he pa sa	000m: 0-1,1-2	RANGE: nwt	climber
Youngia					
japonica (L.) DC.		PROV: ca ch	000m: 0-1,1-2	RANGE: cr	herb
*Zexmenia					
*mikanioides (Britt.) Blake					
*--var. australis (Blake) Hartman & Stuessy					
virgulta Klatt		PROV: pa PROV: bo ch pa vr	000m: 0-1 000m: 0-1,1-2	RANGE: bol per ven RANGE: cr	herb shrub
Zinnia					
violacea Cav.	cult.	PROV: ca cn sa	000m: 0-1	RANGE: ang fla gua mex sag	herb

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1. BY SYMBOL.

SYMBOLS FOR OCCURRENCES OUTSIDE OF PANAMA

2. BY REGION.

[illegible]

LIST OF FAMILIES

Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)
ACANTHACEAE	ACA	266	(177)	CAMPANULACEAE	CAM	276	(183)	DROSERACEAE	DRS	112	(76a)
AIZOACEAE	AIZ	84	(57)	CASUARINACEAE	CAS	51	(—)	DIOSCOREACEAE	DSC	43	(26)
ALISMATACEAE	ALI	15	(4)	CYCADACEAE	CCD	1	(1)	EBENACEAE	EBN	240	(155)
AMARANTHACEAE	AMA	79	(53)	COCHLOSPOERMACEAE	CCH	195	(126)	ELAEOCARPACEAE	ELC	171	(113)
AMARYLLIDACEAE	AML	40	(24)	CARYOCARACEAE	CCR	183	(120)	ERICACEAE	ERI	233	(148, 149)
ANACARDIACEAE	ANA	153	(101)	CELASTRACEAE	CEL	158	(103)	ERIOCAULACEAE	ERO	30	(15)
ANNONACEAE	ANN	98	(67)	CHENOPODIACEAE	CHN	78	(52)	ERYTHROXYLACEAE	ERX	134	(87)
APOCYNACEAE	APO	247	(162)	CISTACEAE	CIS	193	(124)	EUPHORBIACEAE	EUP	147	(97)
AQUIFOLIACEAE	AQF	157	(102)	CLETHRACEAE	CLE	230	(147)	FAGACEAE	FAG	62	(41)
ARACEAE	ARA	23	(11)	CALLITRICHACEAE	CLL	148	(98)	FLACOURTIACEAE	FLC	199	(128)
ARALIACEAE	ARL	227	(144)	CHLORANTHACEAE	CLR	54	(35)	GENTIANACEAE	GEN	246	(160, 161)
ARISTOLOCHIACEAE	ARS	74	(50)	COMBRETACEAE	CMB	221	(139)	GERANIACEAE	GER	129	(85)
ARAUCARIACEAE	ARU	6	(—)	COMMELINACEAE	CMM	33	(18)	GNETACEAE	GNE	7	(2a)
ASCLEPIADACEAE	ASC	248	(163)	COMPOSITAE	CMP	280	(184)	GRAMINEAE	GRM	19	(7)
AVICENNIACEAE	AVI	253a	(168a)	CANNACEAE	CNA	47	(31)	GESNERIACEAE	GSN	262	(175)
BASELLACEAE	BAS	86	(58a)	CONNARACEAE	CNN	127	(82)	GUTTIFERAE	GUT	187	(123)
BATAACEAE	BAT	81	(55)	CONVOLVULACEAE	CNV	249	(164)	HAEMODORACEAE	HAE	39	(23)
BEGONIACEAE	BEG	208	(133)	CORNACEAE	COR	229	(146)	HALORAGACEAE	HAL	225	(143)
BERBERIDACEAE	BER	93	(63)	CAPPARACEAE	CPP	107	(73)	HIPPOCASTANACEAE	HCS	164	(107)
BETULACEAE	BET	61	(40)	CAPRIFOLIACEAE	CPR	271	(180)	HYDROCHARITACEAE	HOC	17	(5a)
BIGNONIACEAE	BIG	258	(172)	CARICACEAE	CRC	205	(131)	HUMIRIACEAE	HOU	133	(87a)
BIXACEAE	BIX	194	(125)	CORIARIACEAE	CRI	151	(100)	HIPPOCRATEACEAE	HPC	159	(104)
BALSAMINACEAE	BLS	168	(110)	CRASSULACEAE	CRS	115	(77)	HERNANDIACEAE	HRN	103	(71)
BROMELIACEAE	BML	32	(17)	CRUCIFERAE	CRU	105	(74)	HYDROPHYLLACEAE	HYD	251	(166)
BURMANNIACEAE	BMN	49	(28)	CARYOPHYLLACEAE	CRY	87	(58)	HYPERICACEAE	HYP	187	(123a)
BRUNELLIACEAE	BNL	119	(80a)	GERATOPHYLLACEAE	CTP	89	(61)	ICACINACEAE	ICC	182	(106)
BALANOPHORACEAE	BNP	73	(49)	CUCURBITACEAE	CUC	275	(182)	IRIDACEAE	IRI	44	(27)
BOMBACACEAE	BOM	177	(116)	CUNONIACEAE	CUN	120	(80)	JUGLANDACEAE	JUG	60	(38)
BORAGINACEAE	BOR	252	(167)	CYCLANTHACEAE	CYC	22	(10)	JUNCACEAE	JUN	36	(20)
BURSERACEAE	BRS	139	(91)	CYPERACEAE	CYP	20	(8)	LABIATAE	LAB	254	(188)
BUTOMACEAE	BUT	16	(5)	CYRILLACEAE	CYR	154	(101a)	LAURACEAE	LAU	102	(70)
BUXACEAE	BUX	149	(98)	DICHAPELALACEAE	DCH	148	(96a)	LACISTENIACEAE	LCS	55	(36)
CACTACEAE	CAC	210	(134)	DILLENIACEAE	DLL	183	(118)	LECYNTHACEAE	LCY	219	(137)

LIST OF FAMILIES (continued)

Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)	Family Name	Acronym (Weber 1982)	Dalla Torre & Harms	(Flora of Panama)
LEGUMINOSAE	LEG	128	(83)	OLEACEAE	OLE	243	(158)	RUTACEAE	RUT	137	(89)
LILIACEAE	LIL	38	(21, 22)	ONAGRACEAE	ONA	224	(142)	SABIACEAE	SAB	166	(109)
LEMNACEAE	LMN	24	(12)	OPILIACEAE	OPI	71	(47)	SALICACEAE	SAL	56	(37)
LENTIBULARIACEAE	LNT	264	(176)	ORCHIDACEAE	ORC	50	(33)	SAPINDACEAE	SAP	165	(108)
LOASACEAE	LOA	206	(132)	OROBANCHACEAE	ORO	261	(174)	SAXIFRAGACEAE	SAX	117	(79)
LOGANIACEAE	LOG	245	(159)	OXALIDACEAE	OXL	130	(84)	SCROPHULARIACEAE	SCR	257	(171)
LORANTHACEAE	LOR	67	(46)	PALMAE	PAL	21	(9)	SIMAROUBACEAE	SMR	138	(90)
LYTHRACEAE	LYT	216	(136)	PAPAVERACEAE	PAP	104	(72)	SOLANACEAE	SOL	256	(170)
MAGNOLIACEAE	MAG	95	(65)	PASSIFLORACEAE	PAS	203	(130)	SAPOTACEAE	SPT	239	(154)
MARTYNIACEAE	MAR	260	(—)	PODOCARPACEAE	PDC	5	(2)	STAPHYLEACEAE	STP	161	(105)
MAYACACEAE	MAY	28	(13)	PODOSTEMACEAE	PDS	113	(78)	STERCULIACEAE	STR	178	(117)
MELIACEAE	MEL	140	(92)	PEDALIACEAE	PED	259	(173)	STYRACACEAE	STY	241	(156)
MALPIGHIACEAE	MLP	141	(93)	POLYGALACEAE	PGL	145	(96)	SYMPLOCACEAE	SYM	242	(157)
MELASTOMATACEAE	MLS	223	(141)	PHYTOLACCACEAE	PHT	83	(56)	THEACEAE	TEA	186	(122)
MALVACEAE	MLV	175	(115)	PIPERACEAE	PIP	53	(34)	THEOPHRASTACEAE	TEO	135a	(151)
MONIMIACEAE	MNM	101	(69)	PLUMBAGINACEAE	PLB	238	(153)	THYMELAEACEAE	THY	214	(135)
MENISPERMACEAE	MNS	94	(64)	POLYGONACEAE	PLG	77	(51)	TILIACEAE	TIL	174	(114)
MENYANTHACEAE	MNY	546a	(161)	POLEMONIACEAE	PLM	250	(165)	TURNERACEAE	TNR	201	(129)
MORACEAE	MOR	64	(43)	PONTEDERIACEAE	PON	34	(19)	TOVARIACEAE	TOV	106	(73a)
MARCGRAVIACEAE	MRC	184	(121)	PORTULACACEAE	POR	85	(58)	TRIGONIACEAE	TRG	142	(94)
MORINGACEAE	MRG	109	(76)	POTAMOGETONACEAE	POT	11	(3a)	TRIURIDACEAE	TRI	18	(6)
MARANTACEAE	MRN	48	(32)	PRIMULACEAE	PRM	237	(152)	TROPAEOLACEAE	TRP	131	(86)
MYRSINACEAE	MRS	236	(150)	PROTEACEAE	PRT	66	(45)	TYPHACEAE	TYP	8	(3)
MYRTACEAE	MRT	222	(140)	QUIINACEAE	QII	185	(121a)	ULMACEAE	ULM	63	(42)
MUSACEAE	MUS	45	(29)	RAFFLESIIACEAE	RAF	75	(50a)	UMBELLIFERAE	UMB	228	(145)
MYRICACEAE	MYR	57	(38)	RANUNCULACEAE	RAN	91	(62)	FAMILY UNKNOWN	UNK	500	(—)
MYRISTICACEAE	MYS	99	(68)	RHAMNACEAE	RHM	169	(111)	FAMILY UNKNOWN	UNP	300	(—)
NAJADACEAE	NAJ	12	(3B)	RHIZOPHORACEAE	RHZ	220	(138)	(PTERIDOPHYTE)			
NYCTAGINACEAE	NYC	80	(54)	ROSACEAE	ROS	126	(81)	NOT VASCULAR PLANT	UNV	501	(—)
NYMPHAEACEAE	NYM	88	(60)	RAPATEACEAE	RPT	31	(16)	URTICACEAE	URT	65	(44)
OCHNACEAE	OCH	182	(119)	RESEDACEAE	RSD	108	(75)	VALERIANACEAE	VAL	273	(181)
OLACACEAE	OLC	72	(48)	RUBIACEAE	RUB	270	(179)	VIOLACEAE	VIO	198	(127)