

Supplementary Material for

Tomasko RE, Newman MP, Torrens-Martin AHI, Zhang AE, Holman VF, Apgaua DMG, Tng DYP. 2024. Vascular and non-vascular plant diversity of a Fan Palm (*Licuala ramsayi*) dominated swamp forest in Mission Beach, Queensland, Australia. *North Queensland Naturalist* 54: 79-93.

Table S1. Locations and canopy cover (%) of each point in the Point-Centred Quarter method vegetation survey of the *Licuala ramsayi* palm swamp forest in Mission Beach, Queensland, Australia. Coordinates of each point were recorded from GPS location using phone location. Canopy cover was estimated using the CanopyCapture app (Patel 2018).

Point #	South Coordinate (°S)	East Coordinate (°E)	Canopy Cover (%)
1	17.91173	146.06977	77
2	17.91191	146.06996	73
3	17.91135	146.06995	78
4	17.91119	146.07008	83
5	17.91102	146.07005	86
6	17.91109	146.06989	63
7	17.9111	146.07	89
8	17.91086	146.06994	80
9	17.91065	146.06978	75
10	17.91062	146.06974	78
11	17.91055	146.06966	84
12	17.91056	146.06945	84
13	17.91025	146.06964	82
14	17.91032	146.06939	74
15	17.90986	146.06904	84

16	17.91	146.068889	71
17	17.90998	146.06888	83
18	17.91	146.068889	78
19	17.90985	146.0686	85
20	17.91	146.068611	83
21	17.90973	146.06847	72
22	17.909722	146.068611	77
23	17.90955	146.06838	88
24	17.910278	146.068333	76
25	17.90953	146.06833	71
26	17.90953	146.06833	73
27	17.909167	146.068056	89
28	17.90727	146.06869	70
29	17.90721	146.06869	81
30	17.90699	146.06857	70
31	17.9079	146.06831	83
32	17.90796	146.06876	83
33	17.902222	146.068889	94
34	17.905	146.069167	82
35	17.906389	146.068333	88

Table S2. List of plant species found at the *Licuala ramsayi* palm swamp forest in the Licuala Day Use area in Mission Beach, Queensland, Australia.

Species are divided by phylogenetic group and family. Species that are exotic or introduced are noted with a *, wetland indicator species are noted with a #, and species that are of special least concern or a higher level of protection based on the Nature Conservation Act 1992 are in bold and their protection level is indicated if they are not listed as Special Least Concern species. For vascular plants, the endemcity statuses of species to Australia (AUS) in general, Queensland (QLD), northeast Queensland (NEQ) are indicated.

Phylogenetic Group	Family	Species	Lifeform	Endemcity status
Angiosperm-Basal	Annonaceae	<i>Uvaria leichhardtii</i>	Vine	
		<i>Uvaria uhrii</i>	Vine	
	Lauraceae	<i>Xylopia maccraeae</i>	Tree	QLD endemic
		<i>Beilschmiedia bancroftii</i>	Tree	NEQ endemic
		<i>Beilschmiedia tooram</i>	Tree	NEQ endemic
		<i>Cryptocarya grandis</i>	Tree	QLD endemic
		<i>Cryptocarya hypospodia</i>	Tree	
		<i>Cryptocarya lividula</i>	Tree	NEQ endemic
		<i>Cryptocarya mackinnoniana</i>	Tree	
		<i>Cryptocarya murrayi</i>	Tree	QLD endemic
		<i>Cryptocarya oblata</i>	Tree	NEQ endemic
		<i>Cryptocarya vulgaris</i>	Tree	QLD endemic
		<i>Endiandra cowleyana</i>	Tree	QLD endemic
		<i>Endiandra hypotephra</i>	Tree	QLD endemic
		<i>Endiandra monothrya subsp. monothrya</i>	Tree	NEQ endemic
		<i>Endiandra montana</i>	Tree	
		<i>Endiandra wolfei</i>	Tree	QLD endemic
		<i>Litsea bindoniana</i>	Tree	QLD endemic
		<i>Litsea leefeana</i>	Tree	QLD endemic
		<i>Neolitsea dealbata</i>	Tree	AUS endemic
Menispermaceae	<i>Hypserpa decumbens</i>	Vine	AUS endemic	
	<i>Hypserpa laurina</i>	Vine		
	<i>Parapachygone longifolia</i>	Vine	NEQ endemic	
Monimiaceae		<i>Austromatthaea elegans</i>	Tree	NEQ endemic

		<i>Hedycarya loxocarya</i>	Tree	NEQ endemic
		<i>Steghanthera laxiflora subsp. laxiflora</i>	Tree	QLD endemic
		<i>Wilkiea pubescens</i>	Shrub	QLD endemic
	Myristicaceae	<i>Myristica globosa subsp. muelleri</i>	Tree	
	Piperaceae	<i>Piper hederaceum var. hederaceum</i>	Vine	AUS endemic
Angiosperm-Eudicot	Acanthaceae	<i>Pseuderanthemum variabile</i>	Herb	
	Anacardiaceae	<i>Rhus taitensis</i>	Tree	
	Apiaceae	<i>Centella asiatica</i>	Herb	
		<i>Mackinlaya confusa</i>	Shrub	QLD endemic
	Apocynaceae	<i>Alstonia muelleriana</i>	Tree	
		<i>Alstonia scholaris</i>	Tree	
		<i>Ichnocarpus frutescens</i>	Vine	
		<i>Parsonsia longipetiolata</i>	Vine	AUS endemic
		<i>Tabernaemontana pandacaqui</i>	Shrub	
	Aquifoliaceae	<i>Ilex sp. Gadgarra (B.P.Hyland RFK 2011)</i>	Tree	NEQ endemic
	Araliaceae	<i>Polyscias australiana</i>	Tree	
		<i>Polyscias elegans</i>	Tree	
		<i>Schefflera actinophylla</i>	Tree	
	Asteraceae	<i>Ageratum conyzoides*</i>	Herb	
		<i>Cyanthillium cinereum</i>	Herb	
		<i>Emilia sonchifolia*</i>	Herb	
		<i>Synedrella nodiflora*</i>	Herb	
	Bignoniaceae	<i>Deplanchea tetraphylla</i>	Tree	
		<i>Neosepicaea jucunda</i>	Vine	NEQ endemic
		<i>Pandorea pandorana</i>	Vine	
	Clusiaceae	<i>Calophyllum australianum</i>	Tree	QLD endemic
	Connaraceae	<i>Connarus conchocarpus subsp. conchocarpus</i>	Vine	QLD endemic
	Convolvulaceae	<i>Decalobanthus peltatus</i>	Vine	
	Cunoniaceae	<i>Davidsonia pruriens</i>	Tree	NEQ endemic
	Dilleniaceae	<i>Hibbertia scandens</i>	Vine	
		<i>Tetracera daemeliana</i>	Vine	QLD endemic

	<i>Tetracera nordtiana</i>	Vine	
Ebenaceae	<i>Diospyros laurina</i>	Tree	
Elaeocarpaceae	<i>Elaeocarpus grandis</i>	Tree	
Euphorbiaceae	<i>Homalanthus novoguineensis</i>	Tree	
	<i>Macaranga involucrata</i> var. <i>mallotoides</i>	Tree	AUS endemic
	<i>Macaranga subdentata</i>	Tree	QLD endemic
	<i>Mallotus polyadenos</i>	Tree	
Fabaceae	<i>Acacia celsa</i>	Tree	QLD endemic
	<i>Acacia mangium</i>	Tree	
	<i>Castanospermum australe</i>	Tree	
	<i>Derris</i> sp. Daintree (D.E.Boyland 469)	Vine	NEQ endemic
	<i>Desmodium triflorum</i> *	Herb	
	<i>Mimosa pudica</i> *	Herb	
Icacinaceae	<i>Apodytes brachystylis</i>	Tree	QLD endemic
	<i>Citronella smythii</i>	Tree	QLD endemic
	<i>Gomphandra australiana</i>	Tree	QLD endemic
Lamiaceae	<i>Callicarpa longifolia</i>	Shrub	
	<i>Clerodendrum tracyanum</i>	Shrub	
	<i>Gmelina fasciculiflora</i>	Tree	QLD endemic
Lecythidaceae	<i>Barringtonia calyptrata</i>	Tree	
Linaceae	<i>Hugonia jenkinsii</i>	Vine	
Loranthaceae	<i>Amyema conspicua</i> subsp. <i>conspicua</i>	Epiphyte	
	<i>Amylothea dictyophleba</i>	Epiphyte	
	<i>Decaisnina congesta</i>	Epiphyte	
Lythraceae	<i>Cuphea carthagenensis</i> *	Herb	
Malvaceae	<i>Commersonia bartramia</i>	Tree	
	<i>Franciscodendron laurifolium</i>	Tree	NEQ endemic
	<i>Urena lobata</i> *	Shrub	
Melastomataceae	<i>Medinilla balls-headleyi</i>	Vine	QLD endemic
	<i>Melastoma malabathricum</i>	Shrub	
	<i>Tristemma mauritianum</i> *	Shrub	

Meliaceae	<i>Aglaia sapindina</i>	Tree	
	<i>Dysoxylum klanderi</i>	Tree	QLD endemic
	<i>Dysoxylum oppositifolium</i>	Tree	
	<i>Dysoxylum papuanum</i>	Tree	
Moraceae	<i>Ficus benjamina</i>	Tree	
	<i>Ficus congesta</i> var. <i>congesta</i>	Shrub	
	<i>Ficus destruens</i>	Tree	QLD endemic
	<i>Ficus leptoclada</i>	Tree	QLD endemic
	<i>Trophis scandens</i> subsp. <i>scandens</i>	Vine	
Myrtaceae	<i>Decaspermum humile</i>	Tree	AUS endemic
	<i>Gossia myrsinocarpa</i>	Tree	QLD endemic
	<i>Lophostemon suaveolens</i> #	Tree	
	<i>Melaleuca leucadendra</i> #	Tree	
	<i>Melaleuca viminalis</i> #	Tree	AUS endemic
	<i>Pilidiostigma tropicum</i>	Tree	NEQ endemic
	<i>Rhodamnia sessiliflora</i> (endangered)	Shrub	NEQ endemic
	<i>Syzygium alliiigneum</i>	Tree	NEQ endemic
	<i>Syzygium canicortex</i>	Tree	NEQ endemic
	<i>Syzygium cormiflorum</i>	Tree	QLD endemic
	<i>Syzygium hemilamprum</i> subsp. <i>hemilamprum</i>	Tree	
	<i>Syzygium kuranda</i>	Tree	NEQ endemic
	<i>Syzygium wilsonii</i> subsp. <i>wilsonii</i>	Shrub	NEQ endemic
Onagraceae	<i>Ludwigia octovalvis</i> #	Herb	
Passifloraceae	<i>Passiflora edulis</i> *	Vine	
Phyllanthaceae	<i>Antidesma erostre</i>	Tree	QLD endemic
	<i>Breynia stipitata</i>	Shrub	AUS endemic
	<i>Glochidion philippicum</i>	Tree	
	<i>Glochidion sumatranum</i>	Tree	
	<i>Phyllanthus tenellus</i> *	Herb	
Pittosporaceae	<i>Pittosporum rubiginosum</i>	Shrub	QLD endemic

Plantaginaceae	<i>Mecardonia procumbens*</i>	Herb	
Polygalaceae	<i>Polygala paniculata*</i>	Herb	
	<i>Xanthophyllum octandrum</i>	Tree	QLD endemic
Primulaceae	<i>Embelia caulialata</i>	Vine	
	<i>Maesa dependens</i>	Vine	QLD endemic
	<i>Myrsine porosa</i>	Shrub	AUS endemic
Proteaceae	<i>Cardwellia sublimis</i>	Tree	NEQ endemic
	<i>Carnarvonia araliifolia var. araliifolia</i>	Tree	NEQ endemic
	<i>Grevillea baileyana</i>	Tree	QLD endemic
	<i>Helicia nortoniana</i>	Shrub	NEQ endemic
Rhamnaceae	<i>Alphitonia petriei</i>	Tree	AUS endemic
	<i>Alphitonia whitei</i>	Tree	QLD endemic
Rhizophoraceae	<i>Carallia brachiata</i>	Tree	
Rosaceae	<i>Prunus turneriana</i>	Tree	
Rubiaceae	<i>Antirhea tenuiflora</i>	Tree	
	<i>Atractocarpus hirtus</i>	Shrub	NEQ endemic
	<i>Cyclophyllum multiflorum</i>	Tree	QLD endemic
	<i>Gynochthodes oresbia</i>	Vine	NEQ endemic
	<i>Hedyotis auricularia var. melanesica*</i>	Herb	
	<i>Lasianthus chlorocarpus</i>	Shrub	
	<i>Mitracarpus hirtus*</i>	Herb	
	<i>Nauclea orientalis#</i>	Tree	
	<i>Psychotria coelospermum</i>	Vine	AUS endemic (?)
	<i>Psychotria sp. Utchee Creek</i>	Shrub	QLD endemic
	<i>Tarenna dallachiana subsp. dallachiana</i>	Tree	
Rutaceae	<i>Acronychia acronychioides</i>	Tree	QLD endemic
	<i>Acronychia vestita</i>	Tree	NEQ endemic
	<i>Brombya platynema</i>	Tree	NEQ endemic
	<i>Flindersia bourjotiana</i>	Tree	NEQ endemic
	<i>Flindersia pimenteliana</i>	Tree	
	<i>Melicope bonwickii</i>	Tree	

Angiosperm-Monocot	Sapindaceae	<i>Melicope elleryana</i>	Tree		
		<i>Cnesmocarpon dasyantha</i>	Tree		
		<i>Guioa lasioneura</i>	Tree	QLD endemic	
		<i>Harpullia frutescens</i>	Shrub	NEQ endemic	
		<i>Mischocarpus exangulatus</i>	Tree	QLD endemic	
		<i>Mischocarpus lachnocarpus</i>	Tree		
		<i>Sarcopteryx martyana</i>	Tree	QLD endemic	
		<i>Synima cordierorum</i>	Tree		
		<i>Toechima erythrocarpum</i>	Tree		
	Sapotaceae	<i>Planchonella chartacea</i>	Tree		
		<i>Pleioluma brownlessiana</i>	Tree	NEQ endemic	
	Schrophulariaceae	<i>Torenia crustacea</i>	Herb		
	Symplocaceae	<i>Symplocos paucistaminea</i>	Tree		
		<i>Symplocos puberula</i>	Tree		
	Verbenaceae	<i>Stachytarpheta jamaicensis*</i>	Shrub		
	Vitaceae	<i>Cissus hypoglauca</i>	Vine	AUS endemic	
		<i>Cissus penninervis</i>	Vine		
	Zingiberaceae	<i>Alpinia modesta</i>	Herb	NEQ endemic	
	Araceae	<i>Colocasia esculenta</i>	Herb		
		<i>Epipremnum pinnatum</i>	Vine		
		<i>Pothos longipes</i>	Vine		
		<i>Rhaphidophora petrieana</i>	Vine	NEQ endemic	
		Arecaceae	<i>Archontophoenix alexandrae</i>	Tree	QLD endemic
			<i>Calamus australis</i>	Vine	AUS endemic
			<i>Calamus moti</i>	Vine	AUS endemic
			<i>Hydriastele wendlandiana</i>	Tree	AUS endemic
			<i>Licuala ramsayi</i>	Tree	NEQ endemic
Asparagaceae		<i>Linospadix minor</i>	Shrub	QLD endemic	
	<i>Cordyline cannifolia</i>	Shrub	AUS endemic		
	<i>Eustrephus latifolius</i>	Vine			
	<i>Lomandra banksii</i>	Herb			

Costaceae	<i>Costus dubius*</i>	Herb	
Cyperaceae	<i>Cyperus sp.</i>	Herb	
	<i>Cyperus aromaticus</i>	Herb	
	<i>Cyperus haspan subsp. juncooides#</i>	Herb	
	<i>Cyperus polystachyos#</i>	Herb	
	<i>Fimbristylis depauperata</i>	Herb	
	<i>Fimbristylis littoralis#</i>	Herb	
	<i>Fimbristylis microcarya#</i>	Herb	
	<i>Fimbristylis pauciflora#</i>	Herb	
	<i>Fimbristylis sp.</i>	Herb	
	<i>Gahnia aspera</i>	Herb	
	<i>Gahnia sieberiana#</i>	Herb	
	<i>Hypolytrum nemorum</i>	Herb	
	<i>Rhynchospora corymbosa#</i>	Herb	
	<i>Scleria brownii</i>	Herb	
	<i>Scleria ciliaris</i>	Herb	
<i>Scleria sumatrensis#</i>	Herb		
Eriocaulaceae	<i>Eriocaulon willdenovianum#</i>	Herb	
Flagellariaceae	<i>Flagellaria indica</i>	Vine	
Hemerocallidaceae	<i>Dianella atraxis</i>	Herb	QLD endemic
	<i>Dianella bambusifolia</i>	Herb	
	<i>Geitonopleisium cymosum</i>	Vine	QLD endemic
Orchidaceae	<i>Cymbidium madidum</i>	Epiphyte	QLD endemic
Pandaneaceae	<i>Benstonea monticola</i>	Shrub	NEQ endemic
	<i>Freycinetia excelsa</i>	Vine	
	<i>Freycinetia scandens</i>	Vine	
	<i>Pandanus solmslaubachii</i>	Tree	
Phylidraceae	<i>Phylidrum lanuginosum#</i>	Herb	
Poaceae	<i>Axonopus compressus*</i>	Herb	
	<i>Cyrtococcum oxyphyllum</i>	Herb	
	<i>Dactyloctenium aegyptium*</i>	Herb	

		<i>Eragrostis unioides</i>	Herb	
		<i>Lophatherum gracile</i>	Herb	
		<i>Oplismenus mollis</i>	Herb	
		<i>Ottochloa gracillima</i>	Herb	AUS endemic
		<i>Paspalum mandiocanum*</i>	Herb	
		<i>Sacciolepis indica#</i>	Herb	
	Smilacaceae	<i>Smilax australis</i>	Vine	AUS endemic
		<i>Smilax glycyphylla</i>	Vine	AUS endemic
	Zingiberaceae	<i>Hornstedtia scottiana</i>	Herb	
Bryophyte-Bryophyta	Archidiaceae	<i>Archidium elatum</i>	n.a	
	Bryaceae	<i>Bryaceae sp.</i>	n.a	
	Calymperaceae	<i>Arthrocormus schimperi</i>	n.a	
		<i>Calymperes moluccense</i>	n.a	
		<i>Calymperes subintegrum</i>	n.a	
		<i>Leucophanes glaucum</i>	n.a	
		<i>Mitthyridium flavum</i>	n.a	
		<i>Mitthyridium repens</i>	n.a	
		<i>Syrrhopodon albobaginatulus</i>	n.a	
		<i>Syrrhopodon armatus</i>	n.a	
		<i>Syrrhopodon sp</i>	n.a	
	Fissidentaceae	<i>Fissidens linearis var. obscurirete</i>	n.a	
		<i>Fissidens pellucidus</i>	n.a	
		<i>Fissidens tenellus</i>	n.a	
	Hypnaceae	<i>Isopterygium albescens</i>	n.a	
	Leucobryaceae	<i>Leucobryum aduncum</i>	n.a	
		<i>Leucobryum sanctum</i>	n.a	
	Rhizogoniaceae	<i>Pyrrhobryum paramattense</i>	n.a	
	Sematophyllaceae	<i>Radulina borbonica</i>	n.a	
Bryophyte-Hepaticae	Aneuraceae	<i>Riccardia sp.</i>	n.a	
	Frullaniaceae	<i>Frullania hypoleuca</i>	n.a	
		<i>Frullania rostrata</i>	n.a	

	Jungermanniaceae	<i>Jungermanniaceae sp.</i>	n.a	
	Lejeuneaceae	<i>Cheilolejeunea serpentina</i>	n.a	
		<i>Cheilolejeunea sp. 1</i>	n.a	
		<i>Cheilolejeunea sp. 2</i>	n.a	
		<i>Cheilolejeunea vittata</i>	n.a	
		<i>Cololejeunea sp.</i>	n.a	
		<i>Colura simplicior</i>	n.a	
		<i>Colura superba</i>	n.a	
		<i>Drepanolejeunea angustifolia</i>	n.a	
		<i>Drepanolejeunea ternatensis</i>	n.a	
		<i>Drepanolejeunea sp.</i>	n.a	
		<i>Lejeunea apiculata</i>	n.a	
		<i>Lejeunea sp.</i>	n.a	
		<i>Leptolejeunea maculata</i>	n.a	
		<i>Lopholejeunea subfusca</i>	n.a	
		<i>Spruceanthus semirepandus</i>	n.a	
	Lepidoziaceae	<i>Telaranea tridactylis</i>	n.a	
		<i>Bazzania zonulata</i>	n.a	
Gymnosperm	Podocarpaceae	<i>Podocarpus grayae</i>	Tree	AUS endemic
	Zamiaceae	<i>Bowenia spectabilis</i>	Shrub	NEQ endemic
		<i>Lepidozamia hopei</i>	Tree	NEQ endemic
Pteridophyte	Blechnaceae	<i>Oceaniopteris cartilagineum</i>	Herb	AUS endemic
	Cyatheaceae	<i>Alsophila rebecca</i>	Tree	NEQ endemic
	Gleicheniaceae	<i>Dicranopteris linearis</i> #	Herb	
	Hymenophyllaceae	<i>Crepidomanes saxifragoides</i>	Epiphyte	
	Lindsaeaceae	<i>Lindsaea agatii</i>	Herb	
		<i>Lindsaea brachypoda</i>	Herb	AUS endemic
		<i>Lindsaea ensifolia</i>	Herb	
Nephrolepidaceae	<i>Nephrolepis acutifolia</i>	Epiphyte		
Polypodiaceae	<i>Goniophlebium percussum</i>	Epiphyte		
	<i>Platycterium hillii</i>	Epiphyte	AUS endemic (?)	

	<i>Pyrrrosia longifolia</i>	Epiphyte
Psilotaceae	<i>Psilotum complanatum</i>	Epiphyte
	<i>Psilotum nudum</i>	Epiphyte
Pteridaceae	<i>Haplopteris elongata</i>	Epiphyte
	<i>Taenitis pinnata</i>	Herb
Schizaeaceae	<i>Actinostachys digitata</i>	Herb
	<i>Lygodium reticulatum</i>	Vine
