

File ID 220978  
Filename Appendices

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SOURCE (OR PART OF THE FOLLOWING SOURCE):

Type Dissertation  
Title Flora and dynamics of an upland and a floodplain forest in Peña Roja,  
Colombian Amazonia = Flora y dinámica de bosques de tierra firme y de  
várzea en Peña Roja, Amazonia colombiana  
Author A.C. Londoño Vega  
Faculty Faculty of Science  
Year 2011  
Pages 243  
ISBN 978-90-76894-97-3

FULL BIBLIOGRAPHIC DETAILS:

<http://dare.uva.nl/record/381330>

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# **Appendices**

## Appendix 1

This appendix contains the descriptions and laboratory analyses of soil profiles 125 and 126 taken from Duivenvoorden and Lips (1995). Methods of analyses and sampling procedures are described in Duivenvoorden and Lips (1995). Mapping units refer to the legend of the landscape ecological map of the Middle Caquetá Basin (Duivenvoorden and Lips 1993).

### *Profile number: 125*

Mapping unit: Sv

Soil classification: clayey, kaolinitic, isohyperthermic typic Kandiudult (SSS 1992), xanthic Ferralsol (FAO 1988)

Date of examination: February 19 and October 25 1990

Authors: J.M. Lips & J.F. Duivenvoorden

Location: 875 m from the left bank of the Caquetá River in front of the Island Sumaeta, Amazonas, Colombia (0°39'S, 72°05'W)

Elevation: approx. 200 m a.s.l.

Landform: sedimentary Tertiary plain; physiographic position: shoulder straight slope; surrounding topography: steeply dissected; microtopography: none

Slope: sloping (6°); exposition: 222° (SW)

Vegetation: high forest of high biomass, of the *Swarzia schomburgkii-Clathrotropis macrocarpa* community

Climate: Afi (3060 mm/year, 25.7°C)

### *General information on the soil*

Parent material: Tertiary fluvial deposits, with a cover of Pleistocene? fluvial deposits

Drainage class: well drained (4)

Moisture conditions in profile: moist throughout

Depth of groundwater: not encountered

Presence of surface stones and rock outcrops: none

Evidence of erosion: none

Human influence: none

### *Description of the individual soil horizons*

L 9.78-8.00 cm. 90% leaf, 10% branch; cover 75%; loose to non compact matted structure; loose consistency; leafy character; abrupt broken boundary to:

F 8.00-3.95 cm. 38% leaf, 2% branch, 50% root, 10% fine material; reddish to dark brown (5-7.5YR4/4) dry; irregular structure; resilient consistency; fibrous character; abundant roots ≤5 mm, common roots 6-10 mm; very few roots >10 mm, random orientation; gradual wavy to irregular boundary to:

H 3.95-0 cm. 5% leaf, 42% fine material, 53% root; reddish to dark brown (5-7.5YR4/4) dry; granular structure; friable consistency; greasy character; abundant roots ≤5 mm, common roots 6-10 mm; few roots >10 mm, random orientation; gradual wavy to irregular boundary to:

- A 0-8 cm. Brown (7.5YR4/4) moist loam; weak medium granular; very friable moist, slightly sticky and slightly plastic wet; common very fine and fine, frequent medium and coarse roots; clear wavy boundary to:
- AB 8-30 cm. Brown (10-7.5YR4/6) moist clayloam; moderate medium subangular blocky; very friable moist, slightly sticky and slightly plastic wet; common very fine, fine, medium and coarse roots; common faunal activity (channels filled with A material); common charcoal fragments; gradual smooth boundary to:
- Bt11 30-70 cm. Bright brown (7.5YR5/6) moist clay; moderate medium and coarse subangular blocky; friable moist, slightly sticky and slightly plastic wet; few very fine, fine and medium, very few coarse roots; few faunal activity; diffuse smooth boundary to:
- Bt12 70-160+ cm. Bright brown (7.5YR5/7) moist clay; moderate medium and coarse subangular blocky; friable moist, slightly sticky and slightly plastic wet; few very fine, fine and medium, very few coarse roots

Remarks: many coarse angular quartz sand particles present throughout the profile; data part of Bt12 derived from augering; H horizon discontinuous

#### *Analyses profile 125*

horizon	depth	texture			pH (1:1)		C	bulk density	P avail.
		sand	silt	clay	H <sub>2</sub> O	KCl			
	cm	%					%	g/ml	mg/kg
A	0-8	72	10	18	3.7	-	1.97	0.8	1
AB	8-30	46	14	40	4.2	-	0.42	1.2	1
Bt11	30-70	42	8	50	4.6	-	0.13	1.3	1
Bt12 (80-100)	70-160+	42	10	48	4.7	-	-	1.3	1
Bt12 (130-160)	70-160+	42	10	48	4.9	-	-	-	1

horizon	exchange properties										
	Ca	Mg	K	Na	acidity	bases	CEC7 ECEC		CECc	ECECc	BS
							cmol(+)/kg soil	cmol(+)/kg soil			
									clay		%
A	0.2	0.2	0.2	0.3	2.0	0.9	15.3	2.9	10.3	3.4	6
AB	0.2	0.2	0.04	0.1	1.7	0.5	8.5	2.2	14.1	4.4	6
Bt11	0.2	0.2	0.1	0.3	1.1	0.8	6.0	1.9	10.2	3.5	13
Bt12	0.2	0.2	0.03	0.1	1.0	0.5	4.8	1.5	9.4	3.1	11
Bt12	0.2	0.2	0.04	0.1	0.9	0.5	4.4	1.4	8.9	3.0	12

horizon	necromass mean±sd g/m <sup>2</sup>	totals										LOI	
		HF-H <sub>2</sub> SO <sub>4</sub> digestion					HNO <sub>3</sub> -H <sub>2</sub> O <sub>2</sub> digestion						
		Ca	Mg	K	Na	P	Ca	Mg	K	Na	P	N	
L	200±0	-	-	-	-	-	934	617	833	22	145	15664	98
F	2160±0	134	184	488	87	269	112	127	392	68	166	14977	67
H	1170±0	79	162	243	98	199	39	82	150	42	124	11299	46

*Profile number: 126*

Mapping unit: Ec

Higher catagory classification: fine loamy, mixed, isohyperthermic oxyaquic  
Dystropept (SSS 1992), dystric Cambisol (FAO 1988)

Date of examination: February 20 and October 24 1990

Authors: J.M. Lips & J.F. Duivenvoorden

Location: 100 m from the right bank of the Caquetá River, 2.25 km up stream of the  
Island Sumaeta, Amazonas, Colombia (0°37'S, 72°07'W)

Elevation: approx. 155 m a.s.l.

Landform: rarely inundated flood plain of the Caquetá River; physiographic position:  
concave part; surrounding topography: almost flat; microtopography: shallow  
depressions

Slope: flat (0°); exposition: none

Vegetation: high forest of intermediate biomass of the *Brownea grandiceps-Iriartea*  
*ventricosa* community

Climate: Afi (3060 mm/year, 25.7°C)

*General information on the soil*

Parent material: Holocene alluvial deposits of the Caquetá River

Drainage class: imperfectly to moderately well drained (2-3)

Moisture conditions in profile: moist throughout

Depth of groundwater: not encountered

Presence of surface stones and rock outcrops: none

Evidence of erosion: none

Human influence: none

*Description of the individual soil horizons*

L 4.45-2.20 cm. 90% leaf, 10% branch<2% fruit; cover 60%; single particle  
structure; loose consistency; leafy character; abrupt broken boundary to:

F 2.20-0 cm. 80% leaf, 10% branch, 10% root, <2% fruit; brown (10-  
7.5YR4/4) dry; single particle to compact matted structure; loose  
consistency; leafy character; common roots ≤5 mm, no roots 6-10 mm; no  
roots >10 mm, random orientation; common faunal activity (worm  
droppings); clear irregular boundary to:

Ah 0-2 cm. Brown (10YR4/4) moist silty loam; moderate fine and medium  
crumb; very friable moist, slightly sticky and slightly plastic wet; common  
very fine, fine, medium and coarse roots; common faunal activity; clear  
wavy boundary to:

AB 2-22 cm. Yellowish brown (10YR5/6) moist silty clay loam; moderate  
medium subangular blocky; very friable moist, slightly sticky and slightly  
plastic wet; common very fine and fine, few medium and coarse roots;  
common faunal activity; few charcoal fragments; gradual smooth boundary  
to:

Bw1 22-45 cm. Yellowish brown (10YR5/6) moist silty clay; moderate medium  
subangular blocky; friable to firm moist, slightly sticky and plastic wet;  
very few very fine, fine, medium and coarse roots; gradual smooth  
boundary to:

- Bw2      45-75 cm. Yellowish brown (10YR5/6) moist silty clay loam, with common medium distinct diffuse bright brown (7.5YR5/6) and few medium distinct diffuse orange grey mottles; moderate medium and coarse subangular blocky; friable moist, slightly sticky and slightly plastic wet; very few small soft Fe/Mn nodules; very few very fine, fine, medium and coarse roots; gradual smooth boundary to:
- Bwg      75-155+ cm. Yellowish brown (10YR6/3) moist silty clay loam, with common medium distinct clear bright brown (7.5YR5/6) and yellowish brown (10YR5/6) mottles; moderate medium and coarse subangular blocky; friable moist, slightly sticky and slightly plastic wet; few small and large soft Fe/Mn nodules; very few very fine, fine, medium and coarse roots

Remarks: sand size mica fragments visible throughout the profile; data part of B22 derived from augering

#### *Analyses profile 126*

horizon	depth	texture			pH (1:1)		C	bulk density	P avail.
		sand	silt	clay	H <sub>2</sub> O	KCl			
	cm	%					%	g/ml	mg/kg
Ah	0-2	24	46	30	3.9	-	3.26	0.5	4
AB	2-22	16	44	40	3.9	-	0.34	1.3	1
Bw1	22-45	12	38	50	4.2	-	0.20	1.4	1
Bw2	45-75	24	36	40	4.6	-	-	1.4	1
Bwg (80-95)	75-155+	26	40	34	4.7	-	-	1.4	1
Bwg (140-155)	75-155+	14	36	50	5.1	-	-	-	2

horizon	exchange properties											
	Ca	Mg	K	Na	acidity		bases CEC7 ECEC	CECc ECECc		BS	% clay	
					cmol(+)/kg soil	cmol(+)/kg soil		cmol(+)/kg soil	cmol(+)/kg soil			
Ah	3.2	3.6	0.4	0.2	2.8	7.4	23.8	10.2	34.1	18.0	31	
AB	0.2	0.2	0.1	0.2	4.3	0.7	13.7	5.0	30.7	11.2	5	
Bw1	0.2	0.2	0.1	0.2	6.5	0.7	14.1	7.2	26.5	13.8	5	
Bw2	0.2	0.2	0.4	0.7	5.8	1.5	13.3	7.3	32.6	18.0	11	
Bwg	0.2	0.2	0.01	0.01	6.1	0.4	16.2	6.5	47.2	19.0	3	
Bwg	3.2	3.2	0.2	0.2	5.5	6.8	15.7	12.3	31.2	24.5	43	

horizon	necromass mean±sd	totals										LOI	
		HF-H <sub>2</sub> SO <sub>4</sub> digestion					HNO <sub>3</sub> -H <sub>2</sub> O <sub>2</sub> digestion						
		Ca	Mg	K	Na	P	Ca	Mg	K	Na	P	N	
	g/m <sup>2</sup>						mg/kg					%	
L	350±0	-	-	-	-	-	11496	2760	2569	42	424	18059	90
F	950±0	8120	2384	4627	683	724	7184	2097	1864	68	463	18541	69

## Appendix 2

Listado de plantas vasculares en parcelas permanentes en bosques del Plano Sedimentario Terciario (PST, tierra firme) y de la Llanura Aluvial con Inundación Esporádica del río Caquetá (LAI, várzea) en Peña Roja, Amazonia colombiana. Publicado en *Caldasia* 19(3) 431-463 (1997).

Se incluyen plantas vasculares con altura total mayor o igual que 50 cm. Para cada especie se indica: su nombre; su hábito de crecimiento (ver abajo); la localidad donde se encontró (L: Llanura Aluvial con inundación esporádica del río Caquetá; P: Plano Sedimentario Terciario); y una muestra botánica de referencia (colectores: EA: Esteban Álvarez; CL: Ana Catalina Londoño).

Formas de crecimiento: árboles (A), arbustos (T), escandentes herbáceos (SH), escandentes leñosos (SL), estranguladoras (SZL), helechos arbóreos (FA), helechos escandentes (FSH), helechos terrestres (FH), hemiepífitas herbáceas (SEH), hemiepífitas leñosas (SEL), hierbas terrestres (H), palmas arbóreas cespitosas (PAC), palmas arbóreas monoestipitadas (PAM), palmas arbustivas acaules (PTU), palmas arbustivas cespítosas (PTC), palmas arbustivas monoestipitadas (PTM), palmas escandentes (PSL).

En los bosques inventariados se identificaron las plantas hasta el nivel de especie taxonómica (Grant 1989); cuando esto no fue posible se emplearon morfoespecies en la denominación de los taxones. Para las familias de plantas superiores se siguió el sistema de Cronquist (1981), con excepción de Caesalpiniaceae, Fabaceae y Mimosaceae, que fueron agrupadas en Leguminosae en la presentación de resultados para facilitar la comparación con otros estudios. Cecropiaceae se presenta separada de Moraceae, Hippocrateaceae aparte de Celastraceae y Mendonciaceae segregada de Acanthaceae. Para las Pteridophyta se empleó la nomenclatura de familias de Mabberley (1990).

**ACANTHACEAE:** *Aphelandra aurantiaca* (Scheidweiler) Lindley.; H; L; CL 1578. *Justicia chlorostachya*; H; L; EA 258. *J. sp. 1*; H; P; EA 1046.

**ADIANTACEAE:** *Adiantum latifolium* Lam.; FH; L; EA 561.

**ANACARDIACEAE:** *Spondias* sp. 1; A; LAI; EA 756. *Tapirira guianensis* Aublet; A; L; EA 111. *T. retusa* Ducke; A; L; EA 406. *Thyrsodium* sp. 1; A; L; EA A230. *T. sp.* 2; A; P; CL 961.

**ANNONACEAE:** *Anaxagorea dolichocarpa* Sprague & Sandwith; A; L; EA 606. *A. rufa* Timmerman; A; P; CL 864. *Annona* aff. *dolichophylla* R. E. Fries; A; L; EA 741. *A. excellens* R. E. Fries; A; P; CL 1352. *A. hypoglauca* C. Martius; A; L; EA 810. *A. sp.* 2; A; L; EA 14. Annonaceae sp. 1; A; L; EA 585. *A. sp.* 2; A; P; EA 1049. Annonaceae? sp. 3; SL; L; EA 766. *Bocageopsis multiflora* (C. Martius) R. E. Fries; A; P; CL 1190. *Duguetia asterotricha* Diels; A; L; EA 228. *D. latifolia* R. E. Fries; A; L; EA 584. *D. odorata* (Diels) J. F. Macbride; A; L; P; CL 1600. *D. sp.* 1; A; L; P; EA 571. *D. spixiana* C. Martius; A; L; CL 1573. *Guatteria* aff. *acutissima* R. E. Fries; A; P; CL 344. *G. aff. ferruginea* A. St. Hilaire; A; P; CL 971. *G. aff. villosissima* A. St. Hilaire; A; L; EA 527. *G. atra* Sandwith; A; L; EA 465. *G. cf. amazonica* R. E. Fries; A; L; EA 9. *G. foliosa* Benth.; A; P; CL 1094. *G. guianensis* (Aublet) R. E. Fries; A; P; EA 1099. *G. megalophylla* Diels; A; L; P; EA-758. *G. puniculata* R. E. Fries; A; P; CL 1371. *G. sp.* 1; A; P; CL 474. *G. sp.* 2; A; P; CL 518. *G. sp.* 3; A; P; EA 828. *Guatteriella tomentosa* R. E. Fries; A; P; EA 1100. *Malmea dielsiana* Safford ex R. E. Fries; A; L; EA 630. *Oxandra euneura* Diels; A; L; P; CL 1637. *O. mediocris* Diels; A; L; EA 204. *O. polyantha* R. E. Fries; A; L; EA 710. *O. sp.* 1; A; P; CL 56. *O. xylopioides* Diels; A; L; EA 396. *Pseudoxandra* aff. *pacifica* P. Maas; A; L; EA 534. *Rollinia cuspidata* C. Martius; A; L; EA 681. *R. edulis* Triana & Planchon; A; L; EA 523. *Unonopsis* sp. 1; A; P; EA 796. *U. stipitata* Diels; A; P; EA-55. *Xylopia* aff. *benthamii* R. E. Fries; A; P; CL 1423. *X. excellens* R. E. Fries; A; L; EA 410. *X. parvifolia* Diels; A; P; CL 709. *X. sericea* A. St. Hilaire; A; P; CL 1232.

**APOCYNACEAE:** Apocynaceae sp. 1; SL; L; CL 1641. *Aspidosperma* aff. *megalocarpon* Muell. Arg.; A; P; CL 1147. *A. cf. desmanthum* Bentham & Muell. Arg.; A; P; CL 1301. *A. cf. schultesii* Woodson; A; L; P; EA 295. *A. excelsum* Bentham; A; P; CL 1231. *A. marcgravianum* Woodson; A; L; EA 86. *A. sp.* 1; A; P; CL 1001. *A. sp.* 2; A; P; EA 180. *A. sp.* 3; A; P; CL 1277. *A. sp.* 4; A; L; EA 83. *A. sp.* 5; A; L; EA 447. *A. sp.* 6; A; L; EA 411. *Couma macrocarpa* Barbosa Rodrigues; A; P; CL A9. *Forsteronia* sp. 1; A; P; CL 926. *Lacmellea* aff. *oblongata* Markgraf; A; L;

EA 531. *L. cf. arborescens* (Muell. Arg.) Markgraf; A; P; CL 1143. *L. cf. gracilis* (Muell. Arg.) Markgraf; A; L; CL 1615. *L. foxii* (Stapf) Markgraf; A; P; CL 838. *L. sp.* 1; A; P; EA 875. *L. sp.* 2; A; P; CL 1305. *L. sp.* 3; A; P; EA 49. *Macoubea* aff. *witotorum* R. Schultes; A; P; CL 850. *Malouetia* aff. *killipii* Woodson; A; L; EA 739. *M. aff. peruviana* Woodson; A; L; EA 706. *M. sp.* 1; A; P; CL 1377. *M. sp.* 2; A; P; CL 1509. *Mandevilla* sp. 1; SL; P; CL 259. *M. sp.* 2; SL; P; EA 1181. *Mesechites* cf. *bicorniculata* (Rusby) Woodson; SL; P; EA 1175. *Mesechites?* sp. 1; SL; P; CL 1395. *Odontadenia macrantha* (Roemer & Schultes) Markgraf; SL; L; EA 804. *O. sp.* 1; SL; L; EA 1210. *O. sp.* 2; SL; P; CL 1388. *O. sp.* 3; SL; P; EA 1130. *Parahancornia* cf. *peruviana* Monachino; A; P; CL 1156. *Prestonia* sp. 1; SH; L; EA 815. *P. sp.* 2; SH; L; EA 376. *Tabernaemontana* aff. *macrocalyx* Muell. Arg.; T; P; CL 215. *T. cf. tetrastachys* Kunth; T; P; CL 724. *T. sp.* 1; T; L; EA 694. *T. sp.* 2; A; P; CL 1347.

**ARACEAE:** *Anthurium* aff. *atropurpureum* R. Schultes & Maguire; SEH; L; EA 677. *A. aff. gracile* (Rudge) Schott; SEH; L; EA 1200. *A. cf. pentaphyllum* (Aublet) G. Don; SEH; L; EA 545. *A. cf. polyschistum* R. Schultes & Idrobo; SEH; P; EA 701. *A. clavigerum* Poeppig & Endlicher; SEH; L; EA 620. *A. sp.* 1; SEH; L; EA 678. *A. sp.* 2; SEH; L; CL 1525. *A. sp.* 3; SEH; L; EA 593. Araceae sp. 1; SH; L; EA 292. *A. sp.* 4; SH; P; EA 1079. *A. sp.* 5; SH; P; CL 566. *Dieffenbachia* sp. 1; H; L; CL 1566. *Heteropsis* cf. *macrophylla* Kunth; SL; P; CL 168. *H. cf. oblongifolia* Kunth; SL; L; P; CL 1146. *H. cf. spruceana* Schott; SL; P; CL 158. *H. jenmanii* Oliver; SL; L; P; EA 1098. *H. sp.* 1; SL; P; CL 307. *H. sp.* 2; SL; P; CL 804. *Monstera* sp. 1; SEH; L; CL 1595. *Philodendron* aff. *fragantissimum* (Hooker) G. Don; SEH; P; EA 1078. *P. cf. longistylum* K. Krause; SEH; P; CL 630. *P. chanchamayense* Engler; SEH; L; EA 321. *P. insigne* Schott; SEH; P; EA 1034. *P. pteropus* C. Martius ex Schott; SEH; L; EA 604. *P. sp.* 01; SEH; P; CL 1028. *P. sp.* 02; SEH; L; CL 1633. *P. sp.* 03; SEH; P; EA 1059. *P. sp.* 04; SEH; L; P; EA 609. *P. sp.* 05; SEH; P; CL 1508. *P. sp.* 06; SEH; L; EA 581. *P. sp.* 07; SEH; P; CL 250. *P. sp.* 08; SEH; P; CL 666. *P. sp.* 09; SEH; P; CL 360. *P. sp.* 10; SEH; P; CL 477. *P. sp.* 11; SEH; P; EA 1077.

**ARALIACEAE:** *Dendropanax* aff. *cuneatus* (DC.) Decaisne & Planchon; A; P; CL 968. *D. sp.* 1; SZL; L; EA 657.

**ARECACEAE:** *Astrocaryum aculeatum* G. Meyer; PAM; L; *A. gynacanthum* C. Martius; PAC; L; CL 1650. *A. sciophilum* (Miquel) Pulle; PAM; L; EA 615. *Bactris balanophora* Spruce; PTM; P; CL 689. *B. hirta* C. Martius; PTM; P; CL 848. *B. humilis* (Wallace) Burret; PTM; P; CL 1471. *B. killipii* Burret; PTM; P; CL 965. *B. monticola* Barbosa Rodrigues; PAC; L; P; CL 1601. *B. simplicifrons* C. Martius; PTM; P; EA 1191. *Chamaedorea pauciflora* C. Martius; PTM; L; EA 554. *Desmoncus polyacanthos* C. Martius; PSL; L; EA 307. *D. pumilus* Trail; PSL; L; EA 603. *D. setosus* C. Martius; PSL; L; EA 902. *Euterpe precatoria* C. Martius; PAM; L; EA 622. *Geonoma macrostachys* C. Martius; PTU; L; CL 1563. *G. multiflora* C. Martius; PTM; P; CL 783. *G. piscicauda* Dammer; PTM; P; CL 1016. *G. poeppigiana* C. Martius; PTM; L; EA 565. *G. pycnostachys* C. Martius; PTC; L; CL 1603. *Iriartea deltoidea* R. & P.; PAM; L; EA 266. *Iriartella setigera* (C. Martius) H. A. Wendland; PTC; P; CL-876. *Lepidocaryum tenue* C. Martius; PTC; P; CL 1518. *Oenocarpus bacaba* C. Martius; PAM; P; CL 1381. *O. bataua* C. Martius; PAM; P; *O. mapora* Karsten; PAC; L; EA 621. *Orbignya polysticha* Burret; PTU; P; CL 1379. *Pholidostachys synanthera* (C. Martius) H. Moore; PTM; P; CL 1380. *Socratea exorrhiza* (C. Martius) H. A. Wendland; PAM; P; CL 1378. *Wettinia augusta* Poeppig & Endlicher; PAM; P; CL 878.

**ASCLEPIADACEAE:** *Cynanchum (Mellichampia)* sp. nov. aff. *C. riometense* Sundell; SH; L; EA 807.

**ASPLENIACEAE:** *Lomagramma guianensis* (Aublet) Ching; FSH; L; EA 207. *Lomariopsis japurensis* J. Sm.; FSH; L; EA 327. *L. sp. 1*; FSH; L; EA 233. *Polybotrya* sp. 1; FSH; P; CL 112.

**ASTERACEAE:** *Mikania vaupesensis* W. Holmes & McDaniel; SL; L; EA 1247. *Mikania?* sp. 1; SL; L; EA 1225. *Piptocarpha poeppigiana* (DC.) Baker; SL; L; EA 110.

**BIGNONIACEAE:** *Arrabidaea* aff. *oligantha* Bureau & Schumann; SL; P; CL 366. *A. bilabiata* (Sprague) Sandwith; SL; L; EA 698. *A. covallim* (Vaq.) Sandwith; SL; L; EA 1214. *A. sp. 1*; SL; P; CL 614. Bignoniaceae sp. 1; SL; L; EA 1205. *B. sp. 2*; SL; P; EA 1159. *Callichlamys latifolia* (Richard) Schumann; SL; L; EA 1212. *Cydista aequinoctialis* (L.) Miers; SL; L; EA 812. *Distictella* sp. nov. aff. *D. parkeri* DC.; SL; P; CL 1136. *Distictis pulverulenta* (Sandwith) A. Gentry; SL; P; CL 1187. *Jacaranda*

*macrocarpa* Bureau & Schumann ex Schumann; A; P; CL 1067. *J. obtusifolia* Humboldt & Bonpland ssp. *obtusifolia*; A; P; CL 323. *Martinella obovata* (H. B. K.) Bureau & Schumann; SL; P; CL A16. *Memora cladotricha* Sandwith; SL; L; P; EA 617. *M. pseudopatula* A. Gentry; SL; L; EA 768. *Memora?* sp. 1; SL; L; EA 236. *Paragonia pyramidata* (Richard) Bureau.; SL; L; CL 1608. *P.* sp. 1; SL; P; CL 526. *Pleonotoma jasminifolia* (H. B. K.) Miers; SL; P; CL 205. *Potamoganos* sp. 1; SL; P; CL 124. *Schelegelia* sp. 1; SL; L; EA 1237. *Tenaecium jaroba* Swartz; SL; L; EA 918. *Tynanthus* aff. *goudotianus* (Bureau) Sandwith; SL; P; CL 1449. *T. panurensis* (Bureau) Sandwith; SL; P; CL 625.

**BOMBACACEAE:** *Huberodendron swietenioides* (Gleason) Ducke; A; P; CL 1200. *Matisia* cf. *bracteolosa* Ducke; A; L; EA 473. *M. lasiocalyx* Schumann; A; L; CL 1616. *Pachira aquatica* Aublet; A; L; EA 731. *Scleronema micranthum* (Ducke) Ducke; A; P; CL 1329. *S. praecox* Ducke; A; P; CL 1191.

**BORAGINACEAE:** Boraginaceae? sp. 1; SL; L; EA 1217. *Cordia nodosa* Lamarck; A; P; EA 1177. *C.* sp. 1; A; L; EA 232. *C.* sp. 2; A; P; CL 1515.

**BURSERACEAE:** Burseraceae sp. 1; A; L; EA 427. *Dacryodes chimatensis* Steyermark & Maguire; A; P; CL 901. *D. cuspidata* (Cuatrecasas) Daly; A; L; EA 653. *D. nitens* Cuatrecasas; A; P; CL 769. *D. sclerophylla* Cuatrecasas; A; P; EA 878. *D.* sp. nov. 1; A; P; CL 1166. *D.* sp. nov. 2; A; P; CL 735. *Protium* aff. *rubrum* Cuatrecasas; A; P; CL 1372. *P. altonii* Sandwith; A; P; CL 1302. *P. apiculatum* Swart; A; P; EA 880. *P. aracouchini* (Aublet) Marchand; A; P; CL 1486. *P.* cf. *polybotryum* (Turczaninow) Engler; A; P; CL 1218. *P. elegans* Engler; A; P; EA 1017. *P. gallosum* Daly, ined.; A; P; CL 1073. *P. hebetatum* Daly; A; P; CL-1666. *P. krukovii* Swart; A; L; EA 704. *P. nodulosum* Swart; A; L; P; CL 1544. *P. paniculatum* Engler ex C. Martius ssp. *paniculatum*; A; P; CL 1202. *P.* sp. 1; A; P; CL 139. *P.* sp. nov. aff. *P. gallosum* Daly, ined.; A; P; CL 1230. *P. subserratum* (Engler) Engler; A; P; CL 908. *P. urophyllum* Daly, ined.; A; P; CL 1700. *Trattinnickia glaziovii* Swart; A; P; CL 1116.

**CAESALPINIACEAE:** *Bauhinia guianensis* Aublet; SL; P; CL 1414. *B.* sp. 1; SL; P; CL 1516. *B.* sp. 2; SL; P; CL 1140. *Brownea latifolia* Jacq.;

A; L; CL 1554. Caesalpiniaceae sp. 1; A; P; CL 764. C. sp. 2; A; P; CL 1288. *Campsandra angustifolia* Spruce ex Bentham; A; L; EA 922. *Cynometra* cf. *marginata* Bentham; A; L; EA 412. *Heterostemon conjugatus* Bentham; A; L; EA 511. *Hymenaea oblongifolia* Huber; A; L; CL 1548. *Macrolobium acaciaefolium* (Bentham) Bentham; A; L; CL 1570; EA 1248. *Sclerolobium* sp. 1; A; P; CL 54. *Senna macrophylla* (Kunth) H. Irwin ssp. *gigantifolia* (Britton & Killip) H. Irwin & Barneby; A; L; EA 6; EA 675. *Tachigali* cf. *paniculata* Aublet; A; P; CL 1086. *T.* sp. 1; A; P; CL 768. *T.* sp. 2; A; P; CL 445. *T.* sp. 3; A; P; CL 918. *T.* sp. 4; A; P; EA 191. *T.* sp. 5; A; P; CL 1141. *T.* sp. 6; A; P; CL 817. *T.* sp. 7; A; P; CL 989. *Vatairea guianensis* Aublet; A; L; EA 716.

**CARYOCARACEAE:** *Anthodiscus* cf. *amazonicus* Gleason & A. C. Smith; A; P; EA 881. *Caryocar glabrum* (Aublet) Persoon; A; P; CL 822. *C. gracile* Wittm.; A; P; CL 975.

**CECROPIACEAE:** *Cecropia* cf. *membranacea* Trécul; A; P; EA 800. *C. discolor* Cuatrecasas; A; L; EA 422. *Coussapoa* aff. *martiana* Miquel; SZL; L; EA 94. *Pourouma* aff. *acuminata* C. Martius ex Miquel; A; P; CL 352. *P.* aff. *minor* Benoist; A; P; EA 1149. *P.* aff. *tomentosa* Miquel ssp. *tomentosa*; A; P; CL 1510. *P. cucura* Standley & Cuatrecasas; A; L; EA 724. *P. myrmecophila* Ducke; A; P; CL 832. *P.* sp. 1; A; P; EA 1165. *P.* sp. 2; A; P; CL 1455. *P.* sp. 3; A; L; EA 598.

**CELASTRACEAE:** Celastraceae sp. 1; T; P; CL 1026. *Cheiloclinium* sp. 1; SL; P; CL 1362. *Peritassa* sp. 1; SL; P; CL 1107.

**CHRYSOBALANACEAE:** Chrysobalanaceae sp. 1; A; P; EA 196. C. sp. 2; A; P; EA 827. *Couepia* cf. *guianensis* Aublet; A; P; CL 1010. *C. chrysocalyx* (Poeppig) Bentham & Hooker f.; A; P; EA 100. *C. krukovi* Standley.; A; P; CL 881. *C.* sp. 1; A; L; EA 72. *C.* sp. 2; A; P; CL 1321. *Hirtella* aff. *brachystachya* Spruce ex Hooker f.; A; P; EA 900. *H.* aff. *davisii* Sandwith; A; L; EA 392. *H.* aff. *hispidula* Miquel; A; L; EA 753. *H.* aff. *latifolia* Prance; A; L; EA 645. *H.* aff. *macrophylla* Bentham ex Hooker f.; A; L; EA 108. *H.* aff. *obidensis* Ducke; A; P; CL 409. *H.* aff. *pilosissima* C. Martius & Zuccarini; A; L; EA 740. *H.* aff. *shultesii* Prance; A; P; CL 442. *H.* aff. *ulei* Pilg.; A; P; CL 1421. *H. guianiae* Spruce & Hooker f.; A; L; CL 1618. *H. triandra* Swartz; T; P; CL 1027. *Licania* aff. *alba* (Bernoulli) Cuatrecasas; A; P; CL 1198. *L.* aff. *arachnoidea* Fanshawe & Maguire; A; L; EA 914. *L.* aff. *canescens* Benoist; A; P; CL

397. *L.* aff. *cruegeriana* Urb.; A; P; CL 175. *L.* aff. *hypoleuca* Bentham; A; P; CL 885. *L.* aff. *kunthiana* Hooker f.; A; P; CL 1412. *L.* aff. *leucosepala* Grisebach; A; P; EA 170. *L.* aff. *macrocarpa* Cuatrecasas; A; P; CL 1505. *L.* aff. *oblongifolia* Standley; A; L; EA 472. *L.* aff. *octandra* (Hoffmannsegg ex Roemer & Schultes) Kuntze; A; P; CL 1386. *L.* aff. *triandra* C. Martius & Hooker f.; A; L; EA 423. *L.* aff. *vaupesana* Killip & Cuatrecasas; A; L; EA 747. *L.* *apetala* (E. Meyer) Fritsch; A; P; CL 1261. *L.* cf. *harlingii* Prance; A; L; P; EA 357. *L.* *heteromorpha* Bentham; A; P; CL 1252. *L.* *reticulata* Prance; A; L; EA 446. *L.* sp. 2; A; P; CL 557. *L.* sp. 3; A; L; EA 647. *L.* sp. 4; A; L; EA 654. *L.* sp. 5; A; P; CL 522. *L.* sp. 6; A; P; CL 1149.

**CLUSIACEAE:** *Calophyllum?* sp. 1; A; P; EA 1032. *Caraipa* aff. *grandifolia* C. Martius; A; L; EA 112. *Clusia (Cruvopsis)* *alvarezii* Pipoly, sp. nov. ined.; SEL; L; EA 116. *C.* aff. *lineata* (Bentham) Planchon & Triana; SEL; L; EA 765. *C.* aff. *nigrolineata* P. F. Stevens; SEL; P; CL 974. *C. columnaris* Engler; SEL; P; CL 1125. *C. gandichandii* Choisy ex Planchon & Triana; SEL; P; EA 877. *C. grammadenioides* Pipoly, sp. nov. ined.; SEL; P; CL 1150. *C. myriandra* Planchon & Triana; SEL; P; CL 1046. *C. penduliflora* Engler; SEL; P; CL 1667. *C. viscida* Engler; SEL; P; CL 824. *Garcinia macrophylla* C. Martius; A; L; EA 347. *G.* sp. 1; A; L; EA 688. *G.* sp. 2; A; L; P; EA 755. *G. spruceana* (Engler) Hammel; A; L; EA 728. *Lorostemon* sp. 2; A; P; CL 952; CL 1670. *Moronobea?* *Platonia?*; A; P; CL 1303. *Quapoya longipes* (Ducke) Maguire; SL; P; CL 1090. *Q. peruviana* (Poeppig) Kuntze; SL; P; CL 835. *Rheedia acuminata* (R. & P.) Planchon & Triana; A; P; CL 1684. *Sympodia globulifera* L. f.; A; L; EA 89. *Tovomita* aff. *krukovi* Smith; A; L; EA 683. *T.* aff. *weddelliana* Triana & Planchon; A; P; CL 1448. *T.* cf. *brevistaminea* Engler; A; P; CL 188. *T. pyrifolia* Smith; A; L; EA 103. *T. schomburgkii* Planchon & Triana; A; P; CL 577. *T.* sp. 1; A; P; CL 829. *T.* sp. 2; A; P; CL 727. *T.* sp. 3; A; P; CL 447. *T.* sp. 4; A; L; P; CL 1451. *T. speciosa* Ducke; A; L; EA 506. *Tovomita?* sp. 5; A; P; CL 665. *Vismia angusta* Miquel; A; L; EA 633. *V.* sp. 1; A; L; EA 605. *V.* sp. 2; A; L; EA 927.

**COMBRETACEAE:** *Buchenavia amazonica* Al-Mayah & Stace; A; L; P; CL 1547. *B. parvifolia* Ducke; A; P; EA 841. *Terminalia* aff. *amazonica* (J. F. Gmelin) Exell; A; L; EA 635. *T.* aff. *brasiliensis* Eichler; A; P; CL

1304. *T. aff. dichotoma* G. Meyer; A; L; CL 1575. *T. aff. oblonga* (R. & P.) Steudel; A; P; EA 790. *T. sp. 2*; A; L; CL 1531.

**COMMELINACEAE:** Commelinaceae sp. 1; H; L; EA 1249.

*Dichorisandra ulei* J. F. Macbride; H; L; EA 101. *Floscopia peruviana* Hasskarl ex C. B. Clarke; H; L; EA 923.

**CONNARACEAE:** *Connarus* aff. *erianthus* Bentham ex Baker; A; P; CL 301. *C. aff. fasciculatus* (DC.) Planchon; A; P; CL 856. *C. sp. 1*; T; P; EA 848. *C. sp. 2*; T; L; EA 231. *Pseudoconnarus* cf. *rhynchosioides* (Standley) Prance; SL; P; CL 258. *P. macrophyllus* (Poeppig) Radlkofer; SL; P; CL 349. *Rourea* aff. *crysomalla*; SL; P; EA 1143. *R. aff. cuspidata* Bentham ex Baker; SL; L; EA 74. *R. cf. camptoneura* Radlkofer; SL; P; EA 1038. *R. sp. 1*; T; P; CL 598. *R. sp. 2*; A; P; CL 223. *R. sp. 3*; SL; L; EA 1229.

**CONVOLVULACEAE:** Convolvulaceae sp. 1; SL; P; EA 1036. *C. sp. 2*; SL; P; CL 551. Convolvulaceae? sp. 3; SL; L; P; EA 607. *C. sp. 4*; SL; L; EA 1235. *C. sp. 5*; SL; P; EA 1152. *Dicranostyles* aff. *longifolia* Ducke; SL; P; EA 1093. *D. sp. 1*; SL; P; CL 1189. *Evolvulus* sp. 1; SH; P; CL 200. *Maripa* cf. *peruviana* van Ooststroom; SL; P; CL 959. *M. sp. 1*; SL; P; EA 876. *M. sp. 2*; SL; P; CL 1334. *Maripa?* sp. 3; SL; P; CL 459.

**COSTACEAE:** *Costus scaber* R. & P.; H; L; CL 1561.

**CUCURBITACEAE:** *Cayaponia coriacea* Cogniaux; SH; L; EA 824. *C. oppositifolia* Harms; SH; L; P; EA 586. *Gurania eriantha* (Poeppig & Endlicher) Cogniaux; SH; L; CL 1597. *G. sp. 1*; SH; P; EA 1169. *G. spinulosa* (Poeppig & Endlicher) Cogniaux; SH; P; CL 1695. *Psiguria triphylla* (Miquel) C. Jeffrey; SH; L; EA 1207.

**CYATHEACEAE:** Cyatheaceae sp. 1; FA; L; EA 367. *Sphaeropteris macrosora* (Baker) Windisch; FA; P; CL 490.

**CYCLANTHACEAE:** *Asplundia* cf. *vaupesiana* Harling; SH; P; CL 695. *A. sp. 1*; SH; P; CL 105. Cyclanthaceae sp. 1; SH; P; CL 647. *C. sp. 2*; SH; L; EA 696. *Cyclanthus bipartitus* Poiteau; H; L; EA 556. *Thoracocarpus* aff. *bisectus* (Vell. Conc.) Harling; SH; L; EA 685.

**CYPERACEAE:** *Calyptrocarya?* *Scleria?*; H; L; EA 570.

**DENNSTAEDTIACEAE:** *Lindsaea* aff. *coarctata* Kramer; FH; P; CL 325. *L. lancea* (L.) Bedd.; FH; P; EA 1106.

**DICHAPETALACEAE:** *Tapura amazonica* Poeppig & Endlicher; A; L; EA 107. *T. cf. capitulifera* Spruce ex Baillon; A; L; EA 750. *T. peruviana* K. Krause; A; L; CL 1559.

**DILLENIACEAE:** *Doliocarpus* aff. *confertus* Rusby; SL; L, P; EA 663. *D. cf. multiflorus* Standley; SL; L; EA 921.

**DIPTEROCARPACEAE:** *Pseudomonotes tropenbosii* Londoño, Álvarez, Forero & Morton, género y sp. nov.; A; P; CL 1698.

**EBENACEAE:** *Diospyros* aff. *glomerata* Spruce; A; P; CL 954. *D. opacifolia* J. F. Macbride; A; L, P; EA 552. *D. peruviana* Hiern; A; L; EA 757. *D. sp. 1*; A; P; EA 1074.

**ELAEOCARPACEAE:** *Sloanea* aff. *floribunda* Spruce & Bentham; A; P; CL 1487. *S. aff. obtusa* (Spligt.) Schumann; A; P; CL 1254. *S. aff. robusta* Uittien; A; P; CL 722. *S. cf. brevipes* Bentham; A; P; CL 1364. *S. cf. fragans* Rusby; A; L; EA 529. *S. grandiflora* Smith; A; P; CL 116. *S. parviflora* Planchon ex Bentham; A; L; EA 749. *S. sp. 1*; A; P; CL 833. *S. sp. 2*; A; P; CL-1075; CL 1678. *S. sp. 3*; A; P; EA 162. *S. sp. 4*; A; P; CL 1392. *S. sp. 5*; A; P; CL 1172. *S. sp. 6*; A; L; EA 751. *S. sp. 7*; A; P; EA 1174. *S. yapacanae* Steyermark; A; P; CL 1357.

**ERICACEAE:** *Satyria panurensis* (Bentham ex Meissner) Bentham & Hooker f.; SEL; P; CL 900.

**ERYTHROXYLACEAE:** *Erythroxylon gracilipes* Peyritsch; T; L; CL 1564. *E. sp. 1*; A; P; CL 1145.

**EUPHORBIACEAE:** *Acalypha* aff. *mapirensis* Pax; A; L; EA 712. *Alchornea* aff. *discolor* Poeppig; A; P; CL 1343. *A. aff. glandulosa* Poeppig; A; L; EA 636. *A. sp. 1*; A; P; CL 1282. *Alchorneopsis* aff. *floribunda* (Bentham) Muell. Arg.; A; P; EA 1156. *Amanoa* cf. *guianensis* Aubl.; A; P; EA 128. *Conceveiba guianensis* Aublet; A; L; EA 413. *Croton monachinos* Baehni; A; L; EA 637. *Dalechampia* aff. *parvibracteata* Landj.; SL; L; EA 826. *Dodecastigma amazonicum* Ducke; A; L; CL 1551. *Drypetes amazonica* Ducke; A; L; EA 466. *Hevea* cf. *guianensis* Aublet; A; P; EA 842. *H. cf. pauciflora* (Spruce ex Bentham) Muell. Arg.; A; P; CL 713. *H. sp. 1*; A; P; CL 697. *H. sp. 2*; A; P; CL 1691. *Hieronima* aff. *alchorneoides* Allemão.; A; L; EA 385. *Mabea* aff. *macbridei* I. M. Johnston; A; L; EA 325. *M. aff. occidentalis* Bentham; A; P; CL 1694. *M. cf. caudata* Pax & Hoffmann; A; L, P; CL 1582. *Maprounea guianensis* Aublet; A; P; CL 1459. *Margaritaria nobilis* L. f.;

A; L; EA 687. *Omphalea diandra* L.; SL; L; EA 656. *Sapium marmieri* Huber; A; L; EA 505. *Senefeldera karsteniana* Pax. & Hoffm.; A; P; CL 1135.

**FABACEAE:** *Andira* sp. 1; A; L; EA 33. *Clathrotropis macrocarpa* Ducke; A; L; P; CL 1353. *Clathrotropis* sp. 1; A; L; EA 209. *Clitoria* sp. 1; SL; P; CL 1211. *C.* sp. 2; SL; L; EA 572. *Dalbergia* sp. 1; A; L; EA 597. *Dioclea* aff. *dictyoneura* Diels; SL; P; EA 1127. *D.* aff. *glabra* Bentham; SL; P; EA 1146. *Diplotropis martiusii* Bentham; A; P; EA 840. *D.* sp. 1; A; P; CL 1274. *Dipteryx* aff. *cordata* (Ducke) Cowan; A; P; CL 970. *D.* cf. *nudipes* Tul; A; L; EA 407. *D. polyphylla* Huber; A; P; CL 882. *D.* sp. 1; A; P; CL 1457. Fabaceae sp. 1; SL; L; EA 336. F. sp. 2; A; P; CL 1417. F. sp. 3; A; P; EA 1164. F. sp. 4; A; P; EA 163. F. sp. 5; A; L; EA 625. F. sp. 6; SL; P; EA 1170. F. sp. 7; A; L; EA 746. *Lonchocarpus* aff. *latifolius* H. B. K.; A; L; EA 22. *L.* aff. *pterocarpus* DC.; SL; L; EA 764. *L.* cf. *nicou* (Aublet) DC.; A; L; EA 345. *L.* sp. 1; A; L; EA 738. *Machaerium* aff. *arboreum* Bentham; A; L; EA 736. *M.* aff. *frondosus* C. Martius; SL; P; EA 1154. *M.* aff. *macrophyllum* Bentham; SL; P; CL-1521. *M.* aff. *madeirensis* Pittier; SL; P; EA 1142. *M.* aff. *paraense* Ducke; SL; L; EA 660. *M.* cf. *oblongifolium* Vog.; SL; L; EA 1209. *M. inundatum* (C. Martius ex Bentham) Ducke; SL; L; EA 97. *M. multifoliolatum* Ducke; SL; P; CL 1466. *M.* sp. 1; SL; P; CL 575. *M.* sp. 2; A; P; CL 1234. *M.* sp. 3; SL; L; EA 1245. *M.* sp. 4; SL; P; EA 1129. *M.* sp. 5; SL; L; EA 1227. *M.* sp. 6; SL; L; EA 727. *Mucuna* sp. 1; SL; L; EA 320. *Muellera* sp. 1; SL; P; CL 595. *Myrocarpus* aff. *frondosus* Fr. Allem.; SL; P; CL 1126. *Ormosia* aff. *coccinea* (Aublet) Jackson; A; L; EA 522. *O.* aff. *lehmanii*; A; P; CL 1393. *O. macrophylla* Bentham; A; P; CL 1355. *O.* sp. 1; A; L; EA 748. *Poecilanthe* sp. 1; SL; L; EA 361. *Pterocarpus* aff. *amazonum* (C. Martius ex Bentham) Amshoff; A; L; EA 658. *P.* aff. *draco* L.; A; L; EA 729. *P.* sp. 1; A; L; EA 648. *P.* sp. 2; A; P; EA 1024. *Swartzia* aff. *amplifolia* Harms; A; P; CL-1708. *S.* aff. *benthamiana* Miquel; A; P; CL 1493. *S.* aff. *brachyrachys* Harms; A; P; EA 861. *S.* aff. *cardiosperma* Spruce ex Bentham; A; L; P; EA 722. *S.* aff. *parvifolia* Schery; A; P; CL 1021. *S.* aff. *polyphylla* DC.; A; P; CL 1237. *S.* aff. *pycta* Bentham; A; P; CL 645. *S.* aff. *simplex* (Swartz) Sprengel; A; L; EA 351. *S. arborescens* (Aublet) Pittier; A; L; EA 487. *S.* cf. *racemosa* Bentham; A; L; EA 730. *S. laevicarpa* Amshoff; A; L; P; EA 707. *S. lamellata* Ducke; A; P; CL 1262.

*S. schomburgkii* Bentham; A; P; CL 811. *S. sp.* 1; A; L; EA 700. *S. sp.* 2; A; P; CL 163. *Taralea* aff. *opositifolia* Aublet; A; L; EA 628. *Zollernia?* sp. 1; A; L; EA 579.

**FLACOURTIACEAE:** *Carpotroche amazonica* C. Martius ex Eichler; A; P; CL 953; CL 1676. *Casearia* aff. *fasciculata* (R. & P.) Sleumer; A; L; EA 486. *C. aff. oblongifolia* Camb.; A; P; EA 179. *C. aff. suaveolens* (Poeppigg) Bentham; A; P; CL 1291. *C. cf. decandra* Jacquin; A; L; P; CL 1590. Flacourtiaceae sp. 1; A; L; EA 530. *Mayna* aff. *odorata* Aublet; T; L; CL 1568. *Ryania speciosa* M. Vahl.; A; L; EA 689.

**GENTIANACEAE:** *Tachia occidentalis* Maguire & Weaver; T; P; CL 1683.

**GESNERIACEAE:** *Kohleria* cf. *hirsuta* Regel; H; L; EA 912.

**HELICONIACEAE:** *Heliconia acuminata* A. Richard; H; L; EA 248. *H. lasiorachis* L. Andersson; H; L; EA 91. *H. shumanniana* Loesener; H; L; EA 602. *H. sp.* 1; H; L; EA 555. *H. stricta* Huber; H; L; CL 1585.

**HIPPOCRATEACEAE:** Hippocrateaceae sp. 1; T; P; CL 184. *H. sp.* 2; SL; P; CL 618. *H. sp.* 3; SL; L; EA 1204. *Salacia* aff. *macrantha* A. C. Smith; SL; L; EA 538. *S. cf. impressifolia* (Miers) A. C. Smith; A; L; EA 643. *S. gigantea* Loesener; SL; L; EA 96. *S. insignis* A. C. Smith; SL; L; EA 1223. *S. sp.* 2; SL; P; EA 1065. *Salacia?* sp. 1; SL; L; EA 752.

**HUMIRIACEAE:** *Humiria* aff. *balsaminifera* Aublet; A; P; CL 1472. Humiriaceae? sp. 1; A; P; CL 484. *Sacoglottis* aff. *amazonica* C. Martius; A; P; EA 157. *Sacoglottis?* *Schistostemon?*; A; P; EA 146. *Vantanea* cf. *peruviana* J. F. Macbride; A; P; EA 1182. *Vantanea* sp. 1; A; P; CL 542. *V. spicigeri* A. Gentry; A; P; CL 1133.

**HYMENOPHYLLACEAE:** *Trichomanes ankersii* Hook. & Grev; FSH; P; CL 642.

**ICACINACEAE:** *Calatola* sp. 1; A; L; CL 1543. *Casimirella* aff. *ampla* (Miers) R. Howard; SL; L; EA A536. *Citronella* sp. 1; SL; L; EA 818. *Dendrobangia boliviiana* Rusby; A; P; EA 854. *Discophora guianensis* Miers; A; P; EA 1008. Icacinaceae sp. 1; A; P; CL 394. *Leretia* cf. *cordata* Vell. Conc.; SL; L; EA 1234. *L. sp.* 1; SL; L; EA 212. *L. sp.* 2; SL; P; EA 1145.

**INDETERMINADOS:** Indeterminado sp. 01; A; P; CL 136. I. sp. 02; SL; L; EA 1206. I. sp. 03; A; P; CL 672. I. sp. 04; A; L; EA 237. I. sp. 05; SL; P; CL 239. I. sp. 06; SL; L; EA 763. I. sp. 07; SL; L; EA 1231. I. sp. 08;

A; P; EA 871. I. sp. 09; A; P; CL 663. I. sp. 10; A; P; CL 256. I. sp. 11; SL; P; CL 1253. I. sp. 12; SL; P; CL 863. I. sp. 13; A; P; CL 110. I. sp. 14; SL; P; EA-1161. Leguminosae sp. 1; SL; P; CL 1394. L. sp. 2; SL; P; CL 1333. Pteridophyta sp. 1; FH; P; EA 1052. P. sp. 2; FH; L; EA 547.

**LAURACEAE:** *Aniba* aff. *guianensis* Aublet; A; L; EA 920. *A. cf. hostmanniana* (Nees) Mez; A; P; CL 94. *A. cf. williamsii* O. Schmidt; A; P; CL 1475. *Aniba puchury minor* (C. Martius) Mez; A; P; EA 859. *A. sp. 1*; A; P; CL 20. *A. sp. 2*; A; P; CL 1080. *A. sp. 3*; A; P; CL 1659. *A. sp. 4*; A; P; CL 478. *Beilschmiedia* aff. *brasiliensis* (Kostermans) Kostermans; A; P; CL 941. *Caryodaphnopsis?* sp. 1; A; P; EA 906. *Endlicheria* cf. *verticilata* Mez; A; L; EA 13. *E. krukovi* (A. C. Smith) Kostermans; A; L; EA 482. *E. sericea* Nees; A; P; EA 830. *E. sp. 2*; A; P; CL 920. *E. sp. nov. 1*; A; P; CL 1495. *E. sprucei* (Meissner) Mez; A; P; EA 1150. *E. williamsii* O. Schmidt; A; L; EA 662. *Endlicheria?* *Ocotea?*; A; P; CL 944. Lauraceae sp. 1; A; L; EA 562. L. sp. 2; A; P; EA 851. L. sp. 3; A; L; EA 402. L. sp. 4; A; L; P; CL 1646. L. sp. 5; A; P; EA A1035. Lauraceae? sp. 6; A; P; CL 314. L. sp. 7; A; P; EA 1084. *Licaria guianensis* Aublet; A; P; CL 1032. L. sp. 1; A; P; CL 1350. *Mezilaurus itauba* (Meissner) Taubert ex Mez; A; P; CL 1092. *Nectandra* aff. *cuspidata* Nees; A; P; EA 1030. *N. aff. pisi* Miquel; A; L; CL 1571; EA 1243. *N. sp. 1*; A; L; EA 509. *N. sp. 2*; A; P; CL 146. *N. sp. 3*; A; L; EA 718. *N. sp. 4*; A; P; CL 406. *Ocotea aciphylla* (Nees) Mez; A; P; EA-853. *O. aff. cernua* (Nees) Mez; A; P; CL 1244. *O. aff. neblinae* Allen; A; P; CL 1281. *O. amazonica* (Meissner) Mez; A; L; P; CL 1213. *O. argyrophylla* Ducke; A; P; CL 1242. *O. cymbarum* H. B. K.; A; P; CL 814. *O. leucoxylon* (Swartz) de Lanessan; A; P; CL 1280. *O. sp. 01*; A; P; CL 1440. *O. sp. 02*; A; L; EA 283. *O. sp. 03*; A; P; CL 310. *O. sp. 04*; A; P; EA 193. *O. sp. 05*; A; P; CL 601. *O. sp. 06*; A; P; CL 1522. *O. sp. 07*; A; P; EA 866. *O. sp. 08*; A; P; CL 443. *O. sp. 09*; A; L; EA 461. *O. sp. 10*; A; L; P; EA 481. *O. sp. 11*; A; P; CL 1044; CL 1336. *O. sp. 12*; A; P; CL 1082. *O. sp. 13*; A; P; EA;855. *O. sp. 14*; A; P; CL 921. *O. sp. 15*; A; P; CL 1259. *O. sp. 16*; A; P; CL 545. *Ocotea?* *Endlicheria?*; A; P; CL 64. *Rhodostemonodaphne* sp. 1; A; P; CL 1300. *R. sp. 2*; A; L; P; EA 126. *R. sp. 4*; A; P; EA 198. *R. sp. 5*; A; P; EA 1082. *R. sp. 6*; A; P; CL 945.

**LECYTHIDACEAE:** *Cariniana decandra* Ducke; A; P; CL 1365. *Couratari guianensis* Aublet; A; L; EA A458. *Eschweilera bracteosa*

(Poeppig ex Berg) Miers; A; P; CL 841. *E. cf. alata* A. C. Smith; A; P; CL 581. *E. cf. albiflora* (A. DC.) Miers; A; L; CL 1649. *E. cf. andina* (Rusby) J. F. Macbride; A; L; P; EA 897. *E. cf. laevicarpa* S. Mori; A; P; CL 1709. *E. itayensis* Knuth; A; L; EA 477. *E. juruensis* Knuth; A; L; EA 1101. *E. punctata* S. Mori; A; P; CL 815. *E. sp. 2*; A; P; CL 977. *E. sp. nov. 1*; A; P; CL-1671. *E. tessmannii* Knuth; A; P; CL 996; CL-1269. *Grias* sp. 1; A; L; CL 1535. *Gustavia* aff. *augusta* L.; A; L; EA 592. *G. poeppigiana* Berg; A; L; EA 479.

**LINACEAE:** *Roucheria humiriifolia* Planchon; A; P; EA 1120. *R. punctata* (Ducke) Ducke; A; P; CL 1323.

**LOGANIACEAE:** *Potalia amara* Aublet; T; P; CL 805. *Strychnos* aff. *solerederi* Gilg; SL; P; CL 453. *S. cf. erichsonii* Schomburgk ex Progel; SL; L; EA 229. *S. medeola* Sagot. & Prog.; SL; P; CL 675. *S. sp. 1*; SL; L; CL 1577. *S. subcordata* Spruce ex Bentham; SL; P; EA 1167.

**LYTHRACEAE:** *Adenaria floribunda* H. B. K.; T; L; EA 119.

**MALPIGHIACEAE:** *Byrsonima arthopoda* Adr. Jussieu; A; L; CL 1529. *B. sp. 1*; A; P; CL 1436. *Diplopterys?* sp. 1; SL; P; CL 226. *Hiraea* sp. 1; SL; L; EA 329. *H. sp. 2*; SL; P; CL 554. Malpighiaceae sp. 1; A; P; CL 318. *M. sp. 2*; SL; P; CL 343. *M. sp. 3*; SL; P; EA 1160. *Mascagnia* aff. *macrodisca* (Triana & Planchon) Niedenzu; SL; L; EA 300. *M. cf. ovatifolia* (H. B. K.) Grisebach; SL; P; CL 1273. *Mascagnia?* sp. 1; SL; L; EA 37. *M. sp. 2*; SL; L; EA 1238. *Stigmaphyllon?* sp. 1; SL; L; P; CL 345.

**MARANTACEAE:** *Calathea lanata* Petersen; H; L; CL 1604; CL 1607. *C. sp. 1*; H; L; EA 611. *Ischnosiphon* cf. *arouma* (Aublet) Koernicke; SH; L; EA 247. *Maranta* sp. 1; H; P; CL 153. Marantaceae sp. 1; H; P; CL 573. *M. sp. 2*; H; P; EA A1095. *M. sp. 3*; H; P; EA 1105. *Monotagma* sp. 1; H; P; CL 362.

**MARCGRAVIACEAE:** *Marcgravia* sp. 1; SL; P; CL 662. *M. sp. 2*; SL; P; CL 197. *M. sp. 3*; SL; L; CL 1555. *M. sp. 4*; SL; L; EA 1104. *Norantea guianensis* Aublet; SL; P; CL 1043. *Souroubea* cf. *guianensis* Aublet; SL; P; CL 1397.

**MELASTOMATACEAE:** *Adelobotrys* cf. *spruceana* Cogniaux; SH; L; CL 1594. *Adelobotrys?* sp. 1; SH; P; CL 1338. *Clidemia bernardii* Wurdack; T; P; CL 781. *Graffenrieda patens* Triana; SL; P; CL 782; CL 844. *Graffenrieda?* sp. 1; SL; P; CL 580. *Leandra candelabrum* (J. F. Macbride) Wurdack; SH; P; CL 567. *L. glandulifera* (Triana) Cogniaux;

T; P; CL 791. *L. rhodopogon* (DC.) Cogniaux; T; P; CL 851. *Maieta* cf. *poeppigii* C. Martius ex Cogniaux; H; P; CL-845. Melastomataceae sp. 1; A; P; EA 1180. M. sp. 2; A; P; CL 450. M. sp. 3; SH; P; CL 653. *Miconia* aff. *aplostachya* (Bonpland) DC.; T; P; CL 574. *M. aff. centrodesma* Naudin; A; P; CL 385. *M. aff. minutiflora* (Bonpland) DC.; A; P; EA 1153. *M. affinis* DC.; T; L; EA 518. *M. biglandulosa* Gleason; A; P; CL 949. *M. carassana* Cogniaux; T; P; CL 372. *M. cf. longifolia* (Aublet) DC.; T; L; EA 98. *M. cf. splendens* (Swartz) Grisebach; A; P; CL 1220. *M. eleagnoides* Cogniaux; A; L; P; EA 395. *M. phanerostila* Pilger; A; P; CL 887. *M. poeppigii* Triana; A; P; EA 834. *M. serrulata* (DC.) Naudin; A; L; CL 1576. *M. sp. 1*; SH; P; CL 479. *M. sp. 2*; T; P; CL 635. *M. sp. 3*; A; P; CL 998. *M. sp. 4*; T; P; CL 481. *M. sp.* Sect. *Laceraria*; T; P; CL 795. *Miconia?* *Clidemia?*; SH; P; EA 1060. *Miconia?* sp. 2; A; P; EA 1123. *M. sp. 3*; T; L; EA 591. *Mouriri* aff. *myrtifolia* Spruce ex Triana; A; L; EA 735. *M. aff. nigra* (DC.) Morley; A; P; EA 894. *M. aff. vernicosa* Naudin; A; P; EA 59. *M. cauliflora* C. Martius ex DC.; A; P; CL 1363. *M. sp. 2*; A; L; EA 117. *M. sp. 4*; A; L; EA A541. *Myrmidone macrosperma* (C. Martius) C. Martius; T; P; CL-335; CL 690. *Tococa* sp. 1; T; P; CL 859. *T. sp. 2*; T; P; CL 668.

**MELIACEAE:** *Cedrela odorata* L.; A; L; EA 88. *Guarea* cf. *pubescens* (Richard) Adr. Jussieu.; A; P; EA 1057. *G. grandiflora* DC.; A; L; EA 81. *G. kunthiana* Adr. Jussieu; A; L; CL 1541. *G. macrophylla* M. Vahl; A; L; P; EA 105. *G. purusana* C. DC.; A; L; CL 1610. *G. sp. 1*; A; P; CL 770. *G. trunciflora* C. DC.; A; P; EA 784. *Trichilia* cf. *purusana* C. DC.; A; L; EA 332. *T. micrantha* Bentham; A; P; EA 1116. *T. quadrijuga* Kunth; A; L; EA 495. *T. sp. 1*; A; L; CL 1539. *T. sp. 2*; A; P; EA 137. *T. sp. 3*; A; L; EA 302. *T. sp. 4*; A; L; EA 28. *T. sp. 5*; A; L; EA 669.

**MENDONCIACEAE:** *Mendoncia* sp. 1; SL; P; CL 888.

**MENISPERMACEAE:** *Abuta grandifolia* (C. Martius) Sandwith; SL; P; CL 1409. *A. imene* (C. Martius) Eichler; SL; P; CL 1342. *A. obovata* Diels; SL; P; CL 1275. *A. pahni* (C. Martius) Krukoff & Barneby; SL; L; P; CL 1391. *Abuta?* sp. 1; SL; P; CL 167. *A. sp. 2*; SL; L; EA 575. *A. sp. 3*; SL; P; CL 1299. *A. sp. 4*; SL; P; CL 92. Menispermaceae sp. 1; SL; P; CL 1161. *Odontocarya* sp. Sect. *Somphoxylon*; SL; P; CL 837.

*Sciadotecnia* cf. *toxifera* Krukoff & A. C. Smith; SL; L; EA 77.

*Telitoxicum krukovi* Moldenke; SL; P; CL 725. *T.* sp. 1; SL; P; CL 546. *T.* sp. 2; SL; P; EA 1136.

**MIMOSACEAE:** *Abarema* sp. 1; A; P; CL 1361. *A.* sp. 2; A; P; EA 145. *Acacia* cf. *altiscandens* Ducke; SL; L; EA 536. *Inga* aff. *punctata* Willdenow; A; L; EA 439. *I.* aff. *ruizana* G. Don.; A; P; CL 1411. *I.* cf. *brachyrachis* Harms /cf. *capitata* Desvaux; A; P; CL 1420. *I.* cf. *cordatoalata* Ducke; A; L; CL 1574. *I.* cf. *gracifolia* Ducke; A; P; EA 1043. *I.* cf. *peltadenia* Harms; A; P; EA 802. *I.* cf. *pezizifera* Bentham; A; P; CL 1287. *I.* cf. *pruriensis* Poeppig; A; P; CL 930. *I.* sp. 01; A; P; EA 194. *I.* sp. 02; A; P; EA 1125. *I.* sp. 03; A; P; CL 1438. *I.* sp. 04; A; L; EA 381. *I.* sp. 05; A; L; CL 1639. *I.* sp. 06; A; P; EA 1086. *I.* sp. 07; A; L; EA 281. *I.* sp. 08; A; P; CL 193. *I.* sp. 09; A; L; EA 640. *I.* sp. 10; A; L; CL 1640. *I.* sp. 11; A; L; EA 397. *I.* sp. 12; A; L; EA 512. *I.* sp. 13; A; L; CL 1629. *I.* sp. 14; A; P; CL 1445. *I.* sp. 15; A; L; EA 457. *I. stipulacea* G. Don; A; L; EA 526. *Marmaroxylon racemosum* (Ducke) Killip; A; P; EA 1121. *Parkia* aff. *reticulata* Ducke; A; P; CL 1673. *P.* cf. *panurensis* Bentham; A; P; CL 604. *P. igneiflora* Ducke; A; P; EA 1133. *P. multijuga* Bentham; A; L; EA 383. *Pithecellobium auriculatum* Bentham; A; P; CL 1498. *P. claviflorum* Bentham; A; P; CL 842. *P.* sp. 1; A; P; EA 785. *P.* sp. nov. aff. *P. leucophyllum* Benth.; A; P; CL 1160. *Zygia inaequalis* (Humboldt & Bonpland ex Willdenow) Pittier; A; L; EA 627. *Z. latifolia* (L.) Fawcett & Rendle; A; L; EA 476.

**MONIMIACEAE:** *Mollinedia* sp. 1; A; L; EA 114. *M.* sp. 2; SL; P; CL 398; CL 777. *M.* sp. 3; T; L; EA 140. *Siparuna* aff. *guianensis* Aublet; A; P; CL 1427.

**MORACEAE:** *Brosimum* cf. *alicastrum* Swartz ssp. *bolivarens* (Pittier) C. C. Berg; A; L; EA 421. *B. guianense* (Aublet) Huber; A; L; EA 109. *B. lactescens* (S. Moore) C. C. Berg; A; L; EA 95. *B. parinarioides* Ducke ssp. *parinarioides*; A; P; CL 710. *B. rubescens* Taubert; A; P; CL 1251. *B.* sp. 1; A; P; CL 550. *B. utile* (H. B. K.) Pittier; A; P; CL 1088. *Clarisia* cf. *ilicifolia* (Spreng.) Lany & Ross.; A; L; EA 459. *Ficus* cf. *maxima* Miller; SZL; L; EA 430. *F.* cf. *pertusa* L. f.; SZL; L; EA 508. *F.* cf. *yoponensis* Desvaux; SZL; L; EA 462. *F.* sp. 1; A; L; EA 1246. *Helicostylis* cf. *pedunculata*; A; P; CL 594. *H. heterotricha* Ducke; A; P; CL 1186. *H. scabra* (J. F. Macbride) C. C. Berg; A; P; CL 1258. *H. tomentosa* (Poeppig & Endlicher) J. F. Macbride; A; P; EA 53. *Naucleopsis* cf. *caloneura*

(Huber) Ducke; A; L, P; EA 849. *N. cf. glabra* Spruce ex Pittier; A; L; EA 211. *Perebea* aff. *longepedunculata* C. C. Berg.; A; L, P; EA 339. *P. cf. xanthochyma* Karsten; A; L; EA 417. *Pseudolmedia* cf. *laevis* (R. & P.) J. F. Macbride; A; P; EA 404. *P. laevigata* Trécul; A; P; CL 1326. *Sorocea hirtella* Mildbraed; A; L, P; EA 120. *S. muriculata* Miquel; A; L, P; CL 1679.

**MYRISTICACEAE:** *Compsoneura capitellata* (A. DC.) Warburg; A; P; CL 909. *C. cf. ulei* Warburg; A; L, P; CL 947. *Iryanthera crassifolia* A. C. Smith; A; L; CL 1542. *I. elliptica* Ducke; A; P; CL 1069. *I. juruensis* Warburg; A; L, P; CL 1550. *I. paraensis* Huber; A; P; CL 1693. *I. sp. 1*; A; L; EA 1102. *I. tricornis* Ducke; A; P; CL 1229. *I. ulei* Warburg; A; P; CL 1537. *Osteophloeum platyspermum* (A. DC.) Warburg; A; P; CL 1042. *Virola* aff. *multinervia* Ducke; A; P; EA 125. *V. calophylla* Warburg; A; L, P; EA 668. *V. calophylloidea* Markgraf; A; P; CL 1194. *V. cf. obovata* Ducke; A; L; EA 354. *V. cf. surinamensis* (Rolander) Warburg; A; L; EA 661. *V. cuspidata* (Bentham) Warburg; A; L, P; CL 355. *V. duckei* A. C. Smith; A; L; EA 418. *V. elongata* (Benth.) Warb.; A; P; CL 1181. *V. loretensis* A. C. Smith; A; L; EA 642. *V. marlenei* W. Rodrigues; T; P; CL 800. *V. pavonis* (A. DC.) A. C. Smith; A; P; EA 102. *V. sp. 2*; A; P; CL 178. *V. sp. 3*; A; P; CL 206.

**MYRSINACEAE:** *Cybianthus amaralae* Pipoly, sp. nov. ined.; SL; P; CL 119. *C. gigantophyllus* Pipoly; A; P; CL 84. *C. guianensis* (A. DC.) Miquel ssp. *pseudoincacoreus*; A; P; CL 1680; EA 1119. *C. longifolius* Miquel; T; L; EA 684. *C. poeppigii* Mez; T; L; EA 230. *C. resinosus* Mez s.l.; A; L; EA 521. Myrsinaceae sp. 1; SL; P; CL 159. *Stylogyne lasseri* (Lundell) Pipoly; A; L; EA 580. *S. sp. 1*; A; L; EA 276.

**MYRTACEAE:** *Calyptranthes* aff. *bipennis* O. Berg.; A; L; EA 369. *C. aff. lanceolata* O. Berg.; A; L; EA 490. *C. aff. paniculata* R. & P.; A; L; CL 1627. *C. aff. speciosa* Sagot; A; L; EA 665. *Calyptranthes?* sp. 1; A; L; EA 334. *Eugenia* aff. *feijoi* O. Berg.; A; L; EA 73; EA 433. *E. cf. lambertiana* DC.; A; L, P; EA 520. *E. sp. 1*; A; L; EA 27. *Eugenia?* sp. 2; A; L; EA 761. *E. sp. 3*; A; L; EA 1232. *Marlierea* aff. *spruceana* O. Berg.; A; L; EA 679. *Myrcia* cf. *magna* Legraud; A; L; EA 432. *Myrcia?* sp. 2; A; L; EA 310. *M. sp. 3*; A; P; CL 1477. *M. sp. 6*; A; L; EA 271. Myrtaceae sp. 2; A; L; EA 213. *M. sp. 3*; A; P; EA 1014. *M. sp. 4*; A; P; CL 32. *M. sp. 5*; A; L; EA 909. *Psidium* sp. 1; T; L; EA 118.

**NYCTAGINACEAE:** *Guapira* sp. 1; A; L; EA 619. *G.* sp. 2; A; L; CL 1652. *G.* sp. 3; T; L; CL 1560. *G.* sp. 4; A; L, P; EA 85. *G.* sp. 5; A; P; EA 143. *G.* sp. 6; A; P; CL 489. *Neea* aff. *divaricata* Poeppig & Endlicher; A; L, P; CL 1520. *N.* aff. *floribunda* Poeppig & Endlicher; A; L; CL 1532. *N.* sp. 1; A; P; EA 152. *N.* sp. 2; A; P; CL 1196. *N.* sp. 3; A; P; EA 1054. *N.* sp. 4; A; P; EA 127. *N.* sp. 5; A; P; CL 1655. *N.* sp. 6; A; P; CL 87. *N.* *virens* Poeppig ex Heimerl; T; L; CL 1645.

**OCHNACEAE:** *Ouratea* aff. *polyantha* (Triana & Planchon) Engler; A; L; EA 711. *O.* aff. *weberbaueri* Sleumer; A; P; CL 1483. *O.* cf. *amplifolia* Sleumer; A; P; CL 351. *O.* cf. *pendula* Engler; A; L; EA 513.

**OLACACEAE:** *Dulacia macrophylla* (Bentham) O. Kuntze; A; P; EA 7. *Heisteria barbata* Cuatrecasas; A; P; CL 53. *H.* cf. *acuminata* (Humboldt & Bonpland) Engler; A; L; EA 299. *H.* cf. *densifrons* Engler; A; L; EA 463. *H. duckei* Sleumer; A; P; EA 904. *H. latifolia* Standley; A; L; EA 35. *H.* sp. 1; SL; P; EA 1161. *Minquartia guianensis* Aublet; A; L, P; EA 492.

**ORCHIDACEAE:** *Eleoanthus* sp. 1; H; P; CL 660.

**PASSIFLORACEAE:** *Dilkea acuminata* Masters; SL; L; EA 759. *D.* *parviflora* Killip; SL; P; CL 1176. *Passiflora quadriglandulosa* Rodschied; SL; L; EA 808. *P. spinosa* (Poeppig & Endlicher) Masters; SL; L; EA 618. *P. variolata* Poeppig & Endlicher; SL; P; CL 891.

**PIPERACEAE:** *Peperomia* sp. 1; SH; L; CL 1526. *Piper* cf. *javariense* Yuncker; T; L; EA 616. *P. cilindrum* Yuncker; T; P; CL 272. *P.* *curvistylum* C. DC.; T; P; EA 1055. *P. hispidum* Swartz s.l.; T; L; EA 567. *P. nigribaccum* C. DC.; T; P; CL 1443. *P. nigrispicum* C. DC.; SH; P; EA 1137. *P.* sp. 1; T; P; CL 387. *P.* sp. 2; T; P; EA 1091. *P. subfalcatum* Yuncker; T; P; CL 77.

**POACEAE:** *Pariana* cf. *stenolema* Tutin; H; L, P; CL 1557. *P.* sp. 1; H; P; CL 521. *Pharus latifolius* L.; H; L; EA 691.

**POLYGALACEAE:** *Moutabea* aff. *guianensis* Aubl.; SL; L, P; EA 664. *M.* sp. 1; SL; P; CL 1204. *Securidaca?* sp. 1; SL; L; EA 273.

**POLYGONACEAE:** *Coccoloba* cf. *mollis* Casaretto; A; L; EA 494. *C.* *lucidula* Bentham; SL; L; EA 1208. *C.* sp. 1; SL; L; EA 223. *C.* sp. 2; SL; L; EA 254. *Triplaris* cf. *pyramidalis* Jacquin; A; L; EA 289.

**POLYPODIACEAE:** *Campyloneurum repens* Aublet; FSH; L; EA 582.

**QUIINACEAE:** *Lacunaria* sp. 1; T; P; EA 1096. *Quiina leptoclada* Tulasne; A; P; CL 1398. *Q. longifolia* Spruce; A; P; EA 1090. *Q. macrophylla* Tulasne; A; L; EA 29.

**RANUNCULACEAE:** Ranunculaceae? sp. 1; SH; L; EA 816.

**RHAMNACEAE:** *Ampelozizyphus amazonicus* Ducke; SL; P; CL 1317. Rhamnaceae? sp. 1; A; P; CL 333. R. sp. 2; SL; L; EA 769.

**RHIZOPHORACEAE:** *Anisophyllea* sp. 1; A; P; CL 1012. *Sterigmapetalum* cf. *colombianum* Monachino; A; P; CL 1018; CL-1270. *S. cf. obovatum* Kuhlmann; A; P; EA 879.

**RUBIACEAE:** *Alibertia* cf. *hadrantha* Standley; A; L; EA 391. *A. cf. stenantha* Standley; A; L; EA 641. *A. hispida* Ducke; A; P; CL 1106. *A. latifolia* (Bentham) Schumann; T; L; CL 1609. *A. sp. 1*; A; L; EA 709. *Amaioua* sp. 1; A; P; CL 1053. *Bathysa* cf. *obovata* Schumann ex Standley; A; L; EA 24. *Borojoa* cf. *duckei* Steyermark; A; P; CL 966. *B. sorbilis* (Ducke) Cuatr.; A; L; EA 104. *Calycophyllum spruceanum* (Bentham) Hooker f. ex Schumann; A; P; CL A1. *Cephaelis* aff. *iodotricha* (Muell. Arg.) Standley; H; P; CL 797. *Chiococca* sp. 1; A; L; EA 908. *Chomelia* cf. *barbellata* Standley; SL; L; EA 507. *Coussarea brevicaulis* Krause; A; L; CL 1581. *C. flava* Poeppig; T; P; CL 956. *C. hirticalyx* Standley; A; L; EA 10. *C. macrophylla* Muell. Arg.; A; L; CL 1572. *C. paniculata* (M. Vahl) Standley; A; L; P; CL 1621. *C. sp. 1*; T; P; EA 133. *C. sp. 2*; T; L; EA 12. *Duroia hirsuta* (Poeppig) Schumann; A; L; P; CL 1602. *D. saccifera* (C. Martius ex Roemer & Schultes) Hooker f. ex Schumann; A; P; CL 1209. *D. sp. 1*; T; P; EA 1051. *Elaeagia* cf. *maguirei* Standl.; A; P; CL 620. *Elaeagia?* sp. 1; A; P; CL 1513. *Faramea* aff. *sessilifolia* (H. B. K.) DC.; A; L; CL 1614. *F. capillipes* Muell. Arg.; T; L; CL 1565; EA-90. *F. multiflora* A. Richard; A; L; CL 1562; EA-79. *F. sp. 1*; T; L; EA 362. *F. sp. 2*; T; P; EA 1048. *F. sp. 3*; A; L; EA 471. *Faramea?* sp. 4; T; L; CL 1624. *Ferdinandusa chlorantha* (Weddell) Standley; A; P; CL 1100. *Isertia rosea* Spruce ex Schumann; A; L; CL 1591. *Ixora* cf. *ulei* Krause; T; L; EA 577. *Ladenbergia amazonensis* Ducke; A; P; CL 890. *Pagamea* cf. *coriacea* Spruce & Bentham; A; P; CL 1306. *P. cf. macrophylla* Spruce & Bentham; A; P; EA 65. *P. sp. 1*; T; L; EA 809. *Palicourea corymbifera* (Muell. Arg.) Standley; T; P; CL 1025. *P. sp. 1*; T; P; CL 374. *Posoqueria* sp. 1; A; L; EA 384. *Psychotria borjensis* H. B. K.; T; L; CL 1617. *P. campyloneura* Muell. Arg.; T; L; CL

1635. *P. cf. poeppigiana* Muell. Arg.; T; L, P; CL 1524. *P. cf. prunifolia* (H. B. K.) Steyermark; T; L; EA 767. *P. loretensis* Standley; T; L; EA-614. *P. podocephala* (Muell. Arg.) Standley; T; P; CL 1685. *P. sp.* 1; SH; P; CL 659. *P. stenostachya* Standley; T; P; CL 337; CL 924. *Remijia amazonica* Schumann; T; P; CL 828. Rubiaceae sp. 1; A; P; EA 1009. R. sp. 2; T; L; EA 200. R. sp. 3; A; P; EA 1157. R. sp. 4; T; P; CL 736. *Rudgea cornifolia* (Roemer & Schultes) Standley; T; L; EA 612. *R. duidae* (Standley) Steyermarkk; T; P; CL 610; CL-946. *R. loretensis* Standley; T; L; EA 682. *R. sessiliflora* Standley; T; L; CL 1593. *R. sp.* 1; T; P; CL 180. *R. sp.* 2; T; P; CL 619. *Simira rubescens* (Bentham) Bremekamp ex Steyermark; A; L; EA 910. *Warszewiczia coccinea* (M. Vahl) Klotzsch; A; L; EA 390. *W. schwackei* Schumann; A; P; EA 901.

**RUTACEAE:** Rutaceae? sp. 1; A; L; EA 540. R. sp. 2; T; L; EA 315.  
**SAPINDACEAE:** *Cupania hispida* Radlkofer; A; P; EA 50. *C. sp.* 1; A; L; EA 485. *Enourea capreolata* Aublet; SL; L, P; EA 290. *Matayba cf. elegans* Radlkofer; A; L; EA 408. *M. purgans* (Poeppig) Radlkofer; A; P; EA 124. *Paullinia acutangula* (R. & P.) Persoon; SL; L; EA 915. *P. bracteosa* Radlkofer; SL; L; EA 285. *P. cf. caloptera* Radlkofer; SL; P; EA 1039. *P. cf. carpopoda* Lamb; SL; P; CL 115. *P. cf. ternata* Radlkofer; SL; L; EA 559. *P. ingifolia* Richard; SL; P; EA 1140. *P. microneura* Cuatrecasas; SL; L, P; EA 287. *P. rugosa* Bentham ex Radlkofer ssp. *rugosa*; SL; L; EA 813. *P. serjaniiifolia* Triana & Planchon; SL; L, P; EA 673. *Paullinia?* sp. 1; SL; P; EA 1070. *Talisia aff. grandifolia* Cuatrecasas; A; P; EA 1148. *T. cf. cerasina* (Bentham) Radlkofer; A; L, P; CL 702. *T. cf. clathrata* Radlkofer; A; L; EA 260. *T. eximia* Kramer; A; L; CL 1580. *T. guianensis* Aubl.; A; P; CL 1418. *T. sp.* 1; A; P; CL 1243.

**SAPOTACEAE:** *Chrysophyllum aff. manaosense* (Aubréville) Pennington; A; L; EA 469. *C. cf. superbum* Pennington; A; P; CL 999. *C. prieurii* A. DC.; A; P; CL 1152. *C. sanguinolentum* (Pierre) Baehni; A; P; CL 958. *Ecclinusa lanceolata* (C. Martius & Eichler) Pierre; A; L; EA 496. *Manilkara bidentata* (A. DC.) Chevalier; A; L; EA 733. *M. sp.* 2; A; P; CL 300. *Micropholis cf. cylindrocarpa* (Poeppig) Pierre; A; P; CL 407. *M. cf. egensis* (A. DC.) Pierre; A; L; EA 449. *M. cf. madeirensis* (Baehni) Aubréville; A; P; CL 1015. *M. cf. melinoniana* Pierre; A; P; EA 867. *M. guyanensis* (A. DC.) Pierre; A; P; CL 1175. *M. guyanensis* (A. DC.) Pierre ssp. *duckeana* (Baehni) Pennington; A; P; CL 923; CL 1060; CL 1283. *M.*

*venulosa* (C. Martius & & Eichler) Pierre; A; L; EA 629. *Pouteria* Sect.  
*Franchetella* sp. 1; A; P; CL 766. *P.* Sect. *Rivicoa* sp. 1; A; P; CL 1155. *P.*  
 aff. *laviegata* (C. Martius) Radlkofer; A; L; EA 666. *P.* aff. *ucuqui* Pires &  
 Schultes; A; L; P; EA 652. *P. baehniana* Monachino; A; L; EA 435. *P.*  
*campanulata* Baehni; A; P; EA 896. *P.* cf. *cladantha* Sandwith; A; L; EA  
 428. *P.* cf. *maguirei* (Aubréville) Pennington; A; P; CL-1668. *P.* cf.  
*multiflora* (A. DC.) Eyma; A; P; CL 726. *P.* cf. *oblanceolata* Pires; A; P;  
 CL 237. *P.* cf. *trilocularis* Cronquist; A; P; EA 1118. *P.* cf. *williamii*  
 (Aubréville & Pellegrin) Pennington; A; P; EA 864. *P. cuspidata* (A. DC.)  
 Baehni; A; L; P; EA 113. *P. guianensis* Aublet; A; P; EA 852. *P.* sp. 01;  
 A; L; EA 708. *P.* sp. 02; A; P; EA 122. *P.* sp. 03; A; P; EA 1007. *P.* sp.  
 04; A; P; CL 721. *P.* sp. 05; A; L; EA 15. *P.* sp. 06; A; P; EA 1111. *P.* sp.  
 07; A; P; EA 149. *P.* sp. 08; A; P; CL 509. *P.* sp. 09; A; P; CL 340. *P.* sp.  
 10; A; P; CL 173. *P.* sp. 11; A; P; CL 1480. *P.* sp. 12; A; P; CL 495. *P.* sp.  
 13; A; P; CL 1473. *P.* sp. 14; A; P; CL 916. *P.* sp. 15; A; P; EA 62. *P.* sp.  
 16; A; P; EA 835. *P.* sp. 17; A; P; EA 1113. *P.* sp. 19; A; P; EA 1147. *P.*  
 sp. 20; A; P; EA 847. *P.* sp. 21; A; L; EA 659. *P.* sp. 22; A; L; EA 401. *P.*  
 sp. 23; A; L; CL 1628. *P.* sp. 24; A; P; EA 1029. *P.* sp. 25; A; P; CL 1003.  
*P.* sp. 26; A; P; EA 183. *P.* sp. nov. 1; A; P; CL 1017. *P.* sp. nov. 2; A; P;  
 EA 862. *P. torta* (C. Martius) Radlkofer; A; L; P; CL 981; EA 386. *P.*  
*vernicosa* Pennington; A; P; CL 1335. *Pradosia cochlearia* (Lecom.)  
 Pennington ssp. *praealta* (Ducke) Pennington; A; P; CL 1272. Sapotaceae  
 sp. 1; A; L; EA 699. S. sp. 2; A; P; CL 584. S. sp. 3; A; P; EA 1035.  
**SIMAROUBACEAE:** *Picramnia* aff. *sellowii* Planchon ssp. *spruceana*  
 (Engler) Pirani; A; P; CL 1598. *P.* sp. 1; T; P; EA 1053. *P.* sp. 2; A; L; CL  
 1638. *P.* sp. 3; A; P; CL 5. *P.* sp. 4; A; P; CL 561. *P.* sp. nov. aff. *P.*  
*caracasana* Engler; A; L; EA 1228. *Simaba* aff. *polyphylla* (Cavalcante)  
 W. Thomas; A; P; CL 590. *S. guianensis* Aubl. ssp. *ecaudata* (Cronquist)  
 Cavalcante; A; P; CL 1293. *Simarouba amara* Aublet; A; L; P; CL 1071.  
**SMILACACEAE:** *Smilax aequatorialis* A. DC.; SH; L; EA 650. *S.* sp. 1;  
 SH; L; EA 1236. *S.* sp. 2; SH; L; EA 564. *S.* sp. 3; SH; P; CL 393. *S.* sp. 4;  
 SH; P; EA 1062.  
**SOLANACEAE:** *Cestrum?* sp. 1; T; P; CL 288. *Solanum* sp. 1; SH; L;  
 EA 371. *S.* sp. 2; SH; L; EA 693. *S.* sp. 3; SH; L; EA 1226. *Solanum?*  
*Lycianthes?*; SH; L; EA 250.

**STERCULIACEAE:** *Herrania* cf. *nitida* (Poeppig) R. Schultes; A; L; EA 1201. *Sterculia* aff. *apeibophylla* Ducke; A; L; CL 1613. *S.* aff. *parviflora* (Ducke) E. Taylor; A; L; EA 374. *S.* sp. 1; A; L; EA 475. *Theobroma cacao* L.; A; L; EA 284. *T. obovatum* Klotzsch ex Bernoulli; A; L; CL 1579. *T. subincanum* C. Martius; A; L; P; CL 830.

**STYRACACEAE:** *Styracaceae?* sp. 1; T; P; CL 130.

**THEOPHRASTACEAE:** *Clavija weberbaueri* Mez; T; L; CL 1592; EA 87.

**TILIACEAE:** *Apeiba aspera* Aublet s.l.; A; L; EA 92. *Luehea cymulosa* Spruce ex Benthams; A; L; EA 911. *Lueheopsis shultesii* Cuatrecasas; A; P; CL 1171. *Mollia lepidota* Spruce ex Benthams; A; L; EA 742.

**TRIGONIACEAE:** *Trigoniaceae?* sp. 1; SL; L; EA 358.

**URTICACEAE:** *Urticaceae?* sp. 1; SH; P; CL 589. U. sp. 2; SH; L; EA 820.

**VERBENACEAE:** *Vitex* cf. *klugii* Moldenke; A; L; EA 438.

**VIOLACEAE:** *Corynostylis arborea* (L.) S. F. Blake; SL; L; EA 811; EA 817. *Gloeospermum sphaerocarpum* Triana & Planchon; A; L; EA 916.

*Leonia cymosa* C. Martius; A; P; CL 1696. *Leonia glycycarpa* Ruiz López & Pavón; A; L; CL 1567. *Rinorea lindeniana* (Tulasne) Kuntze; A; L; EA 725. *R. neglecta* Sandwith; A; L; CL 1612. *R. racemosa* (C. Martius) Kuntze; A; P; CL 871.

**VITACEAE:** *Cissus erosa* Richard; SH; L; EA 288. *C. sicyoides* L.; SH; L; EA 819.

**VOCHysiACEAE:** *Erisma bicolor* Ducke; A; P; CL 1429. *E.* cf. *splendens* Stafleu; A; P; CL 1368. *E. laurifolium* Warming; A; P; CL 1692. *E.* sp. 1; A; P; CL 1476. *E.* sp. 3; A; P; CL 33. *E.* sp. 4; A; P; CL 1470. *Qualea* aff. *ignens* Warming; A; L; EA 713. *Q. paraensis* Ducke; A; P; CL 1159. *Q.* sp. 1; A; P; EA 1172. *Vochysia* aff. *lomatophylla* Standley; A; P; CL 756. *V.* aff. *punctata* Spruce ex Warming; A; P; EA 1018. *V. angustifolia* Ducke; A; P; CL 1697. *V.* cf. *floribunda* C. Martius; A; P; CL 512. *V.* cf. *pachyantha*; A; P; EA 1028. *V. venulosa* Warming; A; P; CL 1115.

**ZAMIACEAE:** 1164 *Zamia* sp. 1; H; P; CL 510.

### Appendix 3

Indice de valor de importancia (IVI en %) para vegetación con DBH  $\geq$  10 cm, en 1.8 ha en bosques de tierra firme y de várzea. Inventario inicial (1990). HCR: hábito de crecimiento: A: árboles; PAM: palmas arbóreas; SL: lianas; SZL: estranguladoras. NI: densidad relativa (%) del número de individuos. FR: frecuencia relativa (%). W: biomasa aérea seca relativa (%). Se muestran las especies en secuencia alfabética.

Tierra firme, inventario inicial (año 1990).

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Abarema adenophora (Ducke)						
Barneby & J.W.Grimes	A	2	0.133	0.143	0.039	0.105
Abarema EA-785	A	1	0.066	0.072	0.079	0.072
Abarema leucophylla (Spruce ex Benth.) Barneby & J.W.Grimes	A	9	0.598	0.645	0.462	0.568
Abuta CL-1161	SL	1	0.066	0.072	0.024	0.054
Aiouea CL-1336	A	12	0.798	0.717	0.527	0.681
Alchornea discolor Poepp.	A	3	0.199	0.215	0.307	0.241
Alchornea floribunda (Benth.) Muell. Arg.	A	1	0.066	0.072	0.074	0.071
Amaioua CL-1053	A	1	0.066	0.072	0.010	0.050
Aniba CL-1080	A	1	0.066	0.072	0.057	0.065
Aniba CL-1659	A	1	0.066	0.072	0.026	0.055
Aniba CL-2749	A	1	0.066	0.072	0.012	0.050
Aniba puchury-minor (Mart.) Mez	A	6	0.399	0.430	0.131	0.320
Aniba williamsii O. C. Schmidt	A	1	0.066	0.072	0.012	0.050
Annona excellens R. E. Fries	A	1	0.066	0.072	0.011	0.050
Anthodiscus obovatus Benth.	A	1	0.066	0.072	0.225	0.121
Aspidosperma CL-1001	A	1	0.066	0.072	0.012	0.050
Aspidosperma CL-1277	A	1	0.066	0.072	0.011	0.050
Aspidosperma desmanthum Benth. ex Müll.Arg.	A	1	0.066	0.072	0.010	0.049
Aspidosperma EA-180	A	2	0.133	0.143	0.263	0.180
Aspidosperma excelsum Benth.	A	11	0.731	0.789	4.465	1.995
Aspidosperma schultesii Woodson	A	11	0.731	0.789	0.977	0.832
Beilschmiedia aff. brasiliensis (Kortz.) Kortz.	A	2	0.133	0.143	0.069	0.115
Bignoniaceae NI-1493	SL	1	0.066	0.072	0.029	0.056
Bocageopsis canescens (Spruce ex	A	2	0.133	0.143	0.043	0.106

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Benth.) R. E. Fries						
Bocageopsis multiflora (Mart.) R.						
E. Fries	A	1	0.066	0.072	0.022	0.053
Brosimum longifolium Ducke	A	1	0.066	0.072	0.021	0.053
Brosimum rubescens Tauber	A	29	1.928	1.864	1.634	1.809
Brosimum utile (Kunth) Pittier	A	16	1.064	1.147	1.176	1.129
Buchenavia parvifolia Ducke	A	1	0.066	0.072	0.039	0.059
Caesalpiniaceae CL-1288	A	9	0.598	0.645	0.488	0.577
Cariniana decandra Ducke	A	11	0.731	0.789	1.750	1.090
Caryocar glabrum (Aubl.) Pers.	A	3	0.199	0.215	0.079	0.164
Caryocar gracile Wittm.	A	10	0.665	0.717	1.318	0.900
Caryodaphnopsis CL-2520	A	1	0.066	0.072	0.181	0.106
Caryodaphnopsis EA-906	A	1	0.066	0.072	0.035	0.058
Casearia oblongifolia Cambess.	A	1	0.066	0.072	0.016	0.052
Casearia singularis Eichler	A	1	0.066	0.072	0.035	0.058
Cecropia membranacea Trécul	A	1	0.066	0.072	0.011	0.050
Chrysobalanaceae EA-827	A	1	0.066	0.072	0.009	0.049
Chrysophyllum prieurii A. DC.	A	1	0.066	0.072	0.022	0.053
Chrysophyllum sanguinolentum (Pierre) Baehni	A	19	1.263	1.362	0.966	1.197
Chrysophyllum superbum						
T.D.Penn.	A	2	0.133	0.143	0.021	0.099
Clathrotropis macrocarpa Ducke	A	14	0.931	1.004	0.264	0.733
Compsoneura capitellata (A. DC.) Warb.	A	17	1.130	1.147	0.297	0.858
Conceveiba latifolia Benth.	A	1	0.066	0.072	0.014	0.051
Couepia bracteosa Benth.	A	1	0.066	0.072	0.115	0.084
Couepia chrysocalyx (Poepp. & Endl.) Benth. ex Hook. f.	A	2	0.133	0.143	0.072	0.116
Couepia CL-1321	A	7	0.465	0.502	0.652	0.540
Couepia CL-2750	A	1	0.066	0.072	0.133	0.090
Couepia guianensis Aubl.	A	1	0.066	0.072	0.010	0.049
Dacryodes chimatensis Steyermark. & Mag.	A	3	0.199	0.215	0.096	0.170
Dacryodes CL-1166	A	3	0.199	0.215	0.093	0.169
Dacryodes nitens Cuatrec.	A	4	0.266	0.287	0.112	0.222
Dacryodes sclerophylla Cuatrec.	A	4	0.266	0.287	0.068	0.207
Dendrobaenia boliviensis Rusby	A	2	0.133	0.143	0.108	0.128
Dendropanax tessmannii (Harms) Harms	A	4	0.266	0.287	0.066	0.206
Dicranostyles sericea Gleason	SL	1	0.066	0.072	0.030	0.056

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Diplotropis martiusii Benth.	A	20	1.330	1.219	0.953	1.167
Dipteryx cordata (Ducke) Cowan	A	5	0.332	0.358	0.163	0.285
Dipteryx polyphylla Huber	A	3	0.199	0.215	0.426	0.280
Drypetes CL-2707	A	1	0.066	0.072	0.009	0.049
Duroia saccifera (Mart.ex Roem. & Schult.) Hook.f. ex Schum.	A	3	0.199	0.215	0.038	0.151
Elaeoluma glabrescens (Mart. & Eichler) Aubrév.	A	1	0.066	0.072	0.010	0.049
Endlicheria sericea (Nees) Mez	A	10	0.665	0.717	0.217	0.533
Erisma bicolor Ducke	A	2	0.133	0.143	0.051	0.109
Erisma laurifolium Spruce ex Warm.	A	24	1.596	1.649	1.157	1.467
Erisma splendens Slafleu	A	20	1.330	1.434	2.770	1.844
Erythroxylon CL-1145	A	1	0.066	0.072	0.029	0.056
Eschweilera andina (Rusby)						
Macbride	A	1	0.066	0.072	0.012	0.050
Eschweilera bracteosa (Poepp. & Berg.) Miers	A	6	0.399	0.358	0.125	0.294
Eschweilera laevicarpa S. A. Mori	A	80	5.319	4.588	3.588	4.498
Eschweilera ovalifolia (DC.) Nied.	A	62	4.122	3.943	2.687	3.584
Eschweilera parvifolia Mart. ex DC.	A	58	3.856	3.799	1.781	3.145
Eschweilera punctata Mori	A	58	3.856	3.369	4.997	4.074
Eschweilera tessmannii R. Knuth	A	1	0.066	0.072	0.028	0.056
Euphorbiaceae NA-1265	A	1	0.066	0.072	0.010	0.049
Fabaceae CL-1121	A	1	0.066	0.072	0.011	0.050
Fabaceae EA-789	A	1	0.066	0.072	0.012	0.050
Ferdinandusa chlorantha (Wedd.) Standl.	A	1	0.066	0.072	0.011	0.050
Guarea trunciflora C. DC.	A	1	0.066	0.072	0.020	0.053
Guatteria foliosa Benth.	A	2	0.133	0.143	0.227	0.168
Guatteria puniculata R. E. Fries	A	3	0.199	0.215	0.116	0.177
Guatteriella tomentosa R. E. Fries	A	2	0.133	0.143	0.023	0.100
Heisteria duckei Sleumer	A	2	0.133	0.143	0.025	0.100
Helicostylis heterotricha Ducke	A	4	0.266	0.287	0.141	0.231
Helicostylis scabra (Macbr.) C. C. Berg	A	6	0.399	0.430	0.200	0.343
Hevea benthamiana Muell. Arg.	A	11	0.731	0.789	0.262	0.594
Hevea guianensis Aublet	A	4	0.266	0.287	0.102	0.218
Hevea pauciflora (Spruce ex Benth.) Muell. Arg.	A	22	1.463	1.434	0.559	1.152

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
<i>Hirtella brachystachya</i> Spruce & Hook f.	A	3	0.199	0.215	0.052	0.155
<i>Huberodendron swietenioides</i> (Gleason) Ducke	A	1	0.066	0.072	0.056	0.065
<i>Indet NA-1392</i>	A	1	0.066	0.072	0.013	0.050
<i>Indet NA-953</i>	A	1	0.066	0.072	0.426	0.188
<i>Inga brachyrhachis</i> Harms	A	1	0.066	0.072	0.026	0.055
<i>Inga EA-194</i>	A	2	0.133	0.143	0.045	0.107
<i>Inga gracilior</i> Sprague	A	1	0.066	0.072	0.027	0.055
<i>Inga pezizifera</i> Benth.	A	5	0.332	0.358	0.101	0.264
<i>Iryanthera elliptica</i> Ducke	A	5	0.332	0.358	0.190	0.294
<i>Iryanthera juruensis</i> Warb.	A	1	0.066	0.072	0.009	0.049
<i>Iryanthera polyneura</i> Ducke	A	1	0.066	0.072	0.014	0.051
<i>Iryanthera tricornis</i> Ducke	A	13	0.864	0.932	0.421	0.739
<i>Iryanthera ulei</i> Warb.	A	20	1.330	1.362	0.286	0.993
<i>Jacaranda macrocarpa</i> Bureau & K.Schum. ex K.Schum.	A	9	0.598	0.645	0.091	0.445
<i>Kotchubaea</i> CL-966	A	6	0.399	0.358	0.138	0.298
<i>Lacistema arborescens</i> (Muell. Arg.) Markgr.	A	2	0.133	0.143	0.038	0.105
<i>Lacistema</i> CL-1049	A	7	0.465	0.502	0.091	0.353
<i>Lacistema foxii</i> (Stapf) Markgraf	A	3	0.199	0.215	0.040	0.152
<i>Lacistema ramosissima</i> (Muell. Arg.) Markgr.	A	1	0.066	0.072	0.012	0.050
<i>Ladenbergia amazonensis</i> Ducke	A	1	0.066	0.072	0.196	0.112
<i>Lauraceae</i> EA-851	A	3	0.199	0.215	0.221	0.212
<i>Licania apetala</i> (E. Meyer) Fritschs	A	12	0.798	0.860	0.322	0.660
<i>Licania canescens</i> Benoist	A	1	0.066	0.072	0.012	0.050
<i>Licania</i> CL-1149	A	4	0.266	0.287	0.269	0.274
<i>Licania</i> CL-1198	A	9	0.598	0.645	0.753	0.665
<i>Licania</i> EA-872	A	1	0.066	0.072	0.010	0.049
<i>Licania heteromorpha</i> Benth.	A	5	0.332	0.358	0.245	0.312
<i>Licania hypoleuca</i> Benth.	A	1	0.066	0.072	0.042	0.060
<i>Licania kunthiana</i> Hook. f.	A	1	0.066	0.072	0.009	0.049
<i>Licania octandra</i> (Hoffmanns. ex Roem. & Schult.) Kuntze	A	1	0.066	0.072	0.010	0.050
<i>Licania reticulata</i> Prance	A	1	0.066	0.072	0.041	0.060
<i>Licaria</i> CL-1310	A	2	0.133	0.143	0.091	0.122
<i>Licaria guianensis</i> Aubl.	A	2	0.133	0.143	0.074	0.117
<i>Lueheopsis shultesii</i> Cuatr.	A	1	0.066	0.072	0.022	0.053
<i>Machaerium</i> CL-1234	A	1	0.066	0.072	0.012	0.050

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Macoubea guianensis Aubl.	A	2	0.133	0.143	0.021	0.099
Malouetia CL-1377	A	2	0.133	0.143	0.065	0.114
Matayba purgans Poepp. & Endlch.	A	1	0.066	0.072	0.090	0.076
Mezilaurus itauba (Meissn.) Taub. & Mez	A	4	0.266	0.287	0.574	0.376
Miconia chrysophylla (Rich.) Urb.	A	1	0.066	0.072	0.032	0.057
Miconia CL-2476	A	1	0.066	0.072	0.031	0.056
Miconia CL-2752	A	1	0.066	0.072	0.012	0.050
Miconia phaeophylla Triana	A	2	0.133	0.143	0.022	0.100
Miconia poeppigii Triana	A	1	0.066	0.072	0.023	0.054
Miconia pubipetala Miq.	A	8	0.532	0.573	0.198	0.434
Micropholis guyanensis (A. DC.) Pierre	A	11	0.731	0.789	0.335	0.618
Micropholis madeirensis (Baehni) Aubr.	A	1	0.066	0.072	0.017	0.052
Micropholis melinoniana Pierre	A	4	0.266	0.287	0.222	0.258
Minquartia guianensis Aublet	A	1	0.066	0.072	0.011	0.050
Monopteryx uaucu Spruce ex Benth.	A	43	2.859	2.007	10.333	5.066
Moronobea coccinea Aubl.	A	2	0.133	0.143	0.042	0.106
Mouriri nigra (DC.) Morley	A	1	0.066	0.072	0.014	0.051
Mouriri vernicosa Naudin	A	3	0.199	0.215	0.191	0.202
Naucleopsis caloneura (Hub.) Ducke	A	1	0.066	0.072	0.011	0.050
Nectandra cuspidata Nees & Mart.	A	1	0.066	0.072	0.028	0.055
Nectandra purpurea (Ruiz & Pav.) Mez	A	13	0.864	0.932	0.242	0.680
Neea CL-1196	A	1	0.066	0.072	0.023	0.054
Neea CL-1289	A	1	0.066	0.072	0.013	0.050
Neea CL-701	A	1	0.066	0.072	0.023	0.054
Neea divaricata Poepp. & Endl.	A	3	0.199	0.215	0.038	0.151
Neea macrophylla Poepp. ex Endl.	A	1	0.066	0.072	0.035	0.058
Ocotea aciphylla (Nees) Mez	A	16	1.064	1.004	0.429	0.832
Ocotea amazonica (Meissn.) Mez	A	3	0.199	0.215	0.279	0.231
Ocotea argyrophylla Ducke	A	1	0.066	0.072	0.013	0.050
Ocotea CL-1259	A	2	0.133	0.143	0.067	0.114
Ocotea CL-1356	A	1	0.066	0.072	0.032	0.057
Ocotea CL-1522	A	5	0.332	0.358	0.190	0.294
Ocotea CL-902	A	1	0.066	0.072	0.009	0.049
Ocotea cymbarum Kunth	A	8	0.532	0.573	0.395	0.500
Ocotea EA-193	A	1	0.066	0.072	0.018	0.052

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Ocotea floribunda (Sw.) Mez	A	1	0.066	0.072	0.009	0.049
Ocotea myriantha (Meisn.) Mez.	A	6	0.399	0.358	0.540	0.432
Oenocarpus bacaba Mart.	PAM	7	0.465	0.502	0.061	0.343
Oenocarpus bataua Mart.	PAM	24	1.596	1.434	0.271	1.100
Osteophloeum platyspermum (Spruce ex A.DC.) Warb.	A	6	0.399	0.430	0.286	0.372
Pagamea plicata Spruce ex Benth.	A	1	0.066	0.072	0.013	0.050
Parahancornia peruviana Monach.	A	1	0.066	0.072	0.016	0.051
Parkia panurensis Benth. & H.C.Hopkins	A	5	0.332	0.358	0.647	0.446
Parkia reticulata Ducke	A	1	0.066	0.072	0.109	0.082
Picramnia sellowii Planch.	A	2	0.133	0.143	0.292	0.190
Pourouma CL-1455	A	1	0.066	0.072	0.020	0.053
Pouteria arcuata T. D. Penn.	A	1	0.066	0.072	0.255	0.131
Pouteria campanulata Baehni	A	3	0.199	0.215	0.077	0.164
Pouteria CL-1003	A	1	0.066	0.072	0.017	0.052
Pouteria CL-1017	A	1	0.066	0.072	0.746	0.295
Pouteria CL-1070	A	1	0.066	0.072	0.010	0.049
Pouteria CL-1155	A	2	0.133	0.143	0.232	0.169
Pouteria CL-742	A	1	0.066	0.072	0.011	0.050
Pouteria EA-1111	A	1	0.066	0.072	0.012	0.050
Pouteria EA-183	A	2	0.133	0.143	0.034	0.104
Pouteria EA-835	A	2	0.133	0.143	0.029	0.102
Pouteria EA-847	A	7	0.465	0.502	0.183	0.383
Pouteria EA-862	A	6	0.399	0.430	0.377	0.402
Pouteria glauca T.D.Penn.	A	1	0.066	0.072	0.042	0.060
Pouteria guianensis Aubl.	A	6	0.399	0.430	0.487	0.439
Pouteria maguirei (Aubrév.) T.D.Penn.	A	11	0.731	0.717	0.218	0.556
Pouteria trilocularis Cronquist	A	4	0.266	0.287	0.053	0.202
Pouteria ucuqui Pires & Schultes	A	1	0.066	0.072	0.013	0.050
Pouteria vernicosa Pennington	A	4	0.266	0.287	0.314	0.289
Pouteria williamii (Aubrév. & Pelligr.) Penn.	A	26	1.729	1.649	0.467	1.281
Pradosia cochlearia (Lecom.) Penn. ssp. <i>praealta</i> (Ducke) Penn.	A	1	0.066	0.072	0.035	0.058
Protium altsonii Sandw.	A	2	0.133	0.143	0.046	0.107
Protium apiculatum Swart	A	4	0.266	0.287	0.182	0.245
Protium gallosum Daly	A	8	0.532	0.573	0.180	0.428
Protium hebetatum Daly	A	22	1.463	1.362	0.497	1.107
Protium paniculatum Engl.	A	23	1.529	1.577	0.551	1.219

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Protium polybotryum (Turcz.) Engl.	A	2	0.133	0.143	0.032	0.103
Protium rubrum Cuatrec.	A	11	0.731	0.645	0.889	0.755
Protium subserratum (Engl.) Engl.	A	1	0.066	0.072	0.146	0.095
Protium urophyllum Daly	A	1	0.066	0.072	0.015	0.051
Pseudolmedia laevigata Tréc.	A	13	0.864	0.932	0.285	0.694
Pseudolmedia laevis (R. & P.) Macbr.	A	1	0.066	0.072	0.010	0.049
Pseudomonotes tropenbosii Londoño et al.	A	66	4.388	3.943	16.992	8.441
Qualea EA-1172	A	2	0.133	0.143	0.634	0.304
Qualea paraensis Ducke	A	10	0.665	0.717	1.203	0.862
Remijia pedunculata (H.Karst.) Flueck.	A	5	0.332	0.358	0.099	0.263
Rhodostemonodaphne CL-1300	A	2	0.133	0.143	0.034	0.103
Rhodostemonodaphne EA-198	A	3	0.199	0.215	0.267	0.227
Roucheria columbiana Hallier f.	A	5	0.332	0.358	0.079	0.256
Roucheria humiriifolia (Planch.) Benth.	A	2	0.133	0.143	0.052	0.110
Saccoglottis CL-2454	A	1	0.066	0.072	0.102	0.080
Scleronema micranthum (Ducke) Ducke	A	30	1.995	2.151	2.665	2.270
Scleronema praecox Ducke	A	1	0.066	0.072	0.014	0.051
Senefeldera karsteniana Pax. & Hoffm.	A	12	0.798	0.717	0.144	0.553
Simaba guianensis Aubl.	A	3	0.199	0.215	0.054	0.156
Simarouba amara Aublet	A	1	0.066	0.072	0.190	0.109
Sloanea brevipes Benth.	A	5	0.332	0.287	0.071	0.230
Sloanea CL-1075	A	4	0.266	0.287	0.267	0.273
Sloanea CL-886	A	2	0.133	0.143	0.042	0.106
Sloanea NA-1256	A	1	0.066	0.072	0.224	0.121
Sloanea NA-1423	A	1	0.066	0.072	0.009	0.049
Sloanea NA-427	A	1	0.066	0.072	0.018	0.052
Sloanea NA-635	A	1	0.066	0.072	0.010	0.049
Sloanea obtusa (Splitg.) K. Schum.	A	3	0.199	0.215	0.197	0.204
Sloanea steyermarkii Earle Sm.	A	4	0.266	0.287	0.158	0.237
Sterigmapetalum colombianum Monachino	A	15	0.997	1.075	0.773	0.949
Sterigmapetalum obovatum Kuhlmann	A	16	1.064	1.075	0.766	0.968
Strychnos peckii B.L.Rob.	SL	1	0.066	0.072	0.029	0.056

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
<i>Swartzia brachyrachys</i> Harms	A	2	0.133	0.143	0.031	0.103
<i>Swartzia lamellata</i> Ducke	A	2	0.133	0.143	0.218	0.165
<i>Swartzia parvifolia</i> Schery	A	1	0.066	0.072	0.063	0.067
<i>Swartzia schomburgkii</i> Benth.	A	10	0.665	0.717	2.511	1.297
<i>Swartzia vaupesiana</i> R. S. Cowan	A	1	0.066	0.072	0.010	0.049
Tachigali CL-1141	A	11	0.731	0.645	0.883	0.753
Tachigali CL-2734	A	2	0.133	0.072	0.196	0.134
Tachigali CL-918	A	6	0.399	0.430	0.088	0.306
Tachigali paniculata Aubl.	A	6	0.399	0.430	0.688	0.506
<i>Talisia cerasina</i> (Benth.) Radlk.	A	2	0.133	0.143	0.064	0.114
<i>Terminalia brasiliensis</i> Eichl.	A	1	0.066	0.072	0.025	0.054
<i>Terminalia oblonga</i> (R. & P.)						
Steudel	A	1	0.066	0.072	0.009	0.049
Tovomita CL-829	A	4	0.266	0.287	0.170	0.241
<i>Trattinnickia glaziovii</i> Swart	A	1	0.066	0.072	0.040	0.059
<i>Trichilia micrantha</i> Bentham	A	1	0.066	0.072	0.020	0.053
Unonopsis CL-1399	A	1	0.066	0.072	0.017	0.052
Unonopsis guatterioides (A. DC.)						
R. E. Fries	A	1	0.066	0.072	0.041	0.060
<i>Vantanea peruviana</i> J.F.Macbr.	A	13	0.864	0.789	0.890	0.848
<i>Vantanea spichigeri</i> Gentry	A	5	0.332	0.358	0.298	0.330
<i>Virola calophylla</i> (Spruce) Warb.	A	3	0.199	0.215	0.032	0.149
<i>Virola elongata</i> (Benth.) Warb.	A	17	1.130	1.219	0.258	0.869
<i>Virola multinervia</i> Ducke	A	1	0.066	0.072	0.134	0.091
<i>Virola pavonis</i> (A. DC.) A. C. Smith	A	7	0.465	0.430	0.110	0.335
<i>Vochysia punctata</i> Spruce & Warm.	A	2	0.133	0.143	0.028	0.102
<i>Vochysia venulosa</i> Warm.	A	22	1.463	1.505	1.779	1.582
<i>Warszewiczia schwackei</i> K. Schum.	A	1	0.066	0.072	0.012	0.050
<i>Xylopia calophylla</i> R. E. Fries	A	1	0.066	0.072	0.041	0.060
<i>Xylopia multiflora</i> R. E. Fries	A	2	0.133	0.143	0.189	0.155
<i>Xylopia parvifolia</i> Diels	A	1	0.066	0.072	0.038	0.059
<i>Zygia claviflora</i> (Benth.) Barneby & J.W.Grimes	A	6	0.399	0.358	0.073	0.277
<i>Zygia racemosa</i> (Ducke) Barneby & J.W.Grimes	A	5	0.332	0.358	0.174	0.288
Total general		1504	100	100	100	100

Várzea. inventario inicial (año 1990).

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
<i>Alchornea latifolia</i> Sw.	A	2	0.166	0.095	0.076	0.112
<i>Alchornea schomburgkii</i> Klotzsch	A	6	0.497	0.571	0.252	0.440
<i>Alibertia EA-709</i>	A	2	0.166	0.190	0.282	0.213
<i>Alibertia hadrantha</i> Standl.	A	17	1.408	1.429	1.717	1.518
<i>Alibertia stenantha</i> Standl.	A	3	0.249	0.286	0.178	0.237
<i>Anaxagorea dolichocarpa</i> Spr. & Sandw.	A	1	0.083	0.095	0.014	0.064
<i>Andira EA-33</i>	A	3	0.249	0.286	0.857	0.464
<i>Annona dolichophylla</i> R. E. Fries	A	1	0.083	0.095	0.015	0.064
<i>Apeiba aspera</i> Aublet s.l.	A	11	0.911	0.952	2.413	1.426
<i>Árbol NA-268</i>	A	1	0.083	0.095	0.075	0.084
<i>Árbol NA-349-A</i>	A	1	0.083	0.095	0.050	0.076
<i>Árbol NA-394-A</i>	A	1	0.083	0.095	0.027	0.068
<i>Aspidosperma darienense</i> Woodson ex Dwyer	A	7	0.580	0.476	0.672	0.576
<i>Aspidosperma EA-447</i>	A	3	0.249	0.286	0.154	0.230
<i>Aspidosperma EA-83</i>	A	1	0.083	0.095	0.141	0.106
<i>Aspidosperma marcgravianum</i> Woods	A	1	0.083	0.095	0.108	0.095
<i>Astrocaryum aculeatum</i> Meyer	PAM	5	0.414	0.476	0.330	0.407
<i>Astrocaryum sciophilum</i> (Mique) Pulle	PAM	75	6.214	5.238	1.081	4.178
<i>Bauhinia guianensis</i> Aubl.	SL	1	0.083	0.095	0.168	0.115
<i>Bejuco NA-468</i>	SL	4	0.331	0.381	0.243	0.318
<i>Brosimum alicastrum</i> Swart	A	2	0.166	0.190	0.084	0.147
<i>Brosimum guianense</i> (Aubl.) Huber	A	6	0.497	0.571	0.398	0.489
<i>Brosimum lactescens</i> (S. Moore) C. C. Berg	A	1	0.083	0.095	0.046	0.075
<i>Brownia macrophylla</i> Linden ex Mast.	A	170	14.085	9.714	5.231	9.677
<i>Buchenavia amazonia</i> Alwan & Stace	A	1	0.083	0.095	0.024	0.067
<i>Burseraceae EA-427</i>	A	1	0.083	0.095	0.015	0.064
<i>Byrsonima SVE-24</i>	A	1	0.083	0.095	0.054	0.077
<i>Callichlamys latifolia</i> (L. Rich.) K. Schum.	SL	2	0.166	0.190	0.083	0.146
<i>Calyptanthes speciosa</i> Sagot	A	4	0.331	0.381	0.080	0.264
<i>Campsandra angustifolia</i> Spruce ex Benth.	A	19	1.574	0.667	5.072	2.438
<i>Cecropia ficifolia</i> Warb. ex Snethl.	A	3	0.249	0.286	0.170	0.235
<i>Cedrela odorata</i> L.	A	1	0.083	0.095	0.347	0.175
<i>Chrysophyllum manaosense</i> (Aub.) T.D. Pennington	A	3	0.249	0.286	0.218	0.251

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Compsoneura sprucei (A.DC.) Warb.	A	1	0.083	0.095	0.014	0.064
Conceveiba guianensis Aubl.	A	7	0.580	0.667	0.417	0.554
Couepia EA-72	A	6	0.497	0.571	0.865	0.644
Coussapoa villosa Poepp. & Endl.	SZL	1	0.083	0.095	0.019	0.066
Coussarea hirticalyx Standl.	A	1	0.083	0.095	0.024	0.067
Coussarea macrophylla Muell. Arg.	A	8	0.663	0.762	0.154	0.526
Coussarea paniculata (Vahl) Standl.	A	7	0.580	0.476	0.192	0.416
Croton bilocularis J. Murillo	A	1	0.083	0.095	0.139	0.106
Croton cuneatus Klotzch.	A	1	0.083	0.095	0.154	0.111
Cynometra marginata Benth.	A	11	0.911	0.952	1.127	0.997
Dacryodes cuspidata (Cuatrec.) Daly	A	1	0.083	0.095	0.038	0.072
Dendropanax EA-657	SZL	2	0.166	0.190	0.267	0.208
Diospyros peruviana Hiern.	A	3	0.249	0.286	0.095	0.210
Dipteryx nudipes Tul	A	1	0.083	0.095	0.104	0.094
Doliocarpus dentatus (Aublet) Standley	SL	2	0.166	0.190	0.190	0.182
Drypetes amazonica Ducke	A	7	0.580	0.667	0.180	0.476
Drypetes ampelocerifolia Grández & Vásquez	A	2	0.166	0.190	0.040	0.132
Duguetia odorata (Diels) Macbride	A	6	0.497	0.571	0.196	0.422
Duguetia spixiana Mart.	A	1	0.083	0.095	0.026	0.068
Endlicheria krukovi A. C. Smith	A	7	0.580	0.667	0.237	0.494
Endlicheria williamsii O. C. Schmidt	A	1	0.083	0.095	0.017	0.065
Eschweilera andina (Rusby) Macbride	A	29	2.403	2.667	4.245	3.105
Eschweilera bracteosa (Poepp. & Berg.) Miers	A	2	0.166	0.190	1.627	0.661
Eschweilera itayensis R. Knuth	A	12	0.994	1.048	3.727	1.923
Eugenia EA-433	A	17	1.408	1.524	0.746	1.226
Euterpe precatoria Mart.	PAM	37	3.065	2.667	0.508	2.080
Fabaceae EA-625	A	1	0.083	0.095	0.014	0.064
Faramea multiflora A. Rich.	A	1	0.083	0.095	0.024	0.068
Faramea parvibractea Steyermark	A	5	0.414	0.476	0.193	0.361
Ficus cf. maxima P. Miller	A	1	0.083	0.095	0.025	0.068
Ficus cf. yaponensis Dugand	SZL	1	0.083	0.095	0.026	0.068
Garcinia CL-915	A	1	0.083	0.095	0.014	0.064
Garcinia EA-688	A	8	0.663	0.762	0.469	0.631
Garcinia spruceana (Engler) Hammel	A	1	0.083	0.095	0.033	0.070
Guapira EA-456	A	1	0.083	0.095	0.020	0.066
Guarea grandiflora DC.	A	6	0.497	0.571	0.262	0.443
Guarea purusana C. DC.	A	10	0.829	0.952	0.848	0.876
Guatteria atra Sandw.	A	1	0.083	0.095	0.062	0.080

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
<i>Guatteria megalophylla</i> Diels	A	11	0.911	1.048	1.742	1.234
<i>Gustavia poeppigiana</i> Berg	A	1	0.083	0.095	0.018	0.065
<i>Heisteria cf. densifrons</i> Engl.	A	5	0.414	0.476	0.210	0.367
<i>Hirtella davisii</i> Sandw.	A	1	0.083	0.095	0.048	0.075
<i>Hirtella hispidula</i> Miq.	A	1	0.083	0.095	0.025	0.068
<i>Hirtella latifolia</i> Prance	A	1	0.083	0.095	0.018	0.065
<i>Hirtella pilosissima</i> Mart. & Zucc.	A	1	0.083	0.095	0.025	0.068
<i>Hyeronima alchorneoides</i> Allemão	A	28	2.320	2.571	6.431	3.774
<i>Hymenaea oblongifolia</i> Huber	A	1	0.083	0.095	0.031	0.070
Inga EA-381	A	1	0.083	0.095	0.055	0.078
Inga EA-397	A	31	2.568	2.286	2.599	2.484
Inga EA-439	A	3	0.249	0.286	0.058	0.197
Inga EA-457	A	1	0.083	0.095	0.024	0.067
Inga EA-640	A	8	0.663	0.762	0.905	0.776
<i>Inga fastuosa</i> (Jacq.) Willd.	A	2	0.166	0.190	0.047	0.134
<i>Iriartea deltoidea</i> R. & P.	PAM	2	0.166	0.190	0.138	0.165
<i>Iryanthera juruensis</i> Warb.	A	1	0.083	0.095	0.073	0.084
<i>Iryanthera ulei</i> Warb.	A	9	0.746	0.762	0.177	0.562
<i>Isertia rosea</i> Spruce & K. Schum.	A	1	0.083	0.095	0.016	0.065
<i>Klarobelia cauliflora</i> Chatrou	A	1	0.083	0.095	0.033	0.070
<i>Lacmellea gracilis</i> (Muell. Arg.)	A	2	0.166	0.190	0.050	0.136
Markgraf						
Lauraceae EA-402	A	1	0.083	0.095	0.037	0.072
<i>Leonia crassa</i> L. B. Sm. & A.	A	3	0.249	0.286	0.181	0.238
Fernández						
<i>Licania arachnoidea</i> Fanshaw &	A	10	0.829	0.857	0.587	0.758
Maguire						
<i>Licania EA-647</i>	A	4	0.331	0.381	0.228	0.314
<i>Licania EA-654</i>	A	1	0.083	0.095	0.022	0.067
<i>Licania oblongifolia</i> Standl.	A	3	0.249	0.286	0.105	0.213
<i>Licania reticulata</i> Prance	A	2	0.166	0.190	0.159	0.172
<i>Licania triandra</i> Mart. & Hook. f.	A	4	0.331	0.381	0.183	0.299
<i>Licania vaupesana</i> Killip. & Cuatr.	A	1	0.083	0.095	0.031	0.070
<i>Lonchocarpus EA-738</i>	A	1	0.083	0.095	0.069	0.082
<i>Lorostemon bombaciflorum</i> Ducke	A	1	0.083	0.095	0.036	0.071
<i>Mabea occidentalis</i> Benth.	A	1	0.083	0.095	0.018	0.065
<i>Machaerium arboreum</i> Benth.	A	2	0.166	0.190	0.106	0.154
<i>Machaerium EA-727</i>	SL	3	0.249	0.286	0.102	0.212
<i>Machaerium inundatum</i> (Mart.) Ducke	SL	1	0.083	0.095	0.065	0.081
<i>Machaerium paraense</i> Ducke	SL	1	0.083	0.095	0.069	0.082
<i>Macoubea sprucei</i> (Muell. Arg.)	A	7	0.580	0.381	0.244	0.402

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Markgr.						
Malouetia tamaquarina (Aubl.) A.DC.	A	4	0.331	0.381	0.177	0.296
Manilkara bidentata (A. DC.) Chev.	A	3	0.249	0.286	0.913	0.482
Margaritaria nobilis L. f.	A	13	1.077	1.238	0.657	0.991
Matayba elegans Radlk.	A	20	1.657	1.810	0.960	1.476
Matisia cf. bracteolosa Ducke	A	1	0.083	0.095	0.027	0.068
Miconia eleagnoides Cogn.	A	5	0.414	0.476	0.138	0.343
Micropholis egensis (A. DC.) Pierre	A	2	0.166	0.190	0.239	0.198
Micropholis venulosa (Mart. & Eichl.) Pierre	A	3	0.249	0.286	0.227	0.254
Minquartia guianensis Aublet	A	1	0.083	0.095	0.049	0.076
Mollia lepidota Spruce	A	1	0.083	0.095	0.199	0.126
Mouriri myrtifolia Spruce ex Triana	A	1	0.083	0.095	0.034	0.071
Myrcia cf. magna Legraud	A	8	0.663	0.762	0.162	0.529
Nectandra EA-452	A	2	0.166	0.190	0.243	0.200
Nectandra EA-718	A	1	0.083	0.095	0.019	0.066
Neea divaricata Poepp. & Endl.	A	13	1.077	1.238	2.563	1.626
Neea floribunda Poepp. & Endl.	A	2	0.166	0.190	0.052	0.136
Ocotea amazonica (Meissn.) Mez	A	5	0.414	0.381	0.123	0.306
Ocotea EA-461	A	6	0.497	0.571	0.142	0.404
Ocotea EA-481	A	2	0.166	0.190	0.055	0.137
Omphalea diandra L.	SL	1	0.083	0.095	0.065	0.081
Ormosia EA-748	A	1	0.083	0.095	0.019	0.066
Ouratea kananariensis Sastre	A	2	0.166	0.190	0.030	0.129
Oxandra polyantha R. E. Fries	A	1	0.083	0.095	0.027	0.069
Oxandra xylopioides Diels	A	9	0.746	0.857	0.923	0.842
Pachira insignis (Sw.) Sw. ex Savigny	A	23	1.906	2.095	2.619	2.207
Parkia multijuga Benth.	A	9	0.746	0.857	2.646	1.416
Perebea cf. xanthochyma Karsten	A	2	0.166	0.190	0.061	0.139
Picramnia sellowii Planch.	A	5	0.414	0.381	0.132	0.309
Posoqueria EA-384	A	13	1.077	1.238	0.286	0.867
Pourouma cucura Standley & Cuatr.	A	2	0.166	0.190	0.073	0.143
Pouteria baehniiana Monachino	A	25	2.071	2.095	0.771	1.646
Pouteria cladantha Sandw.	A	3	0.249	0.286	0.133	0.222
Pouteria EA-401	A	4	0.331	0.381	0.184	0.299
Pouteria EA-659	A	1	0.083	0.095	0.068	0.082
Pouteria EA-708	A	1	0.083	0.095	0.206	0.128
Pouteria laviegata (Mart.) Radlk.	A	1	0.083	0.095	0.055	0.078
Pouteria NA-80	A	1	0.083	0.095	0.034	0.071
Pouteria torta (Mart.) Radlk.	A	29	2.403	2.571	1.199	2.058

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
Pouteria ucuqui Pires & Schultes	A	1	0.083	0.095	0.077	0.085
Protium krukovii Swart	A	3	0.249	0.286	0.155	0.230
Protium nodulosum Swart	A	4	0.331	0.381	0.111	0.274
Pseudolmedia laevis (R. & P.) Macbr.	A	9	0.746	0.762	2.645	1.384
Pterocarpus amazonicus Huber	A	3	0.249	0.286	1.279	0.604
Pterocarpus draco L.	A	6	0.497	0.571	0.198	0.422
Pterocarpus EA-648	A	1	0.083	0.095	0.067	0.082
Qualea ingens Warm.	A	6	0.497	0.571	0.733	0.600
Richeria grandis Vahl	A	1	0.083	0.095	0.064	0.081
Rinorea lindeniana (Tulasne) O. Kuntze	A	2	0.166	0.190	0.091	0.149
Rollinia edulis Tr. & Pl.	A	1	0.083	0.095	0.056	0.078
Salacia EA-752	SL	1	0.083	0.095	0.036	0.071
Salacia impressifolia A. C. Smith	A	3	0.249	0.286	0.055	0.196
Sciadotecnia toxifera Kruk & Sm.	SL	1	0.083	0.095	0.041	0.073
Simarouba amara Aublet	A	4	0.331	0.381	1.165	0.626
Sloanea parviflora Planch. & Benth.	A	8	0.663	0.762	0.431	0.618
Sorocea hirtella Mildbr.	A	2	0.166	0.190	0.033	0.130
Spondias EA-756	A	1	0.083	0.095	0.107	0.095
Sterculia apeibophylla Ducke	A	13	1.077	1.238	4.779	2.365
Sterculia EA-476	A	6	0.497	0.476	0.365	0.446
Sterigmapetalum colombianum	A	6	0.497	0.571	0.148	0.406
Monachino						
Swartzia cardiosperma Spruce & Benth.	A	4	0.331	0.381	0.190	0.301
Swartzia laevicarpa Amsh.	A	2	0.166	0.190	0.048	0.135
Swartzia racemosa Benth.	A	17	1.408	1.429	1.991	1.610
Symphonia globulifera L. f.	A	1	0.083	0.095	3.126	1.101
Tapirira retusa Ducke	A	3	0.249	0.286	0.296	0.277
Tapura amazonica Poepp.	A	1	0.083	0.095	0.024	0.067
Tapura capitulifera Spruce ex Baill.	A	1	0.083	0.095	0.225	0.134
Taralea opositifolia Aubl.	A	1	0.083	0.095	0.042	0.073
Terminalia EA-635	A	5	0.414	0.476	1.674	0.855
Theobroma obovatum Klotzsch & Bernoulli	A	12	0.994	1.143	0.336	0.824
Theobroma subincanum Martius	A	4	0.331	0.286	0.279	0.299
Tovomita pyrifolia A. C. Smith	A	1	0.083	0.095	0.015	0.065
Trichilia EA-669	A	1	0.083	0.095	0.017	0.065
Triplaris americana L.	A	2	0.166	0.190	0.048	0.135
Vatairea guianensis Aubl.	A	11	0.911	1.048	1.795	1.251
Virola calophylla Warb.	A	19	1.574	1.524	1.897	1.665

ESPECIE	HCR	NI	NI%	FR%	W%	IVI%
<i>Virola duckei</i> A. C. Smith	A	2	0.166	0.190	0.135	0.164
<i>Virola loretensis</i> A. C. Smith	A	15	1.243	1.333	0.784	1.120
<i>Virola surinamensis</i> Warb.	A	1	0.083	0.095	0.523	0.234
<i>Vismia macrophylla</i> Kunth	A	8	0.663	0.667	0.541	0.623
<i>Vitex klugii</i> Moldenke	A	1	0.083	0.095	1.058	0.412
<i>Warszewiczia coccinea</i> (Vahl) Kl.	A	14	1.160	1.238	0.290	0.896
<i>Xylopia excellens</i> R. E. Fries	A	6	0.497	0.571	0.165	0.411
<i>Zygia inequalis</i> (Willd.) Pitt.	A	6	0.497	0.571	0.845	0.638
<i>Zygia latifolia</i> (L.) Fawc. & Rendle	A	32	2.651	2.762	1.535	2.316
Total general		1207	100	100	100	100

## Appendix 4

Indice de valor de importancia de familia (IVF%) (Mori et al. 1983), para parcelas permanentes de 1.8 ha y vegetación con DBH  $\geq$  10 cm, en bosques de tierra firme y de várzea en Peña Roja. NI: número de individuos. W%: dominancia relativa medida en biomasa aérea seca. S: número de especies. DI%: diversidad relativa (en %). Se muestra secuencia alfabética de familias (Mabberley 1990). Fabaceae sensu stricto, Moraceae aparte de Cecropiaceae.

Tierra firme, inventario inicial (año 1990).

FAMILIA	NI	NI%	W%	S	DI%	IVF%
ANNONACEAE	17	1.130	0.767	11	4.264	2.054
APOCYNACEAE	45	2.992	6.023	13	5.039	4.685
ARALIACEAE	4	0.266	0.066	1	0.388	0.240
ARECACEAE	31	2.061	0.332	2	0.775	1.056
BIGNONIACEAE	10	0.665	0.120	2	0.775	0.520
BOMBACACEAE	32	2.128	2.735	3	1.163	2.008
BURSERACEAE	89	5.918	2.947	14	5.426	4.763
CAESALPINIACEAE	32	2.128	2.147	4	1.550	1.942
CARYOCARACEAE	14	0.931	1.622	3	1.163	1.238
CECROPIACEAE	2	0.133	0.031	2	0.775	0.313
CHRYSOBALANACEAE	52	3.457	2.754	17	6.589	4.267
CLUSIACEAE	6	0.399	0.212	2	0.775	0.462
COMBRETACEAE	3	0.199	0.074	3	1.163	0.479
CONVOLVULACEAE	1	0.066	0.030	1	0.388	0.161
DIPTEROCARPACEAE	66	4.388	16.992	1	0.388	7.256
ELAEOCARPACEAE	22	1.463	0.997	9	3.488	1.983
ERYTHROXYLACEAE	1	0.066	0.029	1	0.388	0.161
EUPHORBIACEAE	56	3.723	1.480	9	3.488	2.897
FABACEAE	106	7.048	15.203	14	5.426	9.226
FLACOURTIACEAE	2	0.133	0.052	2	0.775	0.320
HUGONIACEAE	7	0.465	0.131	2	0.775	0.457
HUMIRIACEAE	19	1.263	1.291	3	1.163	1.239
ICACINACEAE	2	0.133	0.108	1	0.388	0.209
INDET	2	0.133	0.439	2	0.775	0.449
LAURACEAE	111	7.380	4.779	29	11.240	7.800
LECYTHIDACEAE	277	18.418	14.968	8	3.101	12.162
LOGANIACEAE	1	0.066	0.029	1	0.388	0.161
MELASTOMATACEAE	18	1.197	0.522	8	3.101	1.607

MELIACEAE	2	0.133	0.040	2	0.775	0.316
MENISPERMACEAE	1	0.066	0.024	1	0.388	0.159
MIMOSACEAE	38	2.527	1.781	11	4.264	2.857
MORACEAE	71	4.721	3.478	8	3.101	3.766
MYRISTICACEAE	91	6.051	2.038	11	4.264	4.118
NYCTAGINACEAE	7	0.465	0.132	5	1.938	0.845
OLACACEAE	3	0.199	0.036	2	0.775	0.337
RHIZOPHORACEAE	31	2.061	1.539	2	0.775	1.459
RUBIACEAE	19	1.263	0.518	8	3.101	1.627
SAPINDACEAE	3	0.199	0.154	2	0.775	0.376
SAPOTACEAE	121	8.045	5.203	27	10.465	7.904
SIMAROUBACEAE	6	0.399	0.537	3	1.163	0.699
TILIACEAE	1	0.066	0.022	1	0.388	0.159
VOCHysiaceae	82	5.452	7.622	7	2.713	5.263
Total general	1504	100	100	258	100	100

Várzea, inventario inicial (año 1990).

FAMILIA	NI	NI%	W%	S	DI%	IVF%
ANACARDIACEAE	4	0.331	0.403	2	1.031	0.588
ANNONACEAE	39	3.231	3.259	11	5.670	4.053
APOCYNACEAE	25	2.071	1.547	7	3.608	2.409
ARALIACEAE	2	0.166	0.267	1	0.515	0.316
ARECACEAE	119	9.859	2.057	4	2.062	4.659
BIGNONIACEAE	2	0.166	0.083	1	0.515	0.255
BOMBACACEAE	24	1.988	2.646	2	1.031	1.888
BURSERACEAE	9	0.746	0.319	4	2.062	1.042
CAESALPINIACEAE	213	17.647	13.424	6	3.093	11.388
CECROPIACEAE	6	0.497	0.262	4	2.062	0.940
CHRYSOBALANACEAE	35	2.900	2.297	12	6.186	3.794
CLUSIACEAE	21	1.740	4.234	7	3.608	3.194
COMBRETACEAE	6	0.497	1.698	2	1.031	1.075
DICHAPETALACEAE	2	0.166	0.249	2	1.031	0.482
DILLENIACEAE	2	0.166	0.190	1	0.515	0.290
EBENACEAE	3	0.249	0.095	1	0.515	0.286
ELAEOCARPACEAE	8	0.663	0.431	1	0.515	0.536
EUPHORBIACEAE	70	5.800	8.492	12	6.186	6.826
FABACEAE	48	3.977	5.219	16	8.247	5.815
HIPPOCRATEACEAE	4	0.331	0.091	2	1.031	0.484
INDET	7	0.580	0.394	4	2.062	1.012
LAURACEAE	25	2.071	0.873	8	4.124	2.356
LECYTHIDACEAE	44	3.645	9.617	4	2.062	5.108

MALPIGHIACEAE	1	0.083	0.054	1	0.515	0.217
MELASTOMATACEAE	6	0.497	0.172	2	1.031	0.567
MELIACEAE	18	1.491	1.474	4	2.062	1.676
MENISPERMACEAE	1	0.083	0.041	1	0.515	0.213
MIMOSACEAE	93	7.705	8.713	9	4.639	7.019
MORACEAE	24	1.988	3.317	8	4.124	3.143
MYRISTICACEAE	48	3.977	3.603	7	3.608	3.729
MYRTACEAE	29	2.403	0.987	3	1.546	1.645
NYCTAGINACEAE	16	1.326	2.635	3	1.546	1.836
OCHNACEAE	2	0.166	0.030	1	0.515	0.237
OLACACEAE	6	0.497	0.258	2	1.031	0.595
POLYGONACEAE	2	0.166	0.048	1	0.515	0.243
RHIZOPHORACEAE	6	0.497	0.148	1	0.515	0.387
RUBIACEAE	72	5.965	3.358	11	5.670	4.998
SAPINDACEAE	20	1.657	0.960	1	0.515	1.044
SAPOTACEAE	77	6.379	4.325	13	6.701	5.802
SIMAROUBACEAE	9	0.746	1.297	2	1.031	1.024
STERCULIACEAE	35	2.900	5.759	4	2.062	3.574
TILIACEAE	12	0.994	2.612	2	1.031	1.546
VERBENACEAE	1	0.083	1.058	1	0.515	0.552
VIOLACEAE	5	0.414	0.272	2	1.031	0.572
VOCHysiaceae	6	0.497	0.733	1	0.515	0.582
Total general	1207	100	100	194	100	100