

Appendix 1. Supplemental table of data used in this study.

Table A1.1. List of the observed species in the study area, Limahuli Valley (Hā'ena, Halele'a, Kaua'i). The list includes the corresponding species code used in data analysis, biogeographic status (endemic, indigenous, "Polynesian" = Polynesian introduction, "modern" = modern introduction), biocultural value (past and present), biocultural categories (past and present), and biocultural categories lost and gained between past and present.

Species	Species Code	Status	Biocultural Value Category (Ali'i era)	Biocultural Value Category (contemporary)	Biocultural Categories (Ali'i era)	Biocultural Categories (contemporary)	Lost categories (contemporary)	Gained categories (contemporary)
<i>Acacia koaia</i>	ACAKOA	endemic	5	3	a, b, d-h, n, p,	a, g, h	b, d-f, n, p	-
<i>Adenostemma viscosum</i>	ADEVIS	indigenous	2	2	a, b	a, b	-	-
<i>Adiantum hispidulum</i>	ADIHIS	modern	-	1	-	-	-	-
<i>Ageratina riparia</i>	AGERIP	modern	-	1	-	-	-	-
<i>Alectryon macrococcus</i>	ALEMAC	endemic	4	2	a-c, g, h, n	a	b, c, g, h, n	-
<i>Aleurites moluccana</i>	ALEMOL	Polynesian	6	6	a-h, l-o, r, t, u	a-h, l-o, r, t	u	-
<i>Alyxia stellata</i>	ALYTE	indigenous	5	4	a, b, d-f, m, n, s	a, d-f, m, n, s	b	-
<i>Arachis glabrata</i>	ARAGLA	modern	-	1	-	-	-	-
<i>Artocarpus altilis</i>	ARTALT	Polynesian	6	5	a-i, l, m, p, q, u	a, c-e, g-i, m, u	b, f, i, l, p, q	-
<i>Averrhoa carambola</i>	AVECAR	modern	-	2	-	c	-	c
<i>Bidens forbesii forbesii</i>	BIDFOR	endemic	3	3	a, b, n	a, b, n	-	-
<i>Blechnum appendiculatum</i>	BLEAPP	modern	-	1	-	-	-	-
<i>Canavalia napaliensis</i>	CANNAP	endemic	3	2	a, b, n	a, n	b	-
<i>Carex wahuensis</i>	CARWAH	endemic	2	1	a	-	a	-
<i>Charpentiera densiflora</i>	CHADEN	endemic	4	3	a, b, d-f	a, d,e	b, f	-
<i>Chrysodracon aurea</i>	CHRHAL	endemic	3	2	a, b, d, n	a, d	b, n	-
<i>Cibotium glaucum</i>	CIBGLA	endemic	2	2	a, n	a, n	-	-
<i>Citrus x sinensis</i>	CITSIN	modern	-	2	-	b, c	-	b, c
<i>Clidemia hirta</i>	CLIHIR	modern	-	1	-	-	-	-
<i>Clusea rosea</i>	CLUROS	modern	-	2	-	m	-	m
<i>Cocos nucifera</i>	COCNUC	indigenous	6	6	a-p, s, t	a, c, h-j, l-p, t	b, d-g, k, s	-
<i>Coffea arabica</i>	COFARA	modern	-	3	-	a, c, g	-	a, c, g
<i>Cordyline fruticosa</i>	CORFRU	Polynesian	5	5	a-d, i, k-o	a, b, d, i, k-n	c, o	-
<i>Crepidomanes minutum</i>	CREMIN	indigenous	2	2	a	a	-	-
<i>Cyanea hardyi</i>	CYAHAR	endemic	2	2	a	a	-	-
<i>Cyathea cooperi</i>	CYACOO	modern	-	1	-	-	-	-
<i>Cyclosorus dentatus</i> (Forssk.) Ching	CYCDEN	modern	-	1	-	-	-	-
<i>Cyclosorus interruptus</i>	CYCINT	indigenous	2	2	a, n	a	n	-
<i>Cyclosorus parasiticus</i> (L.) Farw.	CYCPAR	modern	-	1	-	-	-	-

<i>Cyperus javanicus</i>	CYPJAV	indigenous	4	2	a, b, d, i, j, n	a, b	d, i, j, n	-
<i>Cyrtandra confertiflora</i> (Wawra) C.B. Clarke	CYRCON	endemic	2	2	a, b	a	b	-
<i>Cyrtandra wainihaensis</i> H. Lév.	CYRWAI	endemic	2	2	a, b	a	b	-
<i>Delissea rhytidosperra</i>	DELRHY	endemic	2	2	a, b	a	b	-
<i>Deparia marginalis</i>	DEPMAR	endemic	2	1	a	-	a	-
<i>Dianella sandwicensis</i>	DIASAN	indigenous	3	3	a, b, i, r	a, i, r	b	-
<i>Dimocarpus longan</i>	DIMLON	modern	-	2	-	c	-	c
<i>Dioscorea bulbifera</i>	DIOBUL	Polynesian	3	2	a-c	a	b, c	-
<i>Dioscorea pentaphylla</i>	DIOPEN	Polynesian	3	2	a-c	a	b, c	-
<i>Diospyros sandwicensis</i>	DIOSAN	endemic	5	4	a-h	a, d-g	b, c, h	-
<i>Diplazium esculentum</i>	DIPESC	modern	-	2	-	c	-	c
<i>Dodonaea viscosa</i>	DODVIS	indigenous	5	4	a, b, d-h, m, n	a, b, e-g, n	d, h, m	-
<i>Dryopteris</i> sp.	DRYOPT	endemic	2	1	a	-	a	-
<i>Elephantopus mollis</i>	ELEMOL	modern	-	1	-	-	-	-
<i>Eragrostis variabilis</i>	ERAVAR	endemic	4	2	a, b, f, k, n	a	b, f, k, n	-
<i>Euphorbia haeleleana</i>	EUPHAE	endemic	2	1	a, b	-	a, b	-
<i>Freycinetia arborea</i>	FREARB	indigenous	5	4	a, b, d-f, i, j, l-n,	a, d, f, j, l-n	b, e, i	-
<i>Gahnia beecheyi</i>	GAHBEE	endemic	4	2	a, b, d, m, n	a	b, d, m, n	-
<i>Gardenia remyi</i>	GARREM	endemic	4	2	a, b, g, n, r	a, n	b, g, r	-
<i>Heteropogon contortus</i>	HETCON	indigenous	3	2	a, k, m, n	a, k	m, n	-
<i>Hibiscus kokio</i> subsp.	HIBKOKKAU	endemic	4	2	a, b, m, n, r	a, n	b, m, r	-
<i>Hibiscus waimeae</i> subsp. <i>hannerae</i>	HIBWAIHAN	endemic	4	3	a, b, m-o, r	a, n, o	b, m, r	-
<i>Kadua acuminata</i>	KADACU	endemic	2	2	a, b	a	b	-
<i>Kalanchoe pinnata</i>	KALPIN	modern	-	3	-	a, b, o	-	a, b, o
<i>Lantana camara</i>	LANCAM	modern	-	1	-	-	-	-
<i>Lepisorus thunbergianus</i>	LEPTHU	indigenous	2	2	a	a	-	-
<i>Lipochaeta connata</i>	LIPCON	endemic	3	2	a, b, n	a, b	n	-
<i>Lobelia niihauensis</i>	LOBNII	endemic	3	2	a, f, m	a	f, m	-
<i>Metrosideros polymorpha</i>	METPOL	endemic	6	5	a, b, d-h, l-o	a, d-h, m, n	b, l, o	-
<i>Microlepia strigosa</i>	MICSTR	indigenous	4	4	a, b, d-f, m, n	a, b, d-f, m, n	-	-
<i>Microsorium grossum</i>	MICGRO	modern	-	4	-	a, b, e, f, m, n, s	-	a, b, e, f, m, n, s
<i>Musa</i> spp.	MUSSP	Polynesian	6	4	a-f, l-o, q, r	a-e, r	f, l-o, q	-
<i>Nephelium lappaceum</i>	NEPLAP	modern	-	2	-	c	-	c
<i>Nephrolepis cordifolia</i>	NEPCOR	indigenous	4	4	a-d, f, h, m, n	a, d, f, m, n	b, c, h	-
<i>Nephrolepis exaltata</i>	NEPEXA	endemic	4	4	a-d, f, h, m, n	a, d, f, m, n	b, c, h	-
<i>Nestegis sandwicensis</i>	NESSAN	endemic	4	2	a, b, f-h,	a, g	b, f, h	-

<i>Nototrichium sandwicense</i>	NOTSAN	endemic	2	2	a, b	a	b	-
<i>Ochrosia kauaiensis</i> St. John	OCHKAU	endemic	3	2	a, b, r	a	b, r	-
<i>Ophioderma pendulum</i> subsp. <i>Falcatum</i> (C. Presl) R. T. Clausen	OPHPENFAL	indigenous	2	2	a	a	-	-
<i>Opismenus hirtellus</i>	OPLHIR	modern	-	1	-	-	-	-
<i>Oxalis</i> sp.	OXASP.	modern	-	1	-	-	-	-
<i>Pandanus tectorius</i>	PANTEC	indigenous	6	5	a-e, f, h, j, k, n, s	a-c, f, h, j, k, n, s	d, e	-
<i>Paspalum conjugatum</i>	PASCON	modern	-	1	-	-	-	-
<i>Paspalum urvillei</i>	PASURV	modern	-	1	-	-	-	-
<i>Peperomia blanda</i>	PEPBLA	indigenous	2	2	a, b	a, b	-	-
<i>Persea americana</i>	PERAME	modern	-	2	-	c	-	c
<i>Phlebodium aureum</i>	PHLAUR	modern	-	2	-	a	-	a
<i>Phyllostachys</i> sp.	PHY SP.	Polynesian	6	4	a-g, j, o, p	a, c-g, p	b, j, o	-
<i>Physalis peruviana</i>	PHYPER	modern	-	2	-	a, c	-	a, c
<i>Piper methysticum</i>	PIPMET	Polynesian	4	4	a-f, l	a-f	l	-
<i>Pipturus kauaiensis</i>	PIPKAU	endemic	4	2	a-c, i, q	a, b	c, i, q	-
<i>Pisonia umbellifera</i>	PISWAG	endemic	2	2	a, u	a, u	-	-
<i>Pittosporum napaliensis</i>	PITNAP	endemic	2	2	a, b	a	b	-
<i>Pluchea carolinensis</i>	PLUCAR	modern	-	1	-	-	-	-
<i>Plumbago zeylanica</i>	PLUZEY	indigenous	3	2	a, b, r	a	b, r	-
<i>Polyscias racemosa</i>	POLRAC	endemic	2	1	a	-	a	-
<i>Pritchardia</i> spp.	PRISPP	endemic	5	3	a-e, j, k, m-o	a, c, e, k	b, d, j, m-o	-
<i>Psidium cattleianum</i>	PSICAT	modern	-	3	-	a-c, h	-	a-c, h
<i>Psidium guajava</i>	PSIGUA	modern	-	4	-	a-c, g, h	-	a-c, g, h
<i>Psilotum nudum</i>	PSINUD	indigenous	3	2	a, b, n	a, n	b	-
<i>Psychotria mariniana</i>	PSYMAR	endemic	3	2	a, b, o, h	a, o	b, h	-
<i>Psydrax odorata</i>	PSYODO	indigenous	4	4	a, b, e, g, h, n	a, e, g, h, n	b	-
<i>Pteralyxia kauaiensis</i>	PTEKAU	endemic	2	2	a, b	a	b	-
<i>Rauvolfia sandwicensis</i>	RAUSAN	endemic	3	2	a, b, h	a	b, h	-
<i>Rubus rosifolius</i>	RUBROS	modern	-	2	-	a, c	-	a, c
<i>Sadleria cyatheodites</i>	SADCYA	endemic	3	2	a, e, f	a	e, f	-
<i>Santalum pyrularium</i>	SANFRE	endemic	4	2	a, b, e-g, n, s	a	b, e-g, n, s	-
<i>Scaevola gaudichaudiana</i>	SCAGAU	endemic	3	2	a, b, e, n	a, e	b, n	-
<i>Scaevola procera</i>	SCAPRO	endemic	3	2	a, b, e, n	a, e	b, n	-
<i>Schefflera actinophylla</i>	SCHACT	modern	-	2	-	a, n	-	a, n
<i>Schiedea stellarioides</i>	SCHSTE	endemic	2	2	a	a	-	-
<i>Sida fallax</i>	SIDFAL	indigenous	5	3	a, b, f, n, r	a, b, f, n	r	-

<i>Smilax melastomifolia</i>	SMIMEL	endemic	2	2	a, b	a	b	-
<i>Sphenomeris chinensis</i>	SPHCHI	indigenous	4	2	a, b, d, f, m, n, r	a, n	b, d, f, m, r	-
<i>Syzygium malaccense</i>	SYZMAL	Polynesian	4	2	a-c, g, h	a, c	b, g, h	-
<i>Theobroma cacao</i>	THECAC	modern	-	2	-	c	-	c
<i>Touchardia latifolia</i>	TOULAT	endemic	3	2	a, b, i	a, i	b	-
<i>Vandenboschia cyrtotheca</i> (Hillebr.) Copel.	VANCYR	endemic	2	2	a	a	-	-
<i>Wikstroemia oahuensis</i>	WIKOAH	endemic	3	2	a, b, d, l	a	b, d, l	-
<i>Zingiber zerumbet</i>	ZINZER	Polynesian	4	3	a-c, m, n, s	a, b, n, s	c, m	-