



Supplement

The following supplementary materials are available for this article: Pocoyoy, M.P., Napaldet, J.T. 2024 Ecological Insights on Communal Forests in the Tropics: The Case of Alapang Communal Forest of La Trinidad, Benguet, Philippines. *Taiwania* 69(3): 321-335. doi: [10.6165/tai.2024.69.321](https://doi.org/10.6165/tai.2024.69.321)

Table S1. Plant Species in Alapang Communal Forest

Species Name	Family	Distribution Status	Conservation Status	
			DAO 2017-11	IUCN
<i>Abelmoschus manihot</i> (L.) Medik.	Malvaceae	Indigenous		Data Deficient
<i>Abrus precatorius</i> L.	Fabaceae	Endemic		
<i>Acer laurinum</i> Hassk.	Sapindaceae	Indigenous		Least Concern
<i>Adinandra elliptica</i> C.B.Rob.	Pentaphylacaceae	Endemic		Least Concern
<i>Ageratina adenophora</i> (Spreng.) R.M.King & H.Rob.	Asteraceae	Naturalized		
<i>Ageratina riparia</i> (Regel) R.M.King & H.Rob.	Asteraceae	Naturalized		
<i>Ageratum conyzoides</i> L.	Asteraceae	Naturalized		
<i>Aglaia lawii</i> (Wight) C.J.Saldanha	Zeliaceae	Indigenous		Least Concern
<i>Aglaia luzoniensis</i> (S.Vidal) Merr. & Rolfe	Meliaceae	Indigenous		Near Threatened
<i>Alnus japonica</i> (Thunb.) Steud.	Betulaceae	Exotic		Least Concern
<i>Alocasia micholitziana</i> Sander	Araceae	Endemic	Vulnerable	
<i>Alpinia flabellata</i> Ridl.	Zingiberaceae	Indigenous		
<i>Ampelopsis glandulosa</i> (Wall.) Momiy.	Vitaceae	Indigenous		
<i>Angiopteris evecta</i> (G.Forst.) Hoffm.	Marattiaceae	Endemic	Other Threatened Species	
<i>Antrophyum reticulatum</i> (G.Forst.) Kauf.	Pteridaceae	Indigenous		
<i>Aralia bipinnata</i> Blanco	Araliaceae	Endemic		
<i>Ardisia crenata</i> Sims	Primulaceae	Indigenous		
<i>Ardisia darlingii</i> Merr.	Primulaceae	Indigenous		Least Concern
<i>Artocarpus blancoi</i> (Elmer) Merr.	Moraceae	Endemic		
<i>Astronia cumingiana</i> S.Vidal	Melastomataceae	Endemic		Least Concern
<i>Bambusa vulgaris</i> Schrad. ex J.C.Wendl.	Poaceae	Naturalized		
<i>Begonia merrittii</i> Merr.	Begoniaceae	Endemic		
<i>Bidens pilosa</i> L.	Asteraceae	Naturalized		
<i>Blechnopsis orientalis</i> (L.) C.Presl	Aspleniaceae	Indigenous		
<i>Brachypterum scandens</i> (Roxb.) Wight & Arn. ex Miq.	Fabaceae	Indigenous		
<i>Breynia cernua</i> (Poir.) Müll.Arg.	Phyllanthaceae	Indigenous		Least Concern
<i>Breynia macrantha</i> (Hassk.) Chakrab. & N.P.Balakr.	Phyllanthaceae	Indigenous		Least Concern
<i>Bridelia glauca</i> Blume	Phyllanthaceae	Indigenous		Least Concern
<i>Bridelia insulana</i> Hance	Phyllanthaceae	Indigenous		Least Concern
<i>Bridelia micrantha</i> (Hochst.) Baill.	Phyllanthaceae	Indigenous		Least Concern
<i>Bridelia stipularis</i> (L.) Blume	Phyllanthaceae	Indigenous		Least Concern
<i>Calanthe furcata</i> Bateman ex Lindl.	Orchidaceae	Endemic		
<i>Calliandra calothyrsus</i> Meisn.	Fabaceae	Naturalized		
<i>Callicarpa bicolor</i> Juss.	Lamiaceae	Indigenous		Least Concern
<i>Calochlaena javanica</i> (Blume) M.D.Turner & R.A.White	Dicksoniaceae	Indigenous		
<i>Calophyllum blancoi</i> Planch. & Triana	Calophyllaceae	Indigenous		
<i>Calophyllum pentapetalum</i> (Blanco) Merr.	Calophyllaceae	Endemic		Near Threatened
<i>Carex myosurus</i> Nees	Cyperaceae	Indigenous		Least Concern
<i>Centella asiatica</i> (L.) Urb.	Apiaceae	Endemic		Least Concern
<i>Centratherum punctatum</i> Cass.	Asteraceae	Naturalized		
<i>Chamaecrista mimosoides</i> (L.) Greene	Fabaceae	Naturalized		Least Concern
<i>Chingia ferox</i> (Blume) Holttum	Aspleniaceae	Indigenous		
<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob.	Asteraceae	Naturalized		
<i>Cibotium cumingii</i> Kunze	Cibotiaceae	Indigenous	Endangered	
<i>Cleistanthus stipularis</i> (Müll.Arg.) Müll.Arg.	Phyllanthaceae	Indigenous		
<i>Clethra canescens</i> Reinw. ex Blume	Clethraceae	Indigenous		
<i>Cleyera japonica</i> Thunb.	Pentaphylacaceae	Indigenous		
<i>Coelogyne loheri</i> Rolfe	Orchidaceae	Endemic		
<i>Coffea arabica</i> L.	Rubiaceae	Naturalized		Endangered
<i>Commelina diffusa</i> Burm.f.	Commelinaceae	Endemic		Least Concern
<i>Commersonia bartramia</i> (L.) Merr.	Malvaceae	Indigenous		Least Concern
<i>Coniogramme macrophylla</i> (Blume) Hieron.	Pteridaceae	Indigenous		
<i>Crassocephalum crepidioides</i> (Benth.) S.Moore	Asteraceae	Naturalized		
<i>Cratoxylum sumatranum</i> (Jack) Blume	Hypericaceae	Endemic		Least Concern
<i>Crypteronia paniculata</i> Blume	Crypteroniaceae	Endemic		
<i>Curculigo capitulata</i> (Lour.) Kuntze	Hypoxidaceae	Indigenous		
<i>Cyrtococcum patens</i> (L.) A.Camus	Poaceae	Endemic		



			Other Threatened Species
<i>Davallia embolostegia</i> Copel.	Davalliaceae	Indigenous	
<i>Davallia repens</i> (L.f.) Kuhn	Davalliaceae	Indigenous	
<i>Deutzia pulchra</i> S.Vidal	Hydrangeaceae	Indigenous	
<i>Dichanthium annulatum</i> (Forssk.) Stapf	Poaceae	Naturalized	
<i>Dicksonia mollis</i> Holttum	Dicksoniaceae	Indigenous	Endangered
<i>Dicranopteris curranii</i> Copel.	Gleicheniaceae	Indigenous	
<i>Dicranopteris linearis</i> (Burm.f.) Underw.	Gleicheniaceae	Endemic	Least Concern
<i>Dipteris conjugata</i> Reinw.	Dipteridaceae	Indigenous	
<i>Discocalyx hymenandroides</i> Mez	Primulaceae	Endemic	Endangered
<i>Discocalyx insignis</i> Merr.	Primulaceae	Endemic	Vulnerable
<i>Drynaria speciosa</i> (Blume) Christenh.	Polypodiaceae	Indigenous	Vulnerable
<i>Dumasia villosa</i> DC.	Fabaceae	Indigenous	Least Concern
<i>Elatostema banaense</i> C.B.Rob.	Urticaceae Juss.	Endemic	
<i>Elatostema lutescens</i> C.B.Rob.	Urticaceae Juss.	Endemic	
<i>Elatostema luzonense</i> C.B.Rob.	Urticaceae Juss.	Endemic	
<i>Elephantopus tomentosus</i> L.	Asteraceae	Naturalized	
<i>Embelia philippinensis</i> A.DC.	Primulaceae	Indigenous	
<i>Emilia sonchifolia</i> (L.) DC.	Asteraceae	Endemic	
<i>Eurya chinensis</i> R.Br.	Pentaphragaceae	Endemic	
<i>Eurya coriacea</i> Merr.	Pentaphragaceae	Endemic	Near Threatened
<i>Ficus ampelas</i> Burm.f.	Moraceae	Indigenous	Least Concern
<i>Ficus benguetensis</i> Merr.	Moraceae	Indigenous	
<i>Ficus elastica</i> Roxb. ex Hornem.	Moraceae	Exotic	Least Concern
<i>Ficus linearifolia</i> Elmer	Moraceae	Endemic	Least Concern
<i>Ficus septica</i> Burm.f.	Moraceae	Indigenous	Least Concern
<i>Ficus ulmifolia</i> Lam.	Moraceae	Endemic	Vulnerable
<i>Ficus variegata</i> Blume	Moraceae	Indigenous	Least Concern
<i>Fimbristylis albiviridis</i> C.B.Clarke	Cyperaceae	Indigenous	Least Concern
<i>Freycinetia multiflora</i> Merr.	Pandanaceae	Endemic	
<i>Glochidion luzonense</i> Elmer	Phyllanthaceae	Indigenous	
<i>Glochidion robinsonii</i> Elmer	Phyllanthaceae	Endemic	
<i>Glochidion rubrum</i> Blume	Phyllanthaceae	Indigenous	Least Concern
<i>Glochidion stipulare</i> Airy Shaw	Phyllanthaceae	Indigenous	
<i>Gonostegia hirta</i> (Hassk.) Miq.	Urticaceae Juss.	Indigenous	
<i>Grewia multiflora</i> Juss.	Malvaceae	Indigenous	
<i>Guioa koelreuteria</i> (Blanco) Merr.	Sapindaceae	Indigenous	Least Concern
<i>Helicia robusta</i> (Roxb.) R.Br. ex Blume	Proteaceae	Indigenous	Least Concern
<i>Heptapleurum benguetense</i> (Merr.) Lowry & G.M.Plunkett	Araliaceae	Endemic	Endangered
<i>Homalanthus fastuosus</i> (Linden) Fern.-Vill.	Euphorbiaceae	Indigenous	
<i>Hydrocotyle benguetensis</i> Elmer	Araliaceae	Indigenous	
<i>Hymenasplenium excisum</i> (C.Presl) S.Linds.	Aspleniaceae	Indigenous	
<i>Imperata cylindrica</i> (L.) Rausch.	Poaceae	Indigenous	
<i>Justicia procumbens</i> L.	Acanthaceae	Endemic	
<i>Lagenophora stipitata</i> (Labill.) Druce	Asteraceae	Endemic	
<i>Lantana camara</i> L.	Verbenaceae	Naturalized	
<i>Leea manillensis</i> Walp.	Vitaceae	Indigenous	
<i>Lepidagathis secunda</i> Nees	Acanthaceae	Indigenous	
<i>Lithocarpus castellarnauianus</i> (Vidal) A.Camus	Fagaceae	Endemic	Near Threatened
<i>Lithocarpus solerianus</i> (Vidal) Rehder	Fagaceae	Endemic	Least Concern
<i>Lithocarpus vidalii</i> (Fern.-Vill.) Rehder	Fagaceae	Endemic	Near Threatened
<i>Macaranga cumingii</i> (Baill.) Müll.Arg.	Euphorbiaceae	Indigenous	Least Concern
<i>Maesa indica</i> (Roxb.) Sweet	Primulaceae	Endemic	Least Concern
<i>Mallotus mollissimus</i> (Geiseler) Airy Shaw	Euphorbiaceae	Indigenous	Least Concern
<i>Mangifera indica</i> L.	Anacardiaceae	Naturalized	Data Deficient
<i>Medinilla lagunae</i> S.Vidal	Melastomataceae	Endemic	Endangered
<i>Melastoma malabathricum</i> L.	Melastomataceae	Indigenous	
<i>Melicope semecarpifolia</i> (Merr.) T.G.Hartley	Rutaceae	Indigenous	
<i>Melicope triphylla</i> (Lam.) Merr.	Rutaceae	Indigenous	
<i>Meliosma pinnata</i> (Roxb.) Maxim.	Sabiaceae	Indigenous	
<i>Mikania cordata</i> (Burm.f.) B.L.Rob.	Asteraceae	Naturalized	
<i>Mikania micrantha</i> Kunth	Asteraceae	Naturalized	
<i>Mimosa pudica</i> L.	Fabaceae	Naturalized	Least Concern
<i>Miscanthus floridulus</i> (Labill.) Warb. ex K.Schum. & Lauterb.	Poaceae	Indigenous	
<i>Neolitsea konishii</i> (Hayata) Kaneh. & Sasaki	Lauraceae	Indigenous	Least Concern
<i>Neolitsea microphylla</i> Merr.	Lauraceae	Endemic	
<i>Neolitsea villosa</i> (Blume) Merr.	Lauraceae	Indigenous	Least Concern
<i>Oberonia benguetensis</i> Ames	Orchidaceae	Endemic	



<i>Oplismenus hirtellus</i> (L.) P.Beauv.	Poaceae	Indigenous	
<i>Osbeckia chinensis</i> L.	Melastomataceae	Indigenous	
<i>Ottochloa nodosa</i> (Kunth) Dandy	Poaceae	Indigenous	
<i>Paspalum conjugatum</i> P.J.Bergius	Poaceae	Naturalized	Least Concern
<i>Paspalum scrobiculatum</i> L.	Poaceae	Naturalized	Least Concern
<i>Persicaria chinensis</i> (L.) H.Gross	Polygonaceae	Indigenous	
<i>Pinus kesiya</i> Royle ex Gordon	Pinaceae	Indigenous	Least Concern
<i>Piper betle</i> L.	Piperaceae	Indigenous	
<i>Piper curtifolium</i> C.DC.	Piperaceae	Endemic	
<i>Piper quinqueangulatum</i> Miq.	Piperaceae	Indigenous	
<i>Pipturus arborescens</i> C.B.Rob.	Urticaceae Juss.	Indigenous	
<i>Pistacia chinensis</i> Bunge	Anacardiaceae	Indigenous	Least Concern
<i>Pittosporum pentandrum</i> (Blanco) Merr.	Pittosporaceae	Indigenous	
<i>Pneumatopteris nitidula</i> (C.Presl) Holttum	Aspleniaceae	Endemic	
<i>Poikilospermum suaveolens</i> (Blume) Merr.	Urticaceae Juss.	Indigenous	
<i>Praravinia sablanensis</i> (Elmer) Bremek.	Rubiaceae	Endemic	Vulnerable
<i>Premna trichostoma</i> Miq.	Lamiaceae	Indigenous	Least Concern
<i>Prunus arborea</i> (Blume) Kalkman	Rosaceae	Endemic	Least Concern
<i>Prunus fragrans</i> (Elmer) Kalkman	Rosaceae	Indigenous	Data Deficient
<i>Prunus rubiginosa</i> (Elmer) Kalkman	Rosaceae	Endemic	Near Threatened
<i>Psidium guajava</i> L.	Myrtaceae	Invasive/Naturalized	Least Concern
<i>Pteridium aquilinum</i> (L.) Kuhn	Dennstaedtiaceae	Indigenous	Least Concern
<i>Pteridium esculentum</i> (G.Forst.) Cockayne	Dennstaedtiaceae	Indigenous	
<i>Ptisana sylvatica</i> (Blume) Murdock	Marattiaceae	Indigenous	
<i>Rhaphidophora korthalsii</i> Schott	Araceae	Indigenous	
<i>Rhynchosyche discolor</i> (Maxim.) B.L.Burt	Gesneriaceae	Indigenous	Least Concern
<i>Rosa transmorrisonensis</i> Hayata	Rosaceae	Indigenous	Other Threatened Species
<i>Rubus benguetensis</i> Elmer	Rosaceae	Indigenous	
<i>Rubus luzoniensis</i> Merr.	Rosaceae	Endemic	
<i>Sarcandra glabra</i> (Thunb.) Nakai	Chloranthaceae	Indigenous	
<i>Saurauia bontocensis</i> Merr.	Actinidiaceae	Endemic	Vulnerable
<i>Schismatoglottis luzonensis</i> Engl.	Araceae	Endemic	
<i>Scleria tenella</i> Kunth	Cyperaceae	Indigenous	Least Concern
<i>Selaginella involvens</i> (Sw.) Spring	Selaginellaceae	Indigenous	
<i>Selliguea taeniata</i> (Sw.) Parris	Polypodiaceae	Indigenous	
<i>Setaria palmifolia</i> (J.Koenig) Stapf	Poaceae	Indigenous	
<i>Setaria parviflora</i> (Poir.) Kerguelen	Poaceae	Naturalized	Least Concern
<i>Shuteria involucrata</i> (Wall.) Wight & Arn. ex Walp.	Fabaceae	Indigenous	
<i>Smilax china</i> L.	Smilacaceae	Indigenous	
<i>Spathodea campanulata</i> P.Beauv.	Bignoniaceae	Naturalized	Least Concern
<i>Sphaeropteris glauca</i> (Blume) R.M.Tryon	Cyatheaceae	Indigenous	Least Concern
<i>Stephania corymbosa</i> (Blume) Walp.	Asteraceae	Indigenous	
<i>Sterculia rubiginosa</i> Zoll. ex Miq.	Malvaceae	Endemic	
<i>Strobilanthes cumingiana</i> (Nees) Y.F.Deng & J.R.I.Wood	Acanthaceae	Indigenous	
<i>Syzygium santosii</i> (Merr.) Merr.	Myrtaceae	Endemic	Endangered
<i>Tabernaemontana pandacaqui</i> Poir.	Apocynaceae	Indigenous	Least Concern
<i>Tetrastigma harmandii</i> Planch.	Vitaceae	Endemic	
<i>Tetrastigma loheri</i> Gagnep.	Vitaceae	Indigenous	
<i>Themeda triandra</i> Forssk.	Poaceae	Indigenous	
<i>Thysanolaena latifolia</i> (Roxb. ex Hornem.) Honda	Poaceae	Indigenous	
<i>Tinospora glabra</i> (Burm.f.) Merr.	Menispermaceae	Indigenous	
<i>Tithonia diversifolia</i> (Hemsl.) A.Gray	Asteraceae	Invasive/Naturalized	
<i>Trichosanthes quinqueangulata</i> A.Gray	Cucurbitaceae	Indigenous	
<i>Turpinia sphaerocarpa</i> Hassk.	Staphyleaceae	Indigenous	
<i>Urena lobata</i> L.	Malvaceae	Naturalized	Least Concern
<i>Vaccinium barandanum</i> S.Vidal	Ericaceae	Endemic	
<i>Vaccinium indutum</i> S.Vidal	Ericaceae	Endemic	
<i>Vanoverberghia sepulchrei</i> Merr.	Zingiberaceae	Endemic	Other Threatened Species
<i>Viburnum glaberrimum</i> Merr.	Viburnaceae	Endemic	
<i>Viburnum luzonicum</i> Rolfe	Viburnaceae	Indigenous	Least Concern
<i>Viburnum odoratissimum</i> Ker Gawl.	Viburnaceae	Indigenous	Least Concern
<i>Weinmannia luzoniensis</i> S.Vidal	Cunoniaceae	Endemic	Near Threatened
<i>Wendlandia luzoniensis</i> DC.	Rubiaceae	Indigenous	

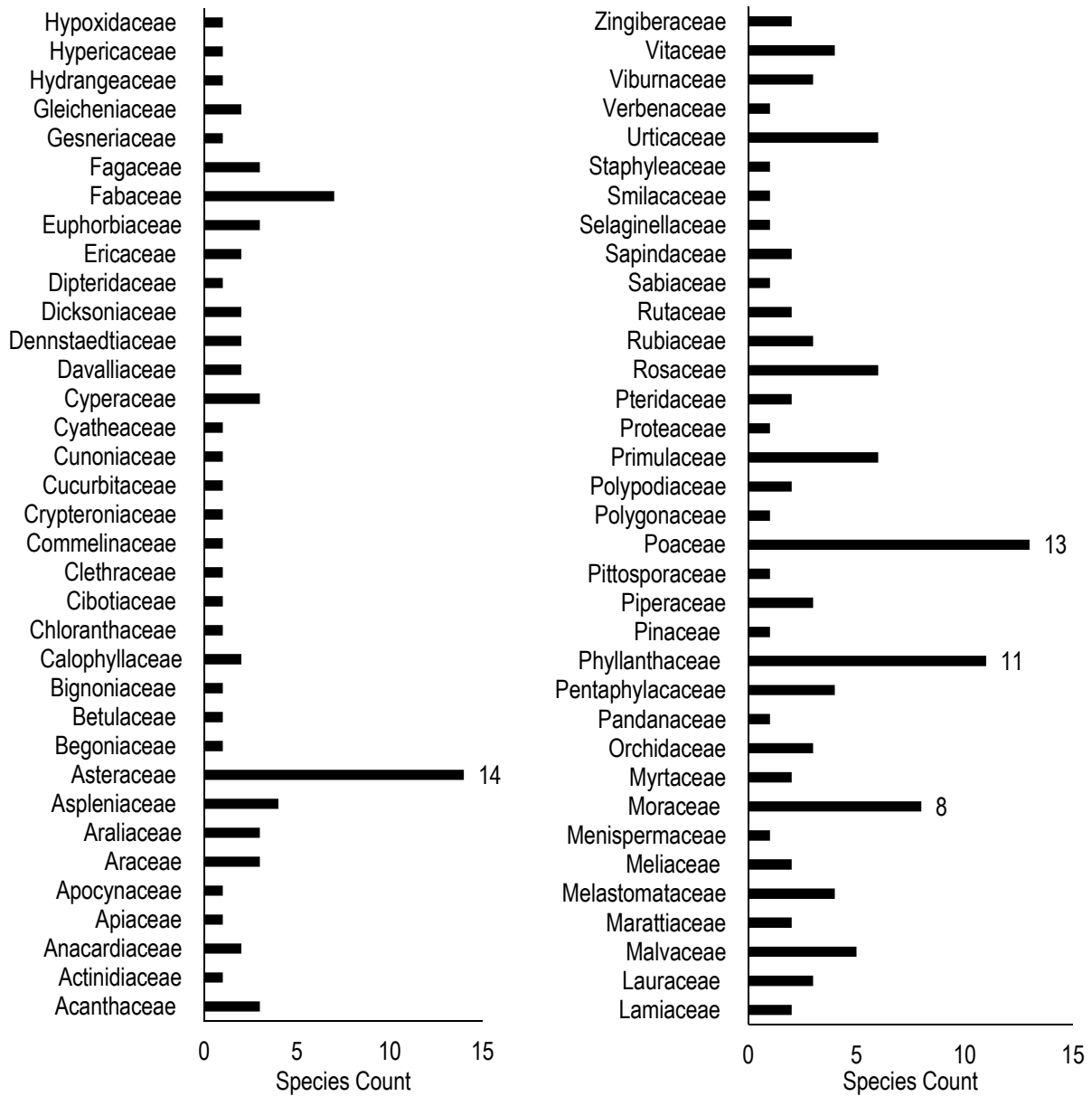


Fig. S1. Species distribution to the plant families.